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VOLUME I
General Industrial Statistics

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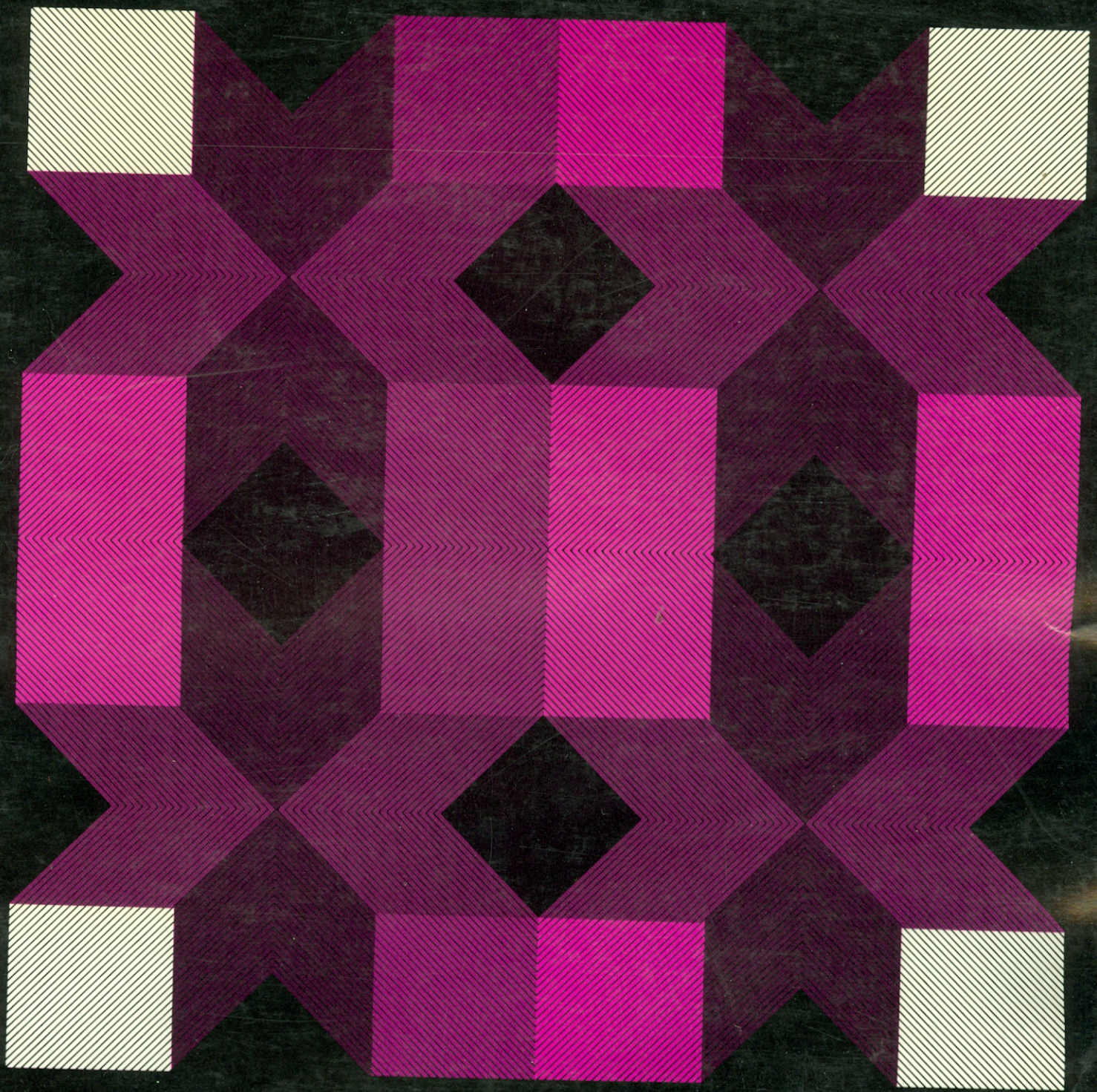

Department of Economic and Social Development, Statistical Division

Industrial Statistics Yearbook 1990

Volume I
General Industrial Statistics

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NOTE

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In some tables, the designation "developed" and "developing" economies is intended for statistical convenience and does not necessarily express a judgement about the stage reached by a particular country or area in the development process.

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CONTENTS

Page

Preface v
Explanatory notes vi

PART ONE: NATIONAL DATA ON INDUSTRIAL ACTIVITY AND STRUCTURE

I. Introduction 3
II. Country tables 9

Page

Afghanistan 11
Albania 15
Argentina 18
Australia 21
Austria 29
Bahamas 38
Bangladesh 41
Barbados 50
Belize 57
Bolivia 61
Botswana 67
Bulgaria 72
Burkina Faso 80
Cameroon 83
Canada 88
Chile 98
China 106
Colombia 109
Congo 116
Costa Rica 122
Cuba 126
Cyprus 132
Czechoslovakia 141
Denmark 150
Ecuador 159
Egypt 166
Equatorial Guinea 173
Ethiopia 178
Fiji 185
Finland 192
France 201
Germany 207
Greece 225
Guatemala 234
Haiti 241
Honduras 244
Hong Kong 248
Hungary 255
Iceland 264
India 268
Indonesia 276
Iran (Islamic Republic of) 283
Ireland 288
Israel 296
Italy 305
Jamaica 313
Japan 315
Jordan 323
Kenya 330

Page

Korea, Republic of 335
Kuwait 344
Lesotho 351
Luxembourg 353
Macau 361
Malaysia 369
Malta 377
Mauritius 385
Mexico 389
Mongolia 396
Morocco 401
Mozambique 406
Nepal 409
Netherlands 416
Netherlands Antilles 423
New Zealand 427
Norway 433
Oman 442
Pakistan 446
Panama 450
Peru 456
Philippines 463
Poland 471
Portugal 479
Puerto Rico 488
Romania 493
Senegal 501
Singapore 508
South Africa 514
Spain 519
Sri Lanka 528
Suriname 533
Swaziland 536
Sweden 540
Switzerland 549
Syrian Arab Republic 552
Tonga 556
Trinidad and Tobago 560
Turkey 565
Uganda 574
Union of Soviet Socialist Republics 577
United Kingdom 582
United States of America 592
Uruguay 600
Venezuela 606
Yemen 614
Yugoslavia 617
Zambia 625
Zimbabwe 628

CONTENTS (continued)

PART TWO: INTERNATIONAL INDICES OF INDUSTRIAL PRODUCTION AND EMPLOYMENT

Page

I. Introduction 637
II. Tables 639

A. Index numbers of industrial production

World 641
World, excluding Eastern Europe and the former USSR 642
Developed countries 643
Developing countries 644
North America 645
Caribbean, Central and South America 646
Asia 647
Asia, excluding Israel and Japan 648
Eastern Europe and the former USSR 649
Western Europe 650
European Economic Community 651
European Free Trade Association 652
Oceania 653

B. Index numbers of industrial employment

World 654
World, excluding Eastern Europe and the former USSR 655
Developed countries 656
Developing countries 657
North America 658
Caribbean, Central and South America 659
Asia 660
Asia, excluding Israel and Japan 661
Eastern Europe and the former USSR 662
Western Europe 663
European Economic Community 664
European Free Trade Association 665
Oceania 666

PREFACE

This is the twenty-fourth in a series of annual compilations of statistics on world industry designed to meet both the general demand for information of this kind and the special requirements of the United Nations and its specialized agencies, particularly the United Nations Industrial Development Organization (UNIDO), and other related international bodies. The first seven editions in this series were published under the title *The Growth of World Industry* and, from the 1974 to 1981 editions, under the title *Yearbook of Industrial Statistics.*

The *Industrial Statistics Yearbook* consists of two volumes, volume I: *General Industrial Statistics* and volume II: *Commodity Production Statistics*. Volume I is divided into two parts; part one contains basic data on industrial activity and structure for individual countries or areas in the form of separate chapters and part two contains index numbers of industrial production and employment for the world and for selected regions and economic groupings. Part one is based primarily on replies to the annual United Nations General Industrial Statistics Questionnaire. Part two is compiled by the Statistical Division of the United Nations from the data provided in response to the quarterly United Nations Index of Industrial Production Questionnaire.

This edition of volume I covers, in part one, the five-year period from 1986 to 1990, except for the production indices for which a ten-year period from 1981 to 1990 is covered. Efforts are continually being made to increase the representation of countries and the number of items of data, particularly in the case of the developing countries.

The co-operation of national statistical offices in the provision of the information included in this volume is gratefully acknowledged.

Volume II contains detailed quantity data on world production of industrial commodities for the period 1981-1990. This information supplements at the commodity level the information presented on an industry basis in the present volume and provides a more specific indication of the relative importance of each country in the total world production of selected commodities. In volume II, a standard list of 556 commodities (594 statistical series) has been adopted for the publication and production data for most of these commodities are published for about 200 countries or areas.

Data shown in both volumes I and II and earlier issues are available on computer tapes as follows:

Volume I

-- A file covering 1967-1990 at a cost of $US 390, accompanied by a separate footnote file;

-- A file, without footnotes, covering 1953-1966 at a cost of $US 200.

Volume II

-- A file covering 1970-1990 at a cost of $US 390, accompanied by a separate footnote file;

-- A file, covering 1958 -1969 at a cost of $US 200.

In addition, the contents of the publication The 1983 World Programme of Industrial Statistics: Principal Indicators and Related Data is available on computer diskettes.

Requests for further information on these machine readable products should be addressed to the Director, Statistical Division, United Nations, New York, N.Y. 10017, USA, Facsimile: (212)-963-4120.

EXPLANATORY NOTES

Explanation of symbols

The following symbols have been used in the tables:

-	Magnitude nil or less than half of the unit of measurement employed
...	Data not available or not separately reported
*	Provisional figure
.	Category not applicable

Rounding of figures

The totals shown may not equal the sum of the parts, due to rounding.

Part One

NATIONAL DATA ON INDUSTRIAL ACTIVITY AND STRUCTURE

I. INTRODUCTION

The information presented in the tables is primarily derived from replies to the 1990 edition of the United Nations General Industrial Statistics Questionnaire distributed in 1991. The index numbers of industrial production are obtained from replies to the Quarterly United Nations Index of Industrial Production Questionnaire. Details on the source and coverage of the data are provided in the introductory note to each country chapter.

The data shown have been compiled bearing in mind the requirements of international comparability and the standards for this work promulgated by the United Nations. The concepts and definitions of the items of data are drawn from the *International Recommendations for Industrial Statistics* 1/ and the classification by industry from the *International Standard Industrial Classification of All Economic Activities (ISIC)*. 2/ The description of the methodology and definitions of the index numbers of industrial production appear in the *1977 Supplement to the Statistical Yearbook* and the *Monthly Bulletin of Statistics*. 3/ Deviations from the above standards, where known, are mentioned in the introductory note to each country chapter or in the footnotes to each table.

Presentation of data

The publication contains, in the country chapters, data for the following indicators of industrial activity:

A Number of establishments or enterprises

B Number of persons engaged

C Number of employees

D Wages and salaries of employees

E Supplements to wages and salaries

F Number of operatives

G Wages and salaries of operatives

H Hours or days worked by operatives

I Quantity of electricity consumed

J Output

K Value added

L Gross fixed capital formation - Total

M Gross fixed capital formation - Machinery and equipment

N Value of stocks - Total

O Index numbers of industrial production

Data for a few more items are also compiled, although they have been omitted from the publication, principally owing to the limitations of the publications programme. They are available on computer tapes of the United Nations General Industrial Statistics Data Base. Those items are:

P Cost of goods and industrial services consumed

Q Cost of materials and supplies consumed

R Cost of purchased fuels and electricity consumed

S Value of stocks - Materials, fuels and supplies

T Value of stocks - Work in progress

U Value of stocks - Finished goods

1/ Statistical Papers, Series M, No.48/Rev.1 (United Nations publication, Sales No. E.83.XVII.8).
2/ Statistical Papers, Series M, No.4/Rev.2 (United Nations publication, Sales No. E.68.XVII.8).
3/ United Nations publication, Sales No. E.78.XVII.10.

Industrial classification

The classification of industrial activity set out in the tables follows the three-digit or major group level of the present version of the ISIC, supplemented by selected four-digit groups. Aggregates at the one-digit or major division level and for industry as a whole are included. Where information was not provided in this form, the estimates are shown in the most applicable category.

Reference unit

For most countries represented, the data shown relate to the activity of "establishments" in the specified industries rather than any other type of industrial unit. In a few cases, however, the concepts of "kind-of-activity unit", "local unit" or "enterprise" are found. An "establishment" is ideally a unit which engages, under a single ownership or control, in one, or predominantly one, kind of activity at a single location; for example, an individual mine, workshop, factory or generating station. A "kind-of-activity unit" differs from the establishment in that there is no restriction in respect of the geographical area in which a given kind of activity is carried on by a single legal entity. A "local unit", on the other hand, comprises all activities carried on under a single ownership or control at a single location and differs from the establishment-type of unit in that there is no restriction on the range of these activities. An "enterprise" is a legal entity possessing the right to conduct business in its own name; for example, to enter into contracts, own property, incur liability for debts, and establish bank accounts. In the Eastern European countries and the former USSR, the reference unit is normally the enterprise and this is usually defined as the unit having a single administration with the right to conclude contracts, an independent production plan, an independent current bank account and a self-contained system of bookkeeping with independent balance sheets and profit-and-loss statements. Specific information on the character of the units covered in the tables for each country is set out in the introductory note to each chapter.

Reference period

The statistics in the tables relate, in general, to the calendar year. It should be noted, however, that in many cases where the basic reference period of the industrial inquiry is the calendar year, returns covering proximate fiscal years may be accepted for reporting purposes and the data for these years incorporated in the calendar-year aggregates without adjustment. In a few countries, fiscal years normally used for public accounting purposes have been adopted as the basic reference periods. In the case of fiscal-year coverage, the year indicated in the tables refers to the calendar year in which the major part of the fiscal year falls. In the case of fiscal years from 1 July to 30 June, the year referred to is normally the one in which the fiscal year ends. In the text, an oblique stroke is used to connect the two years which the fiscal period overlaps.

Concepts and definitions of the items

The United Nations standards which have been applied in preparing the tables are set out below. All values are in national currencies and are at current prices unless otherwise indicated.

Number of persons engaged, number of employees and number of operatives

The number of persons engaged is defined as the total number of persons who worked in or for the establishment during the reference year. However, homeworkers are excluded. The concept covers working proprietors, active business partners and unpaid family workers as well as employees. The figures reported refer normally to the average number of persons engaged during the reference year, obtained as the sum of the "average number of employees" during the year and the total number of other persons engaged measured for a single period of the year. The category "employees" is intended to include all persons engaged other than working proprietors, active business partners and unpaid family workers.

The category "operatives" refers to all employees directly engaged in production or the related activities of the establishment, including any clerical or working supervisory personnel whose function is to record or expedite any step in the production process. Employees of a similar type engaged in activities ancillary to the main activity of the establishment and those engaged in truck driving, repair and maintenance and so on are also considered to be operatives.

Wages and salaries

The estimates of wages and salaries include all payments in cash or in kind made to "employees" or "operatives", as the case may be, during the reference year in relation to work done for the establishment. The payments include: (a) direct wages and salaries; (b) remuneration for time not worked; (c) bonuses and gratuities; (d) housing allowances and family allowances paid directly by the employer; and (e) payments in kind. Excluded are employers' contributions in respect of their employees paid to social security, pension and insurance schemes, as well as the benefits received by employees under these schemes and severance and termination pay.

Supplements to wages and salaries

This item covers all payments made by the employer on behalf of the employees which are normally considered in national accounting practice to form part of compensation of employees, but not of wages and salaries. Examples are: (a) statutory social security contributions; (b) collectively agreed, contractual and non-obligatory contributions to private pension and insurance schemes; (c) direct payments to employees in respect of absence from work owing to maternity, sickness or employment injury, to compensate for loss of earnings; other direct payments to employees comparable to social security benefits; (d) cost of medical care and health services provided by outside organizations; and (e) severance and termination pay. The sum of this item and "wages and salaries" equals total compensation of employees as defined for national accounting purposes.

Hours or days worked by operatives

Hours worked by operatives refer to the total number of hours actually spent by operatives at work, including waiting time. Overtime is included and calculated in terms of actual hours spent at work and not in terms of time paid for. Since the concept refers to hours worked rather than hours paid for, time spent on vacation and on casual or sick leave are excluded.

Days worked by operatives refer to the total number of days actually spent at work. Except for the difference in the unit of measurement, the concept is the same as that for hours worked.

Quantity of electricity consumed

The quantity of electricity consumed is defined as the sum of the quantity of electricity purchased and generated less the quantity sold to others.

Output

The measure of output normally used in the tables is the census concept which covers only activities of an industrial nature. The value of census output in the case of estimates compiled on a production basis comprises: (a) the value of all products of the establishment; (b) the net change between the beginning and the end of the reference period in the value of work in progress and stocks of goods to be shipped in the same condition as received; (c) the value of industrial work done or industrial services rendered to others; (d) the value of goods shipped in the same condition as received less the amount paid for these goods; and (e) the value of fixed assets produced during the period by the unit for its own use. In the case of estimates compiled on a shipment basis, the net change between the beginning and the end of the reference period in the value of stocks of finished goods is also included. Gross output is equivalent to census output plus the revenue from activities of a non-industrial nature. Valuation may be in factor values, excluding all indirect taxes falling on production and including all current subsidies received in support of production activity, or in producers' prices, including all indirect taxes and excluding all subsidies.

Value added

The measure of value added normally used in the tables is the census concept, which is

defined as the value of census output less the value of census input, which covers: (a) value of materials and supplies for production (including cost of all fuel and purchased electricity); and (b) cost of industrial services received (mainly payments for contract and commission work and repair and maintenance work). If input estimates are compiled on a "received" rather than on a "consumed" basis, the result is adjusted for the net change between the beginning and the end of the period in the value of stocks of materials, fuel and other supplies.

Total value added is the national accounting concept. It is ideally represented by the contribution of the establishments in each branch of activity to the gross domestic product. For the measure of total value added, the cost of non-industrial services is deducted from and the receipts for non-industrial services are added to census value added. The estimates, whether in terms of census value added or total value added, are gross of depreciation and other provisions for capital consumption, unless otherwise stated. The valuation may be in factor values or in producers' prices, depending on the treatment of indirect taxes and subsidies.

Gross fixed capital formation

The estimates refer to the value of purchases and own-account construction of fixed assets during the reference year less the value of corresponding sales. The fixed assets covered are those, whether new or used, with a productive life of one year or more which are intended for the use of the establishment, including fixed assets made by the establishment's own labour force for its own use. Major additions, alterations and improvements to existing assets which extend their normal economic life or raise their productivity are also included.

New fixed assets include all those that have not been previously used in the country. Thus, newly imported fixed assets are considered new whether or not used before they were imported. Used fixed assets include all those that have been previously used within the country. Transactions in fixed assets include: (a) land; (b) buildings, other construction and land improvements; (c) transport equipment; and (d) machinery and other equipment. The data for machinery and other equipment" are separately shown in the tables, where available. This category covers industrial machinery; office machinery, equipment, furniture and furnishings; art objects; professional instruments and equipment; and any other machinery and equipment. Major alterations and improvements of these existing types of machinery and equipment are included.

Assets acquired from others are valued at purchasers' prices, which cover all costs directly connected with the acquisition and installation of the items for use. In principle, assets produced on own account are also valued in this manner. However, it may frequently be necessary to value such own-account production at explicit cost, including any imputations that may be required in respect of the employed own-account labour. Assets produced by one establishment of a multi-establishment enterprise for the use of another establishment of the same enterprise should be valued by the receiving establishment as though purchased from outside the enterprise. Sales of assets should be valued at the actual amounts realized rather than at book values.

Value of stocks

The estimates comprise the value of all stocks owned by the parent enterprise and held by, or under the control ofthe reporting establishment, either at the establishment itself or elsewhere at both the beginning and end of each reference year. The components are: materials, fuels and supplies; work in progress; finished goods and goods to be shipped in the same condition as received. In principle, stocks of materials are valued at current replacement cost; an imputed valuation of the work done, including an imputed margin for overhead costs and profits, is used for work in progress; stocks of finished goods are valued in terms of prices at which similar goods have been shipped; and stocks of goods to be shipped in the same condition as received are valued in the same manner as the finished products manufactured by the establishment. In practice, however, the book values are frequently used.

Index numbers of industrial production

The indices in the tables are compiled from national indices which are calculated by use of

the Laspeyres formula. The comparison base year is 1980. However, if different base years are used in any countries, the national indices are converted to the 1980 base year.

Country nomenclature

China - Data relating to the People's Republic of China generally include those for Taiwan Province of China in the field of statistics relating to population, area, natural resources, natural conditions, such as climate, etc. In other fields of statistics, they do not include Taiwan Province unless otherwise stated. Therefore, in this publication, the data published under the heading "China" exclude those for Taiwan Province.

Germany - In the present issue of the *Yearbook*, all data for Germany pertain to 1990 or earlier and are shown separately for the Federal Republic of Germany, as defined prior to 3 October 1990, and for the former German Democratic Republic.

USSR - The Union of Soviet Socialist Republics ceased to exist as of 24 December 1991. In the present publication, all data for the USSR pertain to 1989 or earlier.

Yemen - On 22 May 1990, Democratic Yemen and Yemen merged to form a single State. Since that date, they have been represented as one Member with the name Yemen.

II. COUNTRY TABLES

AFGHANISTAN

The information in the tables is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Central Statistics Office, Kabul. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates are derived from the monthly survey conducted by the statistical office mentioned above. All registered establishments are covered. The estimates in the tables are based on the national data which are available only by broad groupings of industries. They have been arranged by the national statistical authorities to represent appropriate ISIC categories as far as details permit.

The number of establishments is as of 21 March of the year indicated. Other estimates refer to the fiscal year beginning 21 March of the year indicated.

Wages and salaries represent all payments made for work done by all persons included in the count of employees, including fringe benefits. The value of output is the value of sales of all commodities.

Related national publications:

Statistical Information (annual); Statistical Research (quarterly), both published by the Central Statistics Office, Kabul.

AFGHANISTAN

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	2	2	2	...	...	2847	2890	2903	...	...	210
220	Petroleum and gas	2	2	2	...	...	4541	5760	5794	...	...	220
230	Metal ore mining	-	-	-	...	...	-	-	-	...	...	230
290	Other mining	6	10	11	...	...	793	502	509	...	...	290
2	Mining, quarrying	10	14	15	...	...	8181	9152	9206	...	...	2
311/2	Food products	27	44	43	...	...	6273	6846	6583	...	...	311/2
313	Beverages	3	4	5	...	...	379	394	412	...	...	313
314	Tobacco	-	-	-	...	...	-	-	-	...	...	314
321	Textiles	59	71	72	...	...	12579	12814	12229	...	...	321
3211	Spinning,weaving etc.	-	-	-	...	...	-	-	-	...	...	3211
322	Wearing apparel	5	9	8	...	...	38	111	95	...	...	322
323	Leather and products	4	5	6	...	...	195	333	354	...	...	323
324	Footwear	9	14	14	...	...	1047	1382	1143	...	...	324
331	Wood products	[3	3	3]	...	...	[974	976	1052]	...	...	331
332	Furniture, fixtures				...	...				...	...	332
341	Paper and products	9	13	13	...	...	135	186	190	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	25	24	24	...	...	1881	1794	2236	...	...	342
351	Industrial chemicals	1	1	1	...	...	2206	2159	2276	...	...	351
3511	Basic excl fertilizers	1	1	1	...	...	2206	2159	2276	...	...	3511
3513	Synthetic resins etc	-	-	-	. .	.	-	-	-	...	...	3513
352	Other chemical products	8	8	8	. .	.	3203	3353	..	..	. .	352
3522	Drugs and medicines	4	3	3	...	...	458	480	484	...	...	3522
353	Petroleum refineries	-	-	-	...	...	-	-	-	...	...	353
354	Petroleum,coal products. b/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	-	-	-	...	...	-	-	-	...	...	355
356	Plastic products n.e.c.	45	65	71	...	...	660	840	773	...	. .	356
361	Pottery,china etc	[		]	...	...	[		]	...	...	361
362	Glass and products b/	[2	2	2]	...	...	[982	814	1074]	...	...	362
369	Non-metal products n.e.c				...	. .				...	. .	369
371	Iron and steel	-	1	1	...	...	-	240	186	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products	-	-	-	...	...	-	-	-	...	. .	381
382	Machinery n.e.c.	2	2	2	...	...	10	9	9	...	...	382
3825	Office,computing etc.	2	2	2	...	...	10	9	9	...	...	3825
383	Electrical machinery	-	-	-	..	...	-	-	-	...	...	383
3832	Radio,television etc.	-	-	-	..	...	-	-	-	...	...	3832
384	Transport equipment	-	-	1	..	...	-	-	4	...	...	384
3841	Shipbuilding, repair	-	-	-	...	...	-	-	-	...	...	3841
3843	Motor vehicles	-	-	1	...	...	-	-	4	...	...	3843
385	Professional goods	-	-	-	...	...	-	-	-	...	...	385
390	Other industries	131	123	149	...	...	...	10662	9929	...	...	390
3	Manufacturing	333	389	423	...	...	30562 c/	42913	38645 c/	...	...	3
410	Electricity,gas,steam	48	55	60	...	...	3812	3698	3950	...	...	410
4101	Electricity	48	55	60	...	...	3812	3698	3950	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc d/	48	55	60	...	...	3812	3698	3950	...	...	4
2-4	All industry d/	391	458	498	...	...	50098	55763	54582	...	...	2-4

a/ As at 21 March of the year indicated.
b/ Major group 354 is included in 361 to 369 combined.
c/ Refers to sum of available data.
d/ Excluding water works and supply.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES (NUMBER)					4. WAGES AND SALARIES OF EMPLOYEES (MILLION AFGHANIS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	2663	2715	2795	...	...	176.5	202.3	208.8	...	...	210
220	Petroleum and gas	3863	5134	5204	...	...	251.5	343.5	452.1	...	...	220
230	Metal ore mining	-	-	-	...	...	-	-	-	...	...	230
290	Other mining	718	444	440	...	...	42.5	27.2	27.8	...	...	290
2	Mining, quarrying	7244	8293	8439	...	...	470.5	573.0	688.7	...	...	2
311/2	Food products	5276	5883	5644	...	...	242.2	253.5	289.6	...	...	311/2
313	Beverages	280	294	306	...	...	25.6	2.6	28.5	...	...	313
314	Tobacco	-	-	-	...	...	-	-	-	...	...	314
321	Textiles	11716	12060	11497	...	...	494.4	806.8	823.2	...	...	321
3211	Spinning,weaving etc.	-	-	-	...	...	-	-	-	...	...	3211
322	Wearing apparel	34	102	86	...	...	1.2	4.8	10.1	...	...	322
323	Leather and products	179	305	319	...	...	13.3	32.9	36.4	...	...	323
324	Footwear	995	1299	1046	...	...	67.7	85.6	84.1	...	...	324
331	Wood products	[902	904	964]	...	...	[35.9	47.9	70.0]	...	...	331
332	Furniture, fixtures				...	...				...	...	332
341	Paper and products	121	151	160	...	...	7.6	9.3	9.6	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	1633	1550	1828	...	...	152.1	99.1	144.4	...	...	342
351	Industrial chemicals	1986	1963	1987	...	...	130.4	150.3	160.2	...	...	351
3511	Basic excl fertilizers	1986	1963	1987	...	...	130.4	150.3	160.2	...	...	3511
3513	Synthetic resins etc	-	-	-	...	...	-	-	-	...	...	3513
352	Other chemical products.	2187	2714	2954	...	...	141.0	167.4	200.6	...	...	352
3522	Drugs and medicines	381	395	394	...	...	43.2	44.5	54.0	...	...	3522
353	Petroleum refineries	-	-	-	...	...	-	-	-	...	...	353
354	Petroleum,coal products. a/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	-	-	-	...	...	-	-	-	...	...	355
356	Plastic products n.e.c.	580	726	669	...	...	36.8	52.5	54.9	...	...	356
361	Pottery,china etc	[			...	...	[			...	...	361
362	Glass and products a/	856	718	929	...	...	41.7	38.5	57.3	...	...	362
369	Non-metal products n.e.c			]	...	...			]	...	...	369
371	Iron and steel	-	212	151	...	...	-	21.4	21.5	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products	-	-	-	...	...	-	-	-	...	...	381
382	Machinery n.e.c.	8	4	4	...	...	0.7	0.6	0.6	...	...	382
3825	Office,computing etc.	8	4	4	...	...	0.7	0.6	0.6	...	...	3825
383	Electrical machinery	-	-	-	...	...	-	-	-	...	...	383
3832	Radio,television etc.	-	-	-	...	...	-	-	-	...	...	3832
384	Transport equipment	-	-	4	...	...	-	-	0.4	...	...	384
3841	Shipbuilding, repair	-	-	-	...	...	-	-	-	...	...	3841
3843	Motor vehicles	-	-	4	...	...	-	-	0.4	...	...	3843
385	Professional goods	-	-	-	...	...	-	-	-	...	...	385
390	Other industries	7669	10109	8679	...	...	739.7	802.3	740.4	...	...	390
3	Manufacturing	34422	38994	37227	...	...	2130.3	2598.9	2731.8	...	...	3
410	Electricity,gas,steam	3162	3038	3064	...	...	240.2	255.3	280.0	...	...	410
4101	Electricity	3162	3038	3064	...	...	240.2	255.3	280.0	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc b/	3162	3038	3064	...	...	240.2	255.3	280.0	...	...	4
2-4	All industry b/	44828	50325	48730	...	...	2841.0	3427.2	3700.5	...	...	2-4

a/ Major group 354 is included in 361 to 369 combined.

b/ Excluding water works and supply.

AFGHANISTAN

5. OUTPUT a/
(MILLION AFGHANIS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	259	262	227	...	...	210
220	Petroleum and gas	13265	1130	546	...	...	220
230	Metal ore mining	-	-	-	...	...	230
290	Other mining	85	73	166	...	...	290
2	Mining, quarrying .	13609	1465	939	...	...	2
311/2	Food products	4632	5117	4019	...	...	311/2
313	Beverages	428	487	420	...	...	313
314	Tobacco	-	-	-	...	...	314
321	Textiles	1788	2530	1760	...	...	321
3211	Spinning,weaving etc..	-	-	-	...	...	3211
322	Wearing apparel	10	12	80	...	...	322
323	Leather and products ...	359	790	2678	...	...	323
324	Footwear	670	719	999	...	...	324
331	Wood products	[99	193	110]	...	...	331
332	Furniture, fixtures				...	...	332
341	Paper and products	143	121	191	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	1085	862	1070	...	...	342
351	Industrial chemicals ...	882	864	1053	...	...	351
3511	Basic excl fertilizers	882	864	1053	...	...	3511
3513	Synthetic resins etc .	-	-	-	...	...	3513
352	Other chemical products.	897	1057	632	...	...	352
3522	Drugs and medicines ..	845	1000	588	...	...	3522
353	Petroleum refineries ...	-	-	-	...	...	353
354	Petroleum,coal products. b/	...	...	...	...	...	354
355	Rubber products	-	-	-	...	...	355
356	Plastic products n.e.c..	291	441	452	...	...	356
361	Pottery,china etc	[			...	...	361
362	Glass and products ..... b/	248	374	251]	...	...	362
369	Non-metal products n.e.c				...	...	369
371	Iron and steel	-	44	97	...	...	371
372	Non-ferrous metals	-	-	-	...	...	372
381	Metal products	-	-	-	...	...	381
382	Machinery n.e.c.	-	-	-	...	...	382
3825	Office,computing etc..	-	-	-	...	...	3825
383	Electrical machinery ...	-	-	-	...	...	383
3832	Radio,television etc..	-	-	-	...	...	3832
384	Transport equipment	-	-	18	...	...	384
3841	Shipbuilding, repair..	-	-	-	...	...	3841
3843	Motor vehicles	-	-	18	...	...	3843
385	Professional goods	-	-	-	...	...	385
390	Other industries	10668	9309	8157	...	...	390
3	Manufacturing	22200	22920	21987	...	...	3
410	Electricity,gas,steam ..	1342	2142	2033	...	...	410
4101	Electricity	1342	2142	2033	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc c/	1342	2142	2033	...	...	4
2-4	All industry c/	37151	26527	24959	...	...	2-4

a/ Value of sales only.
b/ Major group 354 is included in 361 to 369 combined.
c/ Excluding water works and supply.

ALBANIA

The information in the tables is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Directorate of Statistics, Ministry of Economy, Tirana.

The data cover the extractive and manufacturing industries and relate to the state sector only. The data are available in broad groupings of industries and are classified according to the present version of the ISIC. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations Standards except for the following:

Hours worked by operatives refer to annual average per worker;

Output refers to produciton data at 1986 prices.

ALBANIA

ISIC	INDUSTRY		1. AVERAGE NUMBER OF EMPLOYEES a/ (NUMBER)					2. HOURS WORKED BY OPERATIVES a/b/ (NUMBER)					ISIC
			1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining		...	...	8212	8906	9040	...	...	2071	2046	2002	210
220	Petroleum and gas		...	...	11328	11783	12459	...	...	2230	2183	2228	220
230	Metal ore mining		...	...	10087	10871	10526	...	...	...	...	...	230
290	Other mining		...	...	2517	2450	2490	...	...	...	...	...	290
2	Mining, quarrying		...	...	32144	34010	34515	...	...	...	...	...	2
311/2	Food products		...	...				...	...				311/2
313	Beverages		...	...	28488	33285	34191	...	...	2007	2051	2032	313
314	Tobacco		...	...				...	...				314
321	Textiles	c/	...	...	61728	65344	73034	...	...	2071	2046	1875	321
3211	Spinning,weaving etc.		...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	c/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products	c/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	c/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	d/	...	...	22696	23420	23666	...	...	2209	2104	1992	331
332	Furniture, fixtures	d/	...	...				...	...				332
341	Paper and products		...	...	2346	2426	2486	...	...	2106	2302	2208	341
3411	Pulp,paper etc.		...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing		...	...	2984	3105	3169	...	...	2012	2107	2060	342
351	Industrial chemicals	e/	...	...	8388	8507	8808	...	...	2175	2142	2078	351
3511	Basic excl fertilizers		...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc		...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	e/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines		...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries	e/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	e/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	e/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.	e/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc		...	...	3869	4151	4383	...	...	2148	2120	2124	361
362	Glass and products		...	...				...	...				362
369	Non-metal products n.e.c		...	...	23879	24252	24871	...	...	2153	2204	2123	369
371	Iron and steel		...	...	8378	8849	9393	...	...	2193	2104	2113	371
372	Non-ferrous metals		...	...				...	...				372
381	Metal products	f/	...	...	56860	59148	59164	...	...	2168	2154	2124	381
382	Machinery n.e.c.	f/	...	...				...	...				382
3825	Office,computing etc.		...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery	f/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc.		...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	f/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair.		...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles		...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	f/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	g/	...	...	8319	8672	8906	...	...	2235	2175	2990	390
3	Manufacturing	h/	...	...	227935	241159	252071	...	...	...	...	...	3
410	Electricity,gas,steam		...	...	5257	5231	5316	...	...	2331	2312	2327	410
4101	Electricity		...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply		...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc		...	...	...	...	...	...	...	...	...	...	4
2-4	All industry		...	...	h/ 265336	h/ 280400	h/ 291902	...	...	2133	2118	2084	2-4

a/ State sector only.
b/ Average yearly hours per worker.
c/ Major groups 322 to 324 are included in 321.
d/ Including timber industry.
e/ Major groups 352 to 356 are included in 351.
f/ Major groups 383 to 385 are included in 381 and 382 combined.
g/ ISIC 390 includes repairs and maintenance and all other industries not included elsewhere.
h/ Estimated as sum of the given parts.

ISIC	INDUSTRY	3. OUTPUT a/ (MILLION LEKS) 1986	1987	1988	1989	1990	4. VALUE ADDED (MILLION LEKS) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	263	263	274	276	261						210
220	Petroleum and gas	908 b/	870 b/	865 b/	876 b/	817 b/	602	528	535	548	453	220
230	Metal ore mining	1612 c/	1651 c/	1787 c/	1866 c/	1399 c/	362	414	463	431	220	230
290	Other mining	b/	b/	b/	b/	b/						290
2	Mining, quarrying .	2783	2784	2926	3018	2477	964	942	998	979	673	2
311/2	Food products											311/2
313	Beverages	3927	4096	4083	4272	4095	1310	1382	1468	1527	1060	313
314	Tobacco											314
321	Textiles ..... d/	2617	2581	2689	2969	3059	1249	1168	1240	1460	1469	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... d/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ... d/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear ..... d/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products ..... e/	758	729	708	742	662	341	358	347	380	290	331
332	Furniture, fixtures											332
341	Paper and products	161	153	144	165	152						341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	121	123	120	130	124	48	51	54	43	48	342
351	Industrial chemicals ... f/	889	937	965	1018	857	428	431	387	446	341	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products f			...	...	...	...	...	...	...	...	352
3522	Drugs and medicines .	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... f/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. f/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products ..... f/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. f/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	139	125	139	152	142	...	...	...	...	...	361
362	Glass and products						...	...	...	...	...	362
369	Non-metal products n.e.c	1023	1008	983	996	879	208	213	197	223	154	369
371	Iron and steel	c/	c/	c/	c/	c/						371
372	Non-ferrous metals	486	528	622	671	521	g/ 823	g/ 838	g/ 840	g/ 928	g/ 889	372
381	Metal products	h/	h/	h/	h/	h/						381
382	Machinery n.e.c.	2328	2394	2398	2489	2343						382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	h/	h/	h/	h/	h/	g/	g/	g/	g/	g/	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	h/	h/	h/	h/	h/	g/	g/	g/	g/	g/	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	h/	h/	h/	h/	h/	g/	g/	g/	g/	g/	385
390	Other industries ..... i/	189	244	260	267	272	303	360	273	307	177	390
3	Manufacturing ..... j/	12638	12919	13111	13872	13106	4710	4800	4806	5314	4429	3
410	Electricity,gas,steam ..	594	543	527	543	464	522	534	506	529	384	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry j/	16015	16246	16564	17433	16047	6196	6276	6310	6822	5486	2-4

a/ Value of production at 1986 prices.
b/ Major group 290 is included in 220.
c/ Iron and nickel mining are included in major groups 371 and 372 combined.
d/ Major groups 322 to 324 are included in 321.
e/ Including timber industry.
f/ Major groups 352 to 356 are included in 351.
g/ Major groups 383 to 385 are included in 371 to 382 combined.
h/ Major groups 383 to 385 are included in 381 and 382 combined.
i/ ISIC 390 includes repairs and maintenance and all other industries not included elsewhere.
j/ Estimated as sum of the given parts.

ARGENTINA

The information in the tables, except for the indices, is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Instituto Nacional de Estadística y Censos, Buenos Aires. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates are derived from information collected monthly by the Instituto Nacional de Estadística y Censos from establishments engaged in selected industries. The number of employees relates to annual averages, excluding homeworkers. Wages and salaries include family allowances, bonuses, bounties, payments for vacations and leave etc. The industries for which estimates are shown in the tables are as follows:

ISIC 311/312: vegetable oils, wheat mill products and by-products, rice, sugar; ISIC 313: beer; ISIC 314: cigarettes and cigars; ISIC 321: wool cleaning; ISIC 341: paper, paperboard, cardboard and pulp for paper; ISIC 351: industries enumerated under ISIC 3511 and ISIC 3513; ISIC 3511: tanning extracts, compressed and liquid gas, sulphuric acid; ISIC 3513 : cellulosic and non-cellulosic synthetic filament and fibres, plastic materials; ISIC 352: antibiotics; paints, lacquers and varnishes; matches; soap; ISIC 3522: antibiotics; ISIC 355: tyres and tubes; ISIC 356: plastic footwear; ISIC 369: cement, fibro cement products; ISIC 371: iron smelting, iron and steel pipes and tubes; ISIC 381: gas heating apparatus and cooking ranges; ISIC 382: sewing machines; refrigerators and washing machines; ISIC 383: electric light bulbs and tubes, television receiving sets, phonograph records; ISIC 3832: television receiving sets, phonograph records; ISIC 384: motor-vehicle bodies; motor vehicles, motorcycles, scooters, including agricultural tractors (ISIC 382).

Related national publications:

Indicadores Industriales Serie I (annual); Boletín Estadístico Trimestral, both published by the Instituto Nacional de Estadística y Censos, Buenos Aires.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. OUTPUT a/ (MILLION AUSTRALES)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	b/ 1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	237	215	145	150	140	1166	2209	14180	...	...	311/2
313	Beverages	8	8	9	8	8	135	313	1440	38846	235	313
314	Tobacco	31	...	...	...	...	912	...	...	...	...	314
321	Textiles	21	21	17	18	16	54	172	1206	18316	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	...	...	...	...	...	...	...	...	...	...	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	115	109	110	112	112	696	1558	6934	233686	4443	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	164	99	110	106	91	864	1454	7846	103783	...	351
3511	Basic excl fertilizers	65	8	8	8	8	30	50	248	8915	-	3511
3513	Synthetic resins etc .	99	91	102	98	83	712	1403	7598	94868	220	3513
352	Other chemical products.	146	137	143	141	95	334	783	3966	76210	1012	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	-	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	13	12	13	10	13	353	936	3143	92768	3713	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	...	...	...	...	...	...	...	...	...	...	369
371	Iron and steel	59	19	26	27	26	338	1099	6127	335295	3155	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	55	54	68	67	64	97	161	707	16458	505	381
382	Machinery n.e.c.	42	38	44	35	35	95	190	774	13126	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	21	21	9	9	9	90	...	...	...	...	383
3832	Radio,television etc..	16	9	9	9	9	333	685	1894	37449	728	3832
384	Transport equipment	100	100	124	124	140	1996	4205	10188	486381	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	...	...	...	...	...	...	...	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Selected industries; for coverage, see country note.

b/ In billion australes.

ARGENTINA

3. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	114	116	115	95	72	72	98	98	...	-0.3	210
220	Petroleum and gas	104	107	107	105	104	100	110	116	...	2.1	220
230	Metal ore mining	107	101	105	110	117	89	104	108	...	1.1	230
290	Other mining	77	64	55	50	57	65	60	44	...	-11.1	290
2	Mining, quarrying .	101	101	101	98	94	94	104	107	...	1.0	2
311/2	Food products	92	94	97	99	104	100	96	100	...	0.0	311/2
313	Beverages	76	85	101	95	122	118	89	81	...	-3.0	313
314	Tobacco	86	91	103	103	106	99	89	92	...	-1.2	314
321	Textiles	82	97	101	76	96	91	89	88	...	-1.8	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	55	60	62	43	50	41	41	38	...	-12.9	322
323	Leather and products ...	108	94	79	88	95	84	80	88	...	-1.8	323
324	Footwear	80	75	85	70	67	58	55	45	...	-10.8	324
331	Wood products	68	70	69	56	64	59	49	46	...	-10.5	331
332	Furniture, fixtures	83	72	60	58	75	73	62	65	...	-6.0	332
341	Paper and products	94	105	105	97	107	105	106	99	...	-0.1	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	80	81	83	84	84	77	70	69	...	-5.2	342
351	Industrial chemicals ...	109	121	126	107	136	137	134	114	...	1.9	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	90	97	113	113	123	123	116	95	...	-0.7	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	96	100	97	100	100	94	100	113	...	1.8	353
354	Petroleum,coal products.	92	100	96	104	101	112	108	114	...	1.9	354
355	Rubber products	68	94	98	71	87	89	99	80	...	-3.1	355
356	Plastic products n.e.c..	80	91	105	81	88	71	57	57	...	-7.7	356
361	Pottery,china etc	61	83	77	48	71	67	58	64	...	-6.2	361
362	Glass and products	71	83	82	54	74	84	71	68	...	-5.4	362
369	Non-metal products n.e.c	78	84	76	63	74	81	78	60	...	-7.0	369
371	Iron and steel	102	107	105	102	113	130	137	153	...	6.3	371
372	Non-ferrous metals	83	93	100	78	94	95	86	61	...	-6.8	372
381	Metal products	76	93	100	84	96	99	83	60	...	-7.0	381
382	Machinery n.e.c.	66	72	68	49	54	53	53	53	...	-8.7	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	73	78	86	74	98	96	78	60	...	-7.0	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	54	65	70	58	68	71	62	47	...	-10.2	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	60	76	90	81	78	100	85	29	...	-16.2	385
390	Other industries	80	88	92	82	93	92	86	80	...	-3.1	390
3	Manufacturing	81	89	93	84	95	88	82	76	...	-3.8	3
410	Electricity,gas,steam ..	102	110	116	117	127	136	139	135	...	4.4	410
4101	Electricity	101	109	114	116	126	135	136	131	...	3.9	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	102	110	117	119	128	135	142	140	...	4.9	4
2-4	All industry	82	90	94	86	96	95	85	79	...	-3.3	2-4

a/ Annual growth rate 1982-1989.

AUSTRALIA

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Australian Bureau of Statistics, Canberra. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates are derived from annual censuses of mining, manufacturing and electricity and gas. These censuses are conducted within the framework of an integrated census programme which also covers, on a periodic basis, retail and wholesale trade. A standard industrial classification has been adopted for the integrated censuses and the census units are consistently defined to cover all activities carried out under one ownership at a single physical location. For the industrial censuses, all establishments in the industries surveyed are covered, but water works and supply are not surveyed and the manufacturing data shown in the tables exclude single-establishment enterprises with fewer than 4 employees. Only a limited range of data (employment and earnings) is collected from these small manufacturing units and their contribution to statistical aggregates is stated to be marginal. The reference period is the fiscal year from 1 July to 30 June; the period referred to in the tables is the fiscal year ending in the year indicated.

In application of the standardized concept of the census unit, mining excludes establishments at which the mining activity is subsidiary to a non-mining activity at the same location. Itinerant and part-time miners are omitted because of their limited operations and consequent difficulties in collecting returns. For manufacturing, data supplied for the establishment cover, in addition to manufacturing activities primary to the industry class to which the establishment is classified, the following activities, subject to certain exceptions mentioned below: any other manufacturing activity (that is, production of goods primary to another class of industry); any selling and distribution activities connected with the products manufactured; any non-manufacturing activity (for example, merchandising of goods not manufactured by the establishment, extraction of raw materials for use by the establishment); activities of separately located administrative offices and ancillary units serving the establishment. Exceptions are made in the case of locations where subsidiary activities exceed a specified amount in gross value (currently $4.3 million), the units in such cases being treated as two or more establishments corresponding to the kinds of activity carried on. The census unit for electricity and gas, an exception to the general concept, consists of all locations, including administrative offices and ancillary units, operated by the particular undertaking in the one State, including own account construction.

The estimates, which are based on the 1983 edition of the Australian Standard Industrial Classification, generally have been adjusted to the present version of ISIC. However, it should be noted that the national concept of manufacturing excludes making up of curtains, custom dressmaking and tailoring, and repair and servicing of agricultural machinery (these activities are included in the retail and wholesale trade censuses). Also, manufacture of refrigerators (ISIC 382) is included in ISIC 383, manufacture of hard surface floor covering n.e.c. (ISIC 321) is included in ISIC 356, and steam and hot water supply (ISIC 410) are included in ISIC 390.

The information relates to the number of establishments which operated at any time during the year. For mining, manufacturing and electricity and gas, the count of establishments in table 1 relates to those operating at 30 June. Separately located administrative offices and ancillary units are not included in the establishment count but activities of these units are included in the establishment statistics.

The employment data for mining and electricity and gas are as of 30 June. For manufacturing, the estimates of persons engaged and employees are annual averages until 1987 and are as of 30 June beginning 1988. The numbers of operatives are as of 30 June.

The concept of output comprises (a) sales (exclusive of excise and sales tax) of goods, whether produced by the establishment or not, (b) transfers out of goods to other establishments of the same enterprise, (c) bounties and subsidies on production, (d) all other operating revenue from outside the enterprise (such as commission, repair and service revenue), (e) capital work done for own use, or for rental or lease and (f) rent, leasing and hiring revenue. Adjustments are made for changes in the value of stocks of finished goods and work in progress.

Value added is calculated as the value of output less the following inputs: (a) purchases of materials, fuel, power, containers etc. and of goods for resale, adjusted for stock changes, (b) transfers in of goods from other establishments of the enterprise, (c) charges for commission and subcontract work, (d) repair and maintenance expenses, (e) outward freight and cartage, motor vehicle running expenses, sales commission payments made outside the enterprise and (f) rent, leasing and hiring expenses.

Gross fixed capital formation represents the outlay on new and used fixed tangible assets less disposals. Expenditure on establishments not yet in operation is included.

The indices of industrial production are compiled by the Institute of Applied Economic and Social Research, University of Melbourne, and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover establishments with 4 or more persons engaged or with installed power equipment. All figures relate to the 12-month period ending 30 June of the year indicated.

Related national publications:

Mining Establishments (annual); Manufacturing Establishments (annual); Electricity and Gas Establishments (annual); Year Book Australia, all published by the Australian Bureau of Statistics, Canberra.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/b/ (NUMBER) 1986	1987	1988	1989	1990	2. AVERAGE NUMBER OF PERSONS ENGAGED b/d/ (THOUSANDS) c/ 1986	c/ 1987	e/ 1988	e/ 1989	1990	ISIC
210	Coal mining	133	120	109	101	...	35	35	31	...	...	210
220	Petroleum and gas	31	31	37	41	...	5	5	5	...	...	220
230	Metal ore mining	273	268	281	234	...	30	29	31	...	...	230
290	Other mining	1091	1032	1048	...	...	9	9	9	...	...	290
2	Mining, quarrying .	1528	1451	1475	...	...	79	78	77	...	...	2
311/2	Food products	...	3219	3576	3371	...	...	146	153	155	...	311/2
313	Beverages	...	336	356	359	...	...	19	18	18	...	313
314	Tobacco	...	6	6	5	...	...	4	4	3	...	314
321	Textiles	...	920	982	967	...	...	47	48	44	...	321
3211	Spinning,weaving etc..	...	267	280	272	...	...	22	22	20	...	3211
322	Wearing apparel	...	1615	1865	1874	...	...	48	51	50	...	322
323	Leather and products ...	...	183	199	176	...	...	4	4	4	...	323
324	Footwear	...	210	216	187	...	...	13	12	11	...	324
331	Wood products	...	2575	2676	2764	...	...	45	47	49	...	331
332	Furniture, fixtures	...	1725	2012	2085	...	...	29	35	35	...	332
341	Paper and products	...	231	253	271	...	...	21	23	23	...	341
3411	Pulp,paper etc.	...	34	40	55	...	...	8	8	9	...	3411
342	Printing,publishing	...	2845	3103	3127	...	...	85	87	90	...	342
351	Industrial chemicals ...	...	274	318	291	...	...	17	18	17	...	351
3511	Basic excl fertilizers	...	148	176	147	...	...	7	8	7	...	3511
3513	Synthetic resins etc .	...	69	75	76	...	...	6	5	5	...	3513
352	Other chemical products.	...	562	608	622	...	...	32	32	32	...	352
3522	Drugs and medicines ..	...	109	122	112	...	...	10	10	5	...	3522
353	Petroleum refineries ...	...	12	10	14	...	...	4	4	4	...	353
354	Petroleum,coal products.	...	23	24	22	...	...	1	1	1	...	354
355	Rubber products	...	180	194	200	...	...	10	10	10	...	355
356	Plastic products n.e.c..	...	1017	1103	1144	...	...	33	36	37	...	356
361	Pottery,china etc	...	79	94	98	...	...	2	2	2	...	361
362	Glass and products	...	56	81	81	...	...	6	6	7	...	362
369	Non-metal products n.e.c	...	1676	1688	1322	...	...	31	32	33	...	369
371	Iron and steel	...	331	342	362	...	...	44	45	41	...	371
372	Non-ferrous metals	...	236	240	233	...	...	29	30	29	...	372
381	Metal products	...	4349	4848	4827	...	...	95	105	108	...	381
382	Machinery n.e.c.	...	2280	2408	2462	...	...	66	70	71	...	382
3825	Office,computing etc..	...	974	1027	1038	...	...	24	25	25	...	3825
383	Electrical machinery ...	...	987	1091	1130	...	...	57	60	62	...	383
3832	Radio,television etc..	...	327	403	440	...	...	20	21	23	...	3832
384	Transport equipment	...	1351	1456	1555	...	...	105	105	110	...	384
3841	Shipbuilding, repair..	...	299	334	361	...	...	12	11	13	...	3841
3843	Motor vehicles	...	875	932	975	...	...	60	63	68	...	3843
385	Professional goods	...	630	814	642	...	...	11	13	12	...	385
390	Other industries	...	938	1043	1058	...	...	12	13	14	...	390
3	Manufacturing	...	28846	31606	31249	...	...	1015	1064	1073	...	3
410	Electricity,gas,steam ..	...	108	...	...	...	...	90	...	...	...	410
4101	Electricity	...	74	...	...	...	...	79	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

Note. For certain differences in classification, see country note.

a/ At 30 June of the year indicated.
b/ Manufacturing: excluding single-establishment enterprises with fewer than 4 employees.
c/ Twelve months ending 30 June of the year indicated.
d/ Mining and electricity and gas: at 30 June of the year indicated.
e/ Manufacturing: at 30 June of the year indicated.

AUSTRALIA

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/d/ (THOUSANDS) b/ 1986	b/ 1987	e/ 1988	e/ 1989	1990	4. WAGES AND SALARIES OF EMPLOYEES a/b/c/ (MILLION DOLLARS) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	35	35	31	26	...	1251	1340	1329	1269	...	210
220	Petroleum and gas	5	5	5	5	...	188	187	218	225	...	220
230	Metal ore mining	30	29	31	33	...	938	974	1096	1225	...	230
290	Other mining	9	9	9	...	...	196	266	241	...	...	290
2	Mining, quarrying .	78	78	76	...	...	2573	2767	2883	...	...	2
311/2	Food products	...	145	151	153	...	...	2901	3281	3432	...	311/2
313	Beverages	...	18	18	18	...	...	432	461	469	...	313
314	Tobacco	...	4	4	3	...	...	113	124	101	...	314
321	Textiles	...	47	47	44	...	...	904	982	956	...	321
3211	Spinning,weaving etc..	...	22	22	20	...	...	458	494	453	...	3211
322	Wearing apparel	...	48	50	49	...	...	700	778	843	...	322
323	Leather and products ...	...	4	4	4	...	...	71	77	75	...	323
324	Footwear	...	12	12	11	...	...	201	212	218	...	324
331	Wood products	...	45	46	48	...	...	800	896	997	...	331
332	Furniture, fixtures	...	29	34	34	...	...	486	607	661	...	332
341	Paper and products	...	21	22	22	...	...	557	616	674	...	341
3411	Pulp,paper etc.	...	8	8	9	...	...	237	255	284	...	3411
342	Printing,publishing	...	85	86	89	...	...	1814	2065	2190	...	342
351	Industrial chemicals ...	...	17	18	17	...	...	494	545	539	...	351
3511	Basic excl fertilizers	...	7	8	7	...	...	204	232	227	...	3511
3513	Synthetic resins etc .	...	5	5	5	...	...	165	177	182	...	3513
352	Other chemical products.	...	32	32	32	...	...	751	847	867	...	352
3522	Drugs and medicines ..	...	10	10	11	...	...	239	273	296	...	3522
353	Petroleum refineries ...	...	4	4	4	...	...	156	160	170	...	353
354	Petroleum,coal products.	...	1	1	1	...	...	14	15	15	...	354
355	Rubber products	...	10	10	10	...	...	214	243	267	...	355
356	Plastic products n.e.c..	...	33	36	37	...	...	682	814	873	...	356
361	Pottery,china etc	...	2	2	2	...	...	37	40	45	...	361
362	Glass and products	...	6	6	7	...	...	163	181	205	...	362
369	Non-metal products n.e.c	...	31	32	33	...	...	718	786	887	...	369
371	Iron and steel	...	44	45	41	...	...	1212	1277	1274	...	371
372	Non-ferrous metals	...	29	30	29	...	...	808	873	947	...	372
381	Metal products	...	95	103	106	...	...	1937	2198	2435	...	381
382	Machinery n.e.c.	...	66	69	71	...	...	1403	1575	1746	...	382
3825	Office,computing etc..	...	24	24	25	...	...	531	582	665	...	3825
383	Electrical machinery ...	...	57	60	62	...	...	1162	1342	1479	...	383
3832	Radio,television etc..	...	20	21	...	...	...	433	521	572	...	3832
384	Transport equipment	...	105	105	109	...	...	2368	2440	2695	...	384
3841	Shipbuilding, repair..	...	12	11	12	...	...	277	254	299	...	3841
3843	Motor vehicles	...	60	62	68	...	...	1317	1444	1620	...	3843
385	Professional goods	...	11	13	12	...	...	221	276	284	...	385
390	Other industries	...	12	13	13	...	...	200	241	259	...	390
3	Manufacturing	...	1014	1053	1062	...	...	21519	23952	25603	...	3
410	Electricity,gas,steam ..	...	90	...	...	...	...	2453	...	...	...	410
4101	Electricity	...	79	...	...	...	...	2179	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

Note. For certain differences in classification, see country note.

a/ Manufacturing: excluding single-establishment enterprises with fewer than 4 employees.
b/ Twelve months ending 30 June of the year indicated. c/ Excluding payments in kind.
d/ Mining and electricity and gas: at 30 June of the year indicated.
e/ Manufacturing: at 30 June of the year indicated.

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES a/b/ (THOUSANDS)					6. WAGES AND SALARIES OF OPERATIVES b/c/d/ (MILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	28	28	25	24	...	984	1108	1052	1068	...	210
220	Petroleum and gas	2	2	2	2	...	103	86	86	96	...	220
230	Metal ore mining	20	19	20	23	...	622	630	686	826	...	230
290	Other mining	7	6	7	...	...	145	153	174	...	...	290
2	Mining, quarrying .	57	55	54	...	...	1853	1977	1998	...	...	2
311/2	Food products	...	105	...	...	...	...	2057	...	...	...	311/2
313	Beverages	...	12	...	...	...	...	267	...	...	...	313
314	Tobacco	...	3	...	...	...	...	67	...	...	...	314
321	Textiles	...	37	...	...	...	...	652	...	...	...	321
3211	Spinning,weaving etc..	...	17	...	...	...	...	320	...	...	...	3211
322	Wearing apparel	...	40	...	...	...	...	551	...	...	...	322
323	Leather and products ...	...	3	...	...	...	...	55	...	...	...	323
324	Footwear	...	10	...	...	...	...	157	...	...	...	324
331	Wood products	...	34	...	...	...	...	598	...	...	...	331
332	Furniture, fixtures	...	22	...	...	...	...	357	...	...	...	332
341	Paper and products	...	15	...	...	...	...	387	...	...	...	341
3411	Pulp,paper etc.	...	5	...	...	...	...	166	...	...	...	3411
342	Printing,publishing	...	47	...	...	...	...	1013	...	...	...	342
351	Industrial chemicals ...	...	10	...	...	...	...	281	...	...	...	351
3511	Basic excl fertilizers	...	4	...	...	...	...	118	...	...	...	3511
3513	Synthetic resins etc .	...	3	...	...	...	...	91	...	...	...	3513
352	Other chemical products.	...	17	...	...	...	...	360	...	...	...	352
3522	Drugs and medicines ..	...	5	...	...	...	...	111	...	...	...	3522
353	Petroleum refineries ...	...	3	...	...	...	...	110	...	...	...	353
354	Petroleum,coal products.	...	-	...	...	...	...	8	...	...	...	354
355	Rubber products	...	7	...	...	...	...	153	...	...	...	355
356	Plastic products n.e.c..	...	24	...	...	...	...	464	...	...	...	356
361	Pottery,china etc	...	1	...	...	...	...	26	...	...	...	361
362	Glass and products	...	5	...	...	...	...	108	...	...	...	362
369	Non-metal products n.e.c	...	22	...	...	...	...	500	...	...	...	369
371	Iron and steel	...	32	...	...	...	...	826	...	...	...	371
372	Non-ferrous metals	...	22	...	...	...	...	574	...	...	...	372
381	Metal products	...	69	...	...	...	...	1339	...	...	...	381
382	Machinery n.e.c.	...	47	...	...	...	...	960	...	...	...	382
3825	Office,computing etc..	...	17	...	...	...	...	368	...	...	...	3825
383	Electrical machinery ...	...	40	...	...	...	...	746	...	...	...	383
3832	Radio,television etc..	...	13	...	...	...	...	246	...	...	...	3832
384	Transport equipment	...	83	...	...	...	...	1739	...	...	...	384
3841	Shipbuilding, repair..	...	8	...	...	...	...	177	...	...	...	3841
3843	Motor vehicles	...	47	...	...	...	...	939	...	...	...	3843
385	Professional goods	...	8	...	...	...	...	149	...	...	...	385
390	Other industries	...	8	...	...	...	...	125	...	...	...	390
3	Manufacturing	...	728	...	...	...	...	14635	...	...	...	3
410	Electricity,gas,steam ..	...	53	...	...	...	...	1371	...	...	...	410
4101	Electricity	...	48	...	...	...	...	1250	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

Note. For certain differences in classification, see country note.

a/ At 30 June of the year indicated.
b/ Manufacturing: excluding single-establishment enterprises with fewer than 4 employees.
c/ Twelve months ending 30 June of the year indicated. d/ Excluding payments in kind.

AUSTRALIA

ISIC	INDUSTRY	7. OUTPUT IN FACTOR VALUES a/b/ (MILLION DOLLARS)					8. VALUE ADDED IN FACTOR VALUES a/b/ (MILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	7409	7293	6884	6329	...	4132	4374	3706	3402	...	210
220	Petroleum and gas	4947	4015	4273	3606	...	4474	3713	3925	3216	...	220
230	Metal ore mining	6017	6699	8260	9567	...	3632	4168	5174	5948	...	230
290	Other mining	1338	1487	1675	...	...	718	897	983	...	...	290
2	Mining, quarrying .	19712	19494	21092	...	...	12956	13152	13788	...	...	2
311/2	Food products	...	20633	23056	25297	...	...	6614	...	...	...	311/2
313	Beverages	...	3593	4029	4698	...	...	1474	...	...	...	313
314	Tobacco	...	656	679	710	...	...	356	...	...	...	314
321	Textiles	...	4432	4861	5148	...	...	1845	...	...	...	321
3211	Spinning,weaving etc..	...	2099	2355	2392	...	...	870	...	...	...	3211
322	Wearing apparel	...	2572	2952	3341	...	...	1213	...	...	...	322
323	Leather and products ...	...	588	661	597	...	...	159	...	...	...	323
324	Footwear	...	735	749	779	...	...	352	...	...	...	324
331	Wood products	...	3889	4438	5167	...	...	1620	...	...	...	331
332	Furniture, fixtures	...	2029	2568	2731	...	...	874	...	...	...	332
341	Paper and products	...	3584	3987	4510	...	...	1387	...	...	...	341
3411	Pulp,paper etc.	...	1610	1771	2167	...	...	655	...	...	...	3411
342	Printing,publishing	...	6836	8031	8857	...	...	3781	...	...	...	342
351	Industrial chemicals ...	...	4824	5686	5947	...	...	1723	...	...	...	351
3511	Basic excl fertilizers	...	1819	2150	2324	...	...	760	...	...	...	3511
3513	Synthetic resins etc .	...	1595	1804	1897	...	..	544	...	...	...	3513
352	Other chemical products.	...	4613	5333	5912	...	...	2073	...	...	...	352
3522	Drugs and medicines ..	...	1337	1606	1788	...	...	646	...	...	...	3522
353	Petroleum refineries ...	...	1738	1696	1849	...	...	323	...	...	...	353
354	Petroleum,coal products.	...	144	162	141	...	...	33	...	...	...	354
355	Rubber products	...	945	1061	1245	...	...	428	...	...	...	355
356	Plastic products n.e.c..	...	3664	4400	5090	...	...	1452	...	...	...	356
361	Pottery,china etc	...	131	126	145	...	...	...	...	...	...	361
362	Glass and products	...	790	883	1053	...	...	416	...	...	...	362
369	Non-metal products n.e.c	...	4483	5012	6070	...	...	1716	...	...	...	369
371	Iron and steel	...	6758	7512	8986	...	...	2122	...	...	...	371
372	Non-ferrous metals	...	7519	8846	10423	...	...	2259	...	...	...	372
381	Metal products	...	8512	10113	11989	...	...	3540	...	...	...	381
382	Machinery n.e.c.	...	5776	6540	7561	...	...	2606	...	...	...	382
3825	Office,computing etc..	...	2145	2199	2521	...	...	973	...	...	...	3825
383	Electrical machinery ...	...	5338	6089	7222	...	...	1652	...	...	...	383
3832	Radio,television etc..	...	1995	2266	2823	...	...	915	...	...	...	3832
384	Transport equipment	...	10785	12264	14124	...	...	4069	...	...	...	384
3841	Shipbuilding, repair..	...	797	1099	1327	...	...	447	...	...	...	3841
3843	Motor vehicles	...	8087	9349	10763	...	...	2536	...	...	...	3843
385	Professional goods	...	946	1071	1148	...	...	499	...	...	...	385
390	Other industries	...	873	1012	1117	...	...	385	...	...	...	390
3	Manufacturing	...	117385	133820	151857	...	...	...	...	...	...	3
410	Electricity,gas,steam ..	...	14028	...	...	...	...	6918	...	...	...	410
4101	Electricity	...	12042	...	...	...	...	5876	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

Note. For certain differences in classification, see country note.

a/ Twelve months ending 30 June of the year indicated.
b/ Manufacturing: excluding single-establishment enterprises with fewer than 4 employees.

9. VALUE OF STOCKS AT END OF PERIOD
TOTAL a/b/
(MILLION DOLLARS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	765	906	628	576	...	210
220	Petroleum and gas	179	234	227	241	...	220
230	Metal ore mining	728	941	1051	1203	...	230
290	Other mining	145	204	228	...	. .	290
2	Mining, quarrying .	1818	2285	2134	...	...	2
311/2	Food products	...	1632	...	...	...	311/2
313	Beverages	...	643	...	....	...	313
314	Tobacco	...	201	...	...	...	314
321	Textiles	...	779	...	...	...	321
3211	Spinning,weaving etc..	...	354	...	...	...	3211
322	Wearing apparel	...	388	...	...	...	322
323	Leather and products ...	...	72	...	...	...	323
324	Footwear	...	119	...	...	...	324
331	Wood products	...	569	...	...	...	331
332	Furniture, fixtures	...	277	...	...	...	332
341	Paper and products	...	392	...	...	...	341
3411	Pulp,paper etc.	...	167	...	...	...	3411
342	Printing,publishing	...	585	...	...	...	342
351	Industrial chemicals ...	...	809	...	...	...	351
3511	Basic excl fertilizers	...	219	...	...	...	3511
3513	Synthetic resins etc .	...	269	...	...	...	3513
352	Other chemical products		876	..	...	...	352
3522	Drugs and medicines .	..	340	...	...	...	3522
353	Petroleum refineries ...	...	198	...	...	...	353
354	Petroleum,coal products.	...	18	...	...	...	354
355	Rubber products	...	83	...	...	...	355
356	Plastic products n.e.c..	...	530	...	...	...	356
361	Pottery,china etc	...	21	...	...	...	361
362	Glass and products	...	138	...	...	...	362
369	Non-metal products n.e.c	...	494	...	...	...	369
371	Iron and steel	...	1111	...	...	...	371
372	Non-ferrous metals	...	1130	...	...	...	372
381	Metal products	...	1150	...	...	...	381
382	Machinery n.e.c.	...	1154	...	...	...	382
3825	Office,computing etc..	...	354	...	...	...	3825
383	Electrical machinery ...	...	1099	...	...	...	383
3832	Radio,television etc..	...	469	...	...	...	3832
384	Transport equipment	...	1878	...	...	...	384
3841	Shipbuilding, repair..	...	111	...	...	...	3841
3843	Motor vehicles	...	1263	...	...	...	3843
385	Professional goods	...	169	...	...	...	385
390	Other industries	...	159	...	...	...	390
3	Manufacturing	...	16674	...	...	...	3
410	Electricity,gas,steam ..	...	1066	...	...	...	410
4101	Electricity	...	997	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	2-4

Note. For certain differences in classification, see country note.

a/ At 30 June of the year indicated.
b/ Manufacturing: excluding single-establishment enterprises with fewer than 4 employees.

AUSTRALIA

10. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100) a/

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	b/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	102	104	108	111	112	113	112	118	119	2.2	311/2
313	Beverages	96	95	98	100	101	104	99	100	101	0.1	313
314	Tobacco	99	94	91	89	93	89	89	90	90	-1.3	314
321	Textiles	92	97	101	105	104	99	103	98	97	-0.4	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	87	85	89	92	86	81	81	78	69	-4.5	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	91	97	101	104	99	86	85	63	57	-6.8	324
331	Wood products	[92	96	102	107	103	108	115	120	117	2.0]	331
332	Furniture, fixtures											332
341	Paper and products	90	94	97	100	100	105	110	113	111	1.3	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	96	98	98	99	100	116	128	134	129	3.2	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	102	103	106	110	112	120	127	135	132	3.5	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	100	104	103	102	102	108	110	112	115	1.8	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	[										361
362	Glass and products	88	87	94	102	95	102	134	131	125	2.8	362
369	Non-metal products n.e.c										]	369
371	Iron and steel	[79	85	91	97	95	94	103	111	112	1.4]	371
372	Non-ferrous metals											372
381	Metal products	76	80	88	95	94	93	100	103	100	0.0	381
382	Machinery n.e.c.	73	63	77	91	91	102	105	110	111	1.3	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	78	79	80	82	83	86	82	85	82	-2.5	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	108	90	96	101	85	87	92	103	86	-1.9	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	108	84	93	101	83	86	94	107	85	-2.0	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	87	91	93	96	96	102	103	105	104	0.5	390
3	Manufacturing	94	96	100	104	104	110	117	...	...	d/ 2.0	3
410	Electricity,gas,steam ..	106	111	118	125	130	136	143	150	152	5.4	410
4101	Electricity	106	110	116	123	130	136	144	152	155	5.6	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry c/	97	101	108	115	114	121	129	...	...	d/ 3.2	2-4

a/ Twelve months beginning 1 July of the year stated.
b/ Annual growth rate 1982-1990.
c/ Excluding mining.
d/ Annual growth rate 1980-1988.

AUSTRIA

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Austrian Central Statistical Office, Vienna. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

In general, the estimates are derived from the results of annual surveys conducted by the Austrian Central Statistical Office under the terms of a statistical law introduced in 1969. The figures presented in the tables generally cover all establishments affiliated with the Industry Section of the Federal Economic Chamber (membership is compulsory for specific commodity-producing units), and establishments with 20 or more employees of the "Gewerbesektion". The latter are generally handicraft-type units, but for certain branches of industry they account for a considerable share of total output. Establishments below this size are also surveyed annually but the results are not included.

The estimates, which are based on the national classification scheme, have generally been adjusted to the present version of ISIC. Certain differences are annotated in the tables.

In principle, the reporting unit is the local self-contained unit capable of reporting production costs. However, a deviation from this practice is used for units engaged in multiple economic activities at one location; these units are whenever possible subdivided by their activities.

The employment figures represent the numbers on 31 December of each year. Homeworkers are included in the estimates of persons engaged and employees, and payments to homeworkers are included in remuneration of employees. Homeworkers are also included in the tables relating to operatives.

The estimates of wages and salaries represent gross pay-roll earnings of salary and wage earners, including apprentices paid at apprenticeship rates. They include both regular pay and irregular allowances, such as employee profit sharing and dismissal pay. Commission earnings, daily allowances etc. paid to independent agents are excluded. Supplements to wages and salaries comprise (a) social security contributions paid by the employer (health, old-age, accident and unemployment insurance); contributions to the equalization fund for child allowance; contributions to the residential construction fund and lodging allowance; and (b) all (net) expenditures of the employer for non-obligatory social services (payments in case of accident, decease and distress; canteen services, mileage allowance etc.).

The estimates of output comprise turnover of own production, receipts for goods sold in the same condition as received and receipts for repair, installation, maintenance and other work done. Adjustments are made for changes in the value of stocks of finished goods and work in progress. The estimates of value added are derived as the difference between output and the cost of the following inputs: raw materials, supplies, semi-manufactures, fuels and electricity; work contracted out, including repair work; other operating expenses, including the cost of goods to be sold as received and non-industrial services. Adjustments are made for changes in stocks. The valuation is in producers' prices but the value-added tax is not included.

Gross fixed capital formation relates to acquisitions of fixed capital assets; sales are not deducted. Improvements and repair of a capital nature are included. Also included are rights treated as assets under the national concept, such as licences and rights to the use of trade marks. For machinery and equipment, second-hand plant and minor assets are excluded.

The estimates of stocks cover all commodities owned by the establishments at the end of the year. Valuation is in purchasers' prices or producers' prices depending on the category of the stock. The indices of industrial production are compiled by the Austrian Central Statistical Office and provided in response to the United Nations Questionnaire on Indices of Industrial Production. The indices cover all establishments affiliated with the Industry Section of the Federal Economic Chamber.

Related national publications:

Statistisches Handbuch fur die Republik Österreich (annual); Industriestatistik, 2.Teil (annual); Gewerbestatistik, 2. Teil (annual); Statistische Nachrichten (monthly - selected issues), all published by the Austrian Central Statistical Office, Vienna. Betriebsstatistik-Erzeugung und Verbrauch Elektrischer Energie in Österreich, 1. Teil, Gesamtergebnisse (annual), published by the Ministry of Economic Affairs, Vienna.

AUSTRIA

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/b/c/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	11	10	10	8	...	3.0	2.7	2.3	1.8	...	210
220	Petroleum and gas	14	10	9	9	...	3.9	3.0	2.8	2.6	...	220
230	Metal ore mining	10	9	8	6	...	2.3	1.7	1.4	1.2	...	230
290	Other mining	142	140	137	140	...	3.4	3.3	3.4	3.5	...	290
2	Mining, quarrying .	177	169	164	163	...	12.6	10.7	9.9	9.1	...	2
311/2	Food products	866	859	851	831	...	52.3	52.3	52.1	51.7	...	311/2
313	Beverages	252	251	250	245	...	13.2	13.1	12.9	12.4	...	313
314	Tobacco	15	15	15	15	...	1.5	1.4	1.4	1.3	...	314
321	Textiles	507	484	476	468	...	40.5	38.3	37.5	37.7	...	321
3211	Spinning,weaving etc..	260	243	237	239	...	21.1	19.5	19.7	20.1	...	3211
322	Wearing apparel	468	454	440	423	...	30.0	28.5	26.8	25.1	...	322
323	Leather and products ...	46	48	44	42	...	2.9	2.8	2.7	2.9	...	323
324	Footwear ..... d/	81	81	74	66	...	12.3	10.7	8.6	8.4	...	324
331	Wood products	2177	2122	2090	2031	...	18.3	18.0	18.0	18.5	...	331
332	Furniture, fixtures	621	603	583	569	...	28.8	29.1	29.5	30.7	...	332
341	Paper and products	158	164	161	155	...	20.0	20.4	20.4	20.5	...	341
3411	Pulp,paper etc.	48	47	47	46	...	13.0	13.4	13.4	13.2	...	3411
342	Printing,publishing	321	319	308	323	...	26.0	25.1	23.6	24.8	...	342
351	Industrial chemicals ...	134	133	148	150	...	21.9	20.9	20.9	20.8	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	83	79	92	92	...	10.5	10.5	12.5	13.0	...	3513
352	Other chemical products.	285	295	287	283	...	17.5	18.0	18.5	18.8	...	352
3522	Drugs and medicines ..	64	64	65	64	...	6.7	7.3	7.7	7.9	...	3522
353	Petroleum refineries ...	25	30	29	31	...	3.9	3.7	3.7	3.7	...	353
354	Petroleum,coal products.	13	22	38	35	...	1.1	1.1	1.3	1.2	...	354
355	Rubber products	36	37	37	38	...	7.6	7.5	7.7	7.5	...	355
356	Plastic products n.e.c..	255	263	252	243	...	12.3	12.7	12.2	12.7	...	356
361	Pottery,china etc	28	29	31	30	...	2.8	2.8	3.0	3.0	...	361
362	Glass and products	76	76	80	77	...	9.2	8.9	8.6	9.0	...	362
369	Non-metal products n.e.c	453	443	421	424	...	24.7	24.6	25.1	25.2	...	369
371	Iron and steel ..... e/	109	107	113	115	...	42.8	38.9	38.2	38.2	...	371
372	Non-ferrous metals ..... e/	54	56	58	58	...	10.3	9.6	10.0	9.8	...	372
381	Metal products	850	854	864	862	...	54.5	54.2	58.0	58.2	...	381
382	Machinery n.e.c.	739	748	774	778	...	68.8	68.0	63.5	67.8	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	459	463	464	481	...	78.5	76.9	77.5	81.2	...	383
3832	Radio,television etc..	44	48	55	55	...	16.8	16.4	18.7	18.4	...	3832
384	Transport equipment	111	110	113	116	...	30.5	29.1	29.4	30.6	...	384
3841	Shipbuilding, repair..	5	4	5	4	...	1.5	1.5	1.5	1.4	...	3841
3843	Motor vehicles	68	68	70	73	...	22.1	20.7	21.0	22.3	...	3843
385	Professional goods	82	83	82	78	...	7.6	7.1	7.0	6.8	...	385
390	Other industries	60	60	58	58	...	8.2	8.2	7.9	8.1	...	390
3	Manufacturing ..... d/	9281 f/	9209 f/	9141 f/	9025 f/	...	647.6	631.9	625.8	636.9	...	3
410	Electricity,gas,steam ..	375 f/	371 f/	390 f/	400 f/	...	35.8	35.8	35.7	35.3	...	410
4101	Electricity	284	279	277	279	...	31.5	31.3	31.0	30.3	...	4101
420	Water works and supply .	187	187	188	188	...	2.4	2.4	2.3	2.3	...	420
4	Electricity,gas etc	562	558	578	588	...	38.2	38.2	38.0	37.6	...	4
2-4	All industry d/	10020	9936	9883	9776	...	698.3	680.8	673.7	683.7	...	2-4

a/ All establishments affiliated with the Industry Section of the Federal Economic Chamber and establishments with 20 or more employees of the "Gewerbesektion".
b/ At 31 December of the year indicated.
c/ Including homeworkers.
d/ Including repair of footwear.
e/ Non-ferrous metal foundries are included in major group 371.
f/ Number of enterprises.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/b/c/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/d/ (BILLION SCHILLINGS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	3.0	2.7	2.3	1.8	...	0.80	0.76	0.68	0.58	...	210
220	Petroleum and gas	3.9	3.0	2.8	2.6	...	1.67	1.32	1.25	1.19	...	220
230	Metal ore mining	2.3	1.7	1.4	1.2	...	0.64	0.52	0.40	0.36	...	230
290	Other mining	3.3	3.3	3.4	3.5	...	0.94	0.95	0.87	1.01	...	290
2	Mining, quarrying ..	12.5	10.7	9.9	9.1	...	4.05	3.55	3.20	3.14	...	2
311/2	Food products	51.8	51.8	51.5	51.2	...	11.78	12.20	12.57	12.73	...	311/2
313	Beverages	13.1	13.0	12.8	12.4	...	3.73	3.84	3.88	3.95	...	313
314	Tobacco	1.5	1.4	1.4	1.3	...	0.49	0.53	0.53	0.50	...	314
321	Textiles	40.1	38.0	37.2	37.4	...	7.66	7.53	7.72	7.92	...	321
3211	Spinning,weaving etc..	21.0	19.3	19.6	19.9	...	4.34	4.12	4.39	4.52	...	3211
322	Wearing apparel	29.7	28.3	26.5	24.9	...	4.01	4.04	3.91	3.76	...	322
323	Leather and products ...	2.9	2.7	2.7	2.9	...	0.47	0.48	0.46	0.48	...	323
324	Footwear ..... e/	12.2	10.7	8.6	8.4	...	1.95	1.84	1.64	1.50	...	324
331	Wood products	16.1	15.7	15.9	16.4	...	3.21	3.17	3.28	3.47	...	331
332	Furniture, fixtures	28.4	28.7	29.1	30.3	...	5.41	5.61	5.91	6.38	...	332
341	Paper and products	19.6	20.4	20.4	20.5	...	5.66	6.04	6.29	6.58	...	341
3411	Pulp,paper etc.	13.0	13.4	13.3	13.2	...	4.07	4.36	4.52	4.71	...	3411
342	Printing,publishing	25.8	24.9	23.4	24.7	...	7.08	7.32	7.39	8.14	...	342
351	Industrial chemicals ...	21.8	20.9	20.8	20.8	...	6.44	6.84	7.01	6.89	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	10.5	10.4	12.5	13.0	...	2.82	2.99	3.81	4.03	...	3513
352	Other chemical products.	17.4	18.0	18.4	18.7	...	4.86	5.23	5.45	5.79	...	352
3522	Drugs and medicines ..	6.7	7.3	7.7	7.9	...	1.88	2.18	2.37	2.59	...	3522
353	Petroleum refineries ...	3.9	3.7	3.7	3.7	...	1.77	1.84	1.80	1.84	...	353
354	Petroleum,coal products.	1.1	1.1	1.3	1.2	...	0.33	0.34	0.41	0.42	...	354
355	Rubber products	7.6	7.5	7.7	7.5	...	2.11	2.17	2.33	2.38	...	355
356	Plastic products n.e.c..	12.3	12.6	12.2	12.7	...	2.60	2.80	2.71	2.86	...	356
361	Pottery,china etc	2.8	2.8	3.0	3.0	...	0.63	0.64	0.68	0.73	...	361
362	Glass and products	9.1	8.9	8.6	8.9	...	2.32	2.42	2.21	2.39	...	362
369	Non-metal products n.e.c	24.6	24.5	25.0	25.1	...	7.15	7.33	7.66	8.05	...	369
371	Iron and steel ..... f/	42.7	38.8	38.1	38.2	...	12.10	11.45	10.85	12.35	...	371
372	Non-ferrous metals ..... f/	10.3	9.6	9.8	9.8	...	2.81	2.82	2.80	2.94	...	372
381	Metal products	54.1	53.8	57.7	57.9	...	12.64	13.10	14.76	15.57	...	381
382	Machinery n.e.c.	68.5	67.8	63.3	67.6	...	18.45	18.98	18.25	20.26	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	78.4	76.9	77.4	81.1	...	20.06	21.21	21.72	23.25	...	383
3832	Radio,television etc..	16.8	16.4	18.7	18.4	...	3.70	3.99	4.70	4.57	...	3832
384	Transport equipment	30.5	29.0	29.4	30.6	...	8.36	8.01	8.16	8.78	...	384
3841	Shipbuilding, repair..	1.5	1.5	1.5	1.4	...	0.41	0.45	0.48	0.41	...	3841
3843	Motor vehicles	22.0	20.6	21.0	22.3	...	6.11	5.70	5.78	6.36	...	3843
385	Professional goods	7.6	7.1	6.9	6.7	...	1.56	1.58	1.55	1.49	...	385
390	Other industries	8.2	8.2	7.9	8.1	...	1.66	1.75	1.71	1.82	...	390
3	Manufacturing ..... e/	642.1	626.7	620.7	632.0	...	157.30	161.11	163.65	173.23	...	3
410	Electricity,gas,steam ..	35.7	35.6	35.6	35.2	...	12.25	12.74	12.60	13.42	...	410
4101	Electricity	31.4	31.2	30.9	30.2	...	10.95	11.37	11.17	11.74	...	4101
420	Water works and supply .	2.4	2.4	2.3	2.3	...	0.65	0.66	0.69	0.71	...	420
4	Electricity,gas etc	38.1	38.0	37.9	37.5	...	12.90	13.40	13.29	14.13	...	4
2-4	All industry e/	692.7	675.4	668.5	678.6	...	174.25	178.06	180.14	190.50	...	2-4

a/ All establishments affiliated with the Industry Section of the Federal Economic Chamber and establishments with 20 or more employees of the "Gewerbesektion".
b/ At 31 December of the year indicated.
c/ Including homeworkers.
d/ Including payments to homeworkers.
e/ Including repair of footwear.
f/ Non-ferrous metal foundries are included in major group 371.

AUSTRIA

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES a/b/ (BILLION SCHILLINGS)					6. AVERAGE NUMBER OF OPERATIVES a/c/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	0.25	0.25	0.22	0.17	...	2.6	2.4	2.0	1.6	...	210
220	Petroleum and gas	0.53	0.44	0.43	0.42	...	2.9	2.1	2.0	1.8	...	220
230	Metal ore mining	0.30	0.31	0.15	0.15	...	1.8	1.3	1.0	0.9	...	230
290	Other mining	0.26	0.27	0.25	0.29	...	2.5	2.5	2.6	2.6	...	290
2	Mining, quarrying .	1.34	1.27	1.04	1.03	...	9.8	8.3	7.6	7.0	...	2
311/2	Food products	3.22	3.36	3.48	3.55	...	35.2	35.2	34.9	34.8	...	311/2
313	Beverages	1.03	1.07	1.10	1.10	...	8.6	8.5	8.3	7.9	...	313
314	Tobacco	0.31	0.32	0.25	0.27	...	0.9	0.9	0.8	0.8	...	314
321	Textiles	2.07	2.01	2.08	2.12	...	29.4	27.6	26.9	26.9	...	321
3211	Spinning,weaving etc..	1.15	1.08	1.16	1.18	...	15.0	13.8	13.8	14.1	...	3211
322	Wearing apparel	1.10	1.08	1.05	1.05	...	24.5	23.2	21.6	20.2	...	322
323	Leather and products ...	0.13	0.12	0.13	0.13	...	2.3	2.1	2.1	2.2	...	323
324	Footwear ..... d/	0.52	0.48	0.43	0.38	...	10.3	8.9	7.1	7.0	...	324
331	Wood products	0.81	0.80	0.81	0.88	...	13.0	12.8	13.0	13.5	...	331
332	Furniture, fixtures	1.37	1.47	1.56	1.67	...	22.0	22.3	22.6	23.5	...	332
341	Paper and products	1.54	1.63	1.75	1.87	...	14.6	15.2	15.2	15.2	...	341
3411	Pulp,paper etc.	1.14	1.21	1.29	1.38	...	9.9	10.4	10.3	10.1	...	3411
342	Printing,publishing	1.64	1.70	1.75	1.90	...	16.2	15.1	14.0	14.5	...	342
351	Industrial chemicals ...	1.84	1.91	2.08	2.27	...	14.5	13.9	14.0	13.7	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	0.78	0.84	1.09	1.31	...	7.4	7.4	8.6	8.9	...	3513
352	Other chemical products	1.37	1.47	1.54	1.71	...	8.1	8.3	8.5	8.5	...	352
3522	Drugs and medicines .	0.54	0.64	0.67	0.77	...	2.5	2.7	2.9	2.9	...	3522
353	Petroleum refineries ...	0.59	0.68	0.74	0.78	...	1.8	1.8	1.7	1.7	...	353
354	Petroleum,coal products.	0.08	0.08	0.10	0.10	...	0.7	0.7	0.9	0.8	...	354
355	Rubber products	0.57	0.58	0.61	0.62	...	5.9	5.8	6.0	5.8	...	355
356	Plastic products n.e.c..	0.67	0.71	0.70	0.75	...	8.7	9.0	8.8	9.1	...	356
361	Pottery,china etc	0.18	0.18	0.20	0.22	...	2.3	2.3	2.4	2.4	...	361
362	Glass and products	0.64	0.66	0.64	0.72	...	7.2	6.9	6.7	7.0	...	362
369	Non-metal products n.e.c	2.06	2.09	2.25	2.40	...	17.4	17.3	17.7	17.7	...	369
371	Iron and steel ..... e/	4.14	4.61	3.05	4.02	...	32.4	29.4	29.4	29.4	...	371
372	Non-ferrous metals ..... e/	0.81	0.83	0.82	0.82	...	7.2	6.8	6.9	6.9	...	372
381	Metal products	3.30	3.38	3.90	4.17	...	39.1	38.5	41.0	41.2	...	381
382	Machinery n.e.c.	5.20	5.22	4.64	5.28	...	43.8	43.6	40.8	43.7	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	5.66	5.76	5.94	6.57	...	48.1	46.2	46.0	48.2	...	383
3832	Radio,television etc..	1.03	1.12	1.28	1.26	...	12.8	12.2	12.7	12.9	...	3832
384	Transport equipment	2.35	2.17	2.17	2.45	...	22.3	21.1	21.5	22.8	...	384
3841	Shipbuilding, repair..	0.11	0.11	0.09	0.11	...	1.1	1.1	1.1	1.0	...	3841
3843	Motor vehicles	1.77	1.57	1.58	1.85	...	16.6	15.6	16.0	17.2	...	3843
385	Professional goods	0.43	0.43	0.45	0.42	...	5.6	5.1	5.0	4.8	...	385
390	Other industries	0.46	0.49	0.48	0.51	...	6.7	6.6	6.4	6.5	...	390
3	Manufacturing ..... d/	44.08	45.32	44.68	48.73	...	448.5	435.3	430.3	437.1	...	3
410	Electricity,gas,steam ..	4.98	5.22	5.55	6.30	...	14.2	14.2	14.0	13.7	...	410
4101	Electricity	4.32	4.54	4.61	5.26	...	11.7	11.6	11.4	11.0	...	4101
420	Water works and supply .	0.28	0.27	0.29	0.30	...	1.2	1.2	1.2	1.2	...	420
4	Electricity,gas etc	5.26	5.49	5.85	6.60	...	15.4	15.4	15.2	15.0	...	4
2-4	All industry d/	50.68	52.08	51.57	56.36	...	473.8	459.0	453.1	459.0	...	2-4

a/ All establishments affiliated with the Industry Section of the Federal Economic Chamber and establishments with 20 or more employees of the "Gewerbesektion".
b/ Including payments to homeworkers.
c/ At 31 December of the year indicated.
d/ Including repair of footwear.
e/ Non-ferrous metal foundries are included in major group 371.

ISIC	INDUSTRY	7. WAGES AND SALARIES OF OPERATIVES a/ (BILLION SCHILLINGS) 1986	1987	1988	1989	1990	8. HOURS WORKED BY OPERATIVES b/ (THOUSANDS) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	0.65	0.61	0.54	0.46	...	...	...	...	...	...	210
220	Petroleum and gas	1.12	0.85	0.80	0.75	...	...	...	...	...	...	220
230	Metal ore mining	0.44	0.34	0.25	0.24	...	...	...	...	...	...	230
290	Other mining	0.63	0.64	0.59	0.68	...	...	...	...	...	...	290
2	Mining, quarrying .	2.84	2.44	2.18	2.12	...	c/ 14541	c/ 12709	c/ 11632	c/ 10459	c/ 9697	2
311/2	Food products	6.77	6.99	7.07	7.13	...						311/2
313	Beverages	2.16	2.22	2.22	2.23	...	51750	50643	49463	48860	49081	313
314	Tobacco	0.47	0.26	0.26	0.24	...						314
321	Textiles	4.44	4.29	4.39	4.34	...	42300	38845	37775	36673	36031	321
3211	Spinning,weaving etc..	2.45	2.30	2.44	2.41	...	...	...	...	...	...	3211
322	Wearing apparel	2.82	2.83	2.68	2.57	...	37160	35751	33797	32687	31532	322
323	Leather and products ...	0.31	0.31	0.30	0.30	...	19393	16666	14377	13057	12776	323
324	Footwear ..... d/	1.43	1.31	1.18	1.06	...	...	...	...	...	...	324
331	Wood products	2.40	2.39	2.48	2.64	...						331
332	Furniture, fixtures	3.68	3.82	4.05	4.38	...	39289	39677	34952	36037	37519	332
341	Paper and products	3.52	3.75	3.93	4.06	...	e/ 26925	e/ 27027	e/ 26732	e/ 26698	e/ 26121	341
3411	Pulp,paper etc.	2.67	2.85	2.98	3.05	...	...	...	...	...	...	3411
342	Printing,publishing	3.62	3.63	3.65	3.86	...	e/	e/	e/	e/	e/	342
351	Industrial chemicals ...	3.56	3.74	3.87	3.66	...	f/ 67533	f/ 57910	f/ 63831	f/ 57848	f/ 56697	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	1.70	1.78	2.17	2.22	...	...	...	...	...	...	3513
352	Other chemical products.	1.56	1.68	1.73	1.77	...	f/	f/	f/	f/	f/	352
3522	Drugs and medicines ..	0.42	0.49	0.53	0.56	...	...	...	...	...	...	3522
353	Petroleum refineries ...	0.66	0.68	0.67	0.68	...	f/	f/	f/	f/	f/	353
354	Petroleum,coal products.	0.19	0.19	0.24	0.25	...	f/	f/	f/	f/	f/	354
355	Rubber products	1.39	1.41	1.52	1.49	...	f/	f/	f/	f/	f/	355
356	Plastic products n.e.c..	1.49	1.60	1.58	1.66	...	f/	f/	f/	f/	f/	356
361	Pottery,china etc	0.45	0.46	0.49	0.52	...	29460	29187	29163	28822	29147	361
362	Glass and products	1.50	1.58	1.48	1.57	...	10734	10519	10108	10065	9849	362
369	Non-metal products n.e.c	4.42	4.46	4.65	4.81	...	...	...	...	...	...	369
371	Iron and steel	g/ 8.02	g/ 7.55	g/ 7.50	g/ 8.47	...						371
372	Non-ferrous metals	g/ 1.67	g/ 1.63	g/ 1.70	g/ 1.77	...	59831	53732	51718	50043	47837	372
381	Metal products	7.70	7.89	8.71	9.18	...	65390	61790	61737	62325	62306	381
382	Machinery n.e.c.	9.80	10.11	9.40	10.58	...	83070	79876	79584	82105	86997	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	9.41	9.57	9.62	10.12	...	75830	72089	71049	72786	75007	383
3832	Radio,television etc..	2.30	2.42	2.55	2.60	...	...	...	...	...	...	3832
384	Transport equipment	5.13	4.85	4.93	5.41	...	35220	32295	32730	33485	37563	384
3841	Shipbuilding, repair..	0.26	0.29	0.31	0.25	...	...	...	...	...	...	3841
3843	Motor vehicles	3.90	3.61	3.67	4.12	...	...	...	...	...	...	3843
385	Professional goods	0.95	0.94	0.92	0.85	...	...	...	...	...	...	385
390	Other industries	1.17	1.23	1.19	1.13	...	...	...	...	...	...	390
3	Manufacturing	d/ 90.69	d/ 91.38	d/ 92.41	d/ 96.89	...	h/ 643885	h/ 606007	h/ 597016	h/ 591491	h/ 598463	3
410	Electricity,gas,steam ..	3.51	3.62	3.45	3.66	...	i/ 4669	i/ 4734	i/ 3389	i/ 4757	i/ 4924	410
4101	Electricity	2.89	2.96	2.79	2.92	...	...	...	...	...	...	4101
420	Water works and supply .	0.29	0.29	0.30	0.32	...	2028	2098	2056	2054	2006	420
4	Electricity,gas etc	3.80	3.91	3.75	3.97	...	i/ 6697	i/ 6832	i/ 5445	i/ 6811	i/ 6930	4
2-4	All industry	d/ 97.33	d/ 97.73	d/ 98.34	d/ 102.99	...	i/ 665123	i/ 625548	i/ 614093	i/ 608761	i/ 615090	2-4

a/ All establishments affiliated with the Industry Section of the Federal Economic Chamber and establishments with 20 or more employees of the "Gewerbesektion".
b/ Data relate to actual hours worked by operatives and apprentices (i.e., all paid hours less paid holidays and leave) according to the wage list.
c/ Excluding major group 220.
d/ Including repair of footwear.
e/ Major group 342 is included in 341.
f/ Major groups 352 to 356 are included in 351.
g/ Non-ferrous metal foundries are included in major group 371.
h/ Including major group 220.
i/ Excluding electricity.

AUSTRIA

ISIC	INDUSTRY	9. QUANTITY OF ELECTRICITY CONSUMED a/ (MILLION KWH) 1986	1987	1988	1989	1990	10. OUTPUT IN PRODUCERS' PRICES b/c/ (BILLION SCHILLINGS) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	2.2	2.0	1.6	1.4	...	210
220	Petroleum and gas	...	...	...	...	...	15.9	11.3	11.2	11.4	...	220
230	Metal ore mining	...	...	...	...	...	1.6	1.3	1.2	1.4	...	230
290	Other mining	...	...	...	...	...	4.6	4.5	4.2	4.8	...	290
2	Mining, quarrying .	d/ 430	d/ 427	d/ 417	d/ 399	d/ 345	24.4	19.2	18.2	19.1	...	2
311/2	Food products						105.8	104.9	106.8	109.9	...	311/2
313	Beverages	686	697	678	681	724	21.0	21.9	22.6	23.1	...	313
314	Tobacco						18.3	18.5	18.4	18.5	...	314
321	Textiles	585	601	623	662	695	36.7	35.6	36.5	38.2	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	21.1	19.6	20.7	21.9	...	3211
322	Wearing apparel	55	55	56	78	81	15.9	15.4	14.8	14.9	...	322
323	Leather and products ...	53	54	50	49	48	3.1	3.1	3.0	3.0	...	323
324	Footwear ..... e/	...	...	...	...	...	9.0	8.3	7.7	7.6	...	324
331	Wood products	564	589	632	646	710	24.5	24.5	26.7	31.1	...	331
332	Furniture, fixtures						21.7	23.6	25.4	28.0	...	332
341	Paper and products	f/ 2661	f/ 2893	f/ 3292	f/ 3346	f/ 3637	37.5	38.6	41.7	45.7	...	341
3411	Pulp,paper etc.	...	...	...	...	...	29.2	29.8	32.4	35.4	...	3411
342	Printing,publishing	f/	f/	f/	f/	f/	24.0	25.2	25.6	30.4	...	342
351	Industrial chemicals ...	g/ 2832	g/ 3001	g/ 3259	g/ 3347	g/ 2340	40.2	42.4	50.8	53.1	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	17.6	18.9	27.4	28.7	...	3513
352	Other chemical products.	g/	g/	g/	g/	g/	30.4	32.1	34.6	37.1	...	352
3522	Drugs and medicines ..	...	...	...	...	...	12.1	13.2	14.9	16.2	...	3522
353	Petroleum refineries ...	h/	h/	h/	h/	h/	32.6	33.4	26.9	32.1	...	353
354	Petroleum,coal products.	662	682	722	740	740	1.9	1.8	2.2	2.2	...	354
355	Rubber products	g/	g/	g/	g/	g/	10.6	9.9	10.8	11.0	...	355
356	Plastic products n.e.c..	g/	g/	g/	g/	g/	13.0	14.2	14.3	15.2	...	356
361	Pottery,china etc	944	994	1056	1105	1022	1.7	1.9	2.3	2.2	...	361
362	Glass and products	242	240	247	259	205	9.7	9.5	9.1	10.4	...	362
369	Non-metal products n.e.c	-	-	-	-	...	35.7	36.7	39.1	40.8	...	369
371	Iron and steel	1970	1908	2008	2114	1970	i/ 52.5	i/ 48.0	i/ 51.0	i/ 58.0	...	371
372	Non-ferrous metals	2093	2135	2209	2202	2150	i/ 19.0	i/ 17.4	i/ 21.2	i/ 27.7	...	372
381	Metal products	549	555	598	630	662	51.0	50.1	56.7	61.8	...	381
382	Machinery n.e.c.	362	378	396	422	443	82.5	79.4	78.3	87.8	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	507	527	539	591	651	87.2	89.1	91.0	108.3	...	383
3832	Radio,television etc..	...	...	...	...	...	19.7	20.2	24.2	28.4	...	3832
384	Transport equipment	341	340	369	397	410	36.9	35.5	39.5	45.0	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	1.1	1.4	1.4	1.0	...	3841
3843	Motor vehicles	...	...	...	...	...	29.5	28.0	31.6	36.8	...	3843
385	Professional goods	-	-	-	...	...	5.3	5.2	5.3	5.2	...	385
390	Other industries	-	-	-	...	...	6.9	7.2	7.1	7.6	...	390
3	Manufacturing	h/j/ 15116	h/j/ 15670	h/j/ 16810	h/j/ 17269	h/j/ 16488	e/ 834.8	e/ 833.3	e/ 869.3	e/ 1076.2	...	3
410	Electricity,gas,steam ..	1894	2026	k/ 295	357	k/ 388	95.6	97.3	92.4	97.6	...	410
4101	Electricity	1632	1722	...	...	...	76.8	79.9	77.5	81.4	...	4101
420	Water works and supply .	98	96	96	93	100	3.0	3.2	3.3	3.4	...	420
4	Electricity,gas etc	1992	2122	k/ 391	k/ 450	k/ 488	98.7	100.5	95.8	101.0	...	4
2-4	All industry	j/ 17538	j/ 18219	j/k/ 17618	j/k/ 18118	j/k/ 17321	e/ 957.8	e/ 953.1	e/ 983.3	e/ 107.6	...	2-4

a/ Industry section only. Derived from data compiled by the Austrian Central Statistical Office.
b/ All establishments affiliated with the Industry Section of the Federal Economic Chamber and establishments with 20 or more employees of the "Gewerbesektion".
c/ Excluding value-added tax.
d/ Excluding major group 220.
e/ Including repair of footwear.
f/ Major group 342 is included in 341.
g/ Major groups 352, 355 and 356 are included in 351.
h/ Including major group 220.
i/ Non-ferrous metal foundries are included in major group 371.
j/ Including audiovision and film industry.
k/ Excluding electricity.

ISIC	INDUSTRY	11. VALUE ADDED IN PRODUCERS' PRICES a/b/c/ (BILLION SCHILLINGS)					12. GROSS FIXED CAPITAL FORMATION TOTAL a/d/ (BILLION SCHILLINGS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	1.55	1.35	1.16	0.99	...	0.20	0.16	0.19	0.12	...	210
220	Petroleum and gas	5.20	3.79	4.20	4.81	...	2.54	4.54	1.29	0.66	...	220
230	Metal ore mining	0.79	0.71	0.66	0.51	...	0.12	0.08	0.06	0.18	...	230
290	Other mining	1.95	2.07	1.71	2.05	...	0.45	0.50	0.65	0.60	...	290
2	Mining, quarrying .	9.49	7.92	7.73	8.35	...	3.31	5.28	2.19	1.56	...	2
311/2	Food products	22.42	23.56	22.81	23.72	...	3.71	4.07	4.54	5.26	...	311/2
313	Beverages	7.90	8.11	8.35	8.62	...	1.93	2.29	2.18	2.57	...	313
314	Tobacco	15.66	15.89	15.73	15.73	...	0.33	0.34	0.24	0.13	...	314
321	Textiles	13.30	13.12	13.50	14.00	...	2.27	2.09	2.17	2.57	...	321
3211	Spinning,weaving etc..	7.64	7.30	7.65	7.94	...	1.49	1.23	1.43	1.16	...	3211
322	Wearing apparel	6.40	6.25	6.06	5.90	...	0.62	0.62	0.42	0.41	...	322
323	Leather and products ...	0.77	0.81	0.82	0.89	...	0.09	0.12	0.11	0.09	...	323
324	Footwear ..... e/	2.95	2.68	2.35	2.19	...	0.31	0.22	0.22	0.21	...	324
331	Wood products	6.26	6.33	6.86	7.54	...	1.34	1.58	2.23	2.18	...	331
332	Furniture, fixtures	8.75	9.34	10.16	11.03	...	1.02	1.20	1.53	1.51	...	332
341	Paper and products	11.05	11.54	12.96	14.57	...	5.77	7.29	3.34	4.66	...	341
3411	Pulp,paper etc.	8.15	8.50	9.73	11.12	...	5.10	6.65	2.71	4.12	...	3411
342	Printing,publishing	11.14	11.49	11.75	12.71	...	1.51	1.59	1.85	1.81	...	342
351	Industrial chemicals ...	10.69	11.77	15.46	14.42	...	4.35	2.75	3.17	3.20	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	5.21	5.80	8.54	8.37	...	2.46	1.39	1.48	1.66	...	3513
352	Other chemical products.	8.85	9.34	10.77	11.45	...	2.31	2.55	2.60	3.18	...	352
3522	Drugs and medicines ..	3.58	3.94	5.15	5.52	...	1.50	1.64	1.52	2.12	...	3522
353	Petroleum refineries ...	6.50	8.80	5.86	6.52	...	0.99	1.36	1.18	1.05	...	353
354	Petroleum,coal products.	0.58	0.57	0.71	0.67	...	0.15	0.19	0.12	0.16	...	354
355	Rubber products	3.72	3.71	3.60	3.63	...	0.83	0.63	0.68	0.62	...	355
356	Plastic products n.e.c..	4.82	5.07	4.98	5.31	...	1.25	1.18	1.08	1.18	...	356
361	Pottery,china etc	0.95	1.06	1.16	1.23	...	0.10	0.09	0.19	0.18	...	361
362	Glass and products	4.81	4.87	4.81	5.41	...	0.99	0.78	1.33	1.01	...	362
369	Non-metal products n.e.c	13.68	14.49	15.15	15.83	...	2.52	2.91	2.95	3.22	...	369
371	Iron and steel ..... f/	18.76	16.97	22.51	25.31	...	2.92	1.64	3.94	3.87	...	371
372	Non-ferrous metals ..... f/	5.35	4.96	5.29	6.04	...	1.33	0.97	0.83	0.88	...	372
381	Metal products	21.38	20.78	24.47	26.22	...	2.67	3.07	3.44	3.67	...	381
382	Machinery n.e.c.	27.89	29.81	29.24	32.60	...	3.38	3.62	3.54	3.77	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	32.26	34.29	34.06	39.10	...	6.02	5.94	5.25	5.73	...	383
3832	Radio,television etc..	5.09	5.80	7.35	8.55	...	2.49	1.94	1.86	2.14	...	3832
384	Transport equipment	14.69	13.89	15.09	16.51	...	1.76	2.87	3.91	2.72	...	384
3841	Shipbuilding, repair..	0.52	0.63	0.68	0.44	...	0.04	0.13	0.06	0.05	...	3841
3843	Motor vehicles	11.47	10.77	12.00	13.36	...	1.46	2.44	3.51	2.18	...	3843
385	Professional goods	2.47	2.40	2.52	2.47	...	0.36	0.44	0.25	0.24	...	385
390	Other industries	2.79	2.85	2.92	3.11	...	0.32	0.36	0.34	0.34	...	390
3	Manufacturing ..... e/	286.78	294.76	310.07	332.73	...	51.17	52.73	53.65	56.41	...	3
410	Electricity,gas,steam ..	39.92	44.91	41.83	45.00	...	19.58	15.34	15.21	17.29	...	410
4101	Electricity	35.55	38.81	37.44	39.72	...	16.97	12.86	11.94	13.81	...	4101
420	Water works and supply .	2.07	2.20	2.27	2.33	...	1.04	1.21	1.20	1.17	...	420
4	Electricity,gas etc	41.99	47.11	44.11	47.33	...	20.62	16.55	16.41	18.46	...	4
2-4	All industry e/	338.26	349.79	361.91	388.42	...	75.11	74.56	72.25	76.43	...	2-4

a/ All establishments affiliated with the Industry Section of the Federal Economic Chamber and establishments with 20 or more employees of the "Gewerbesektion".
b/ Net of non-industrial costs.
c/ Excluding value-added tax.
d/ The value of sales is not deducted.
e/ Including repair of footwear.
f/ Non-ferrous metal foundries are included in major group 371.

AUSTRIA

ISIC	INDUSTRY	13. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/b/ (BILLION SCHILLINGS)					14. VALUE OF STOCKS AT END OF PERIOD TOTAL a/ (BILLION SCHILLINGS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	0.16	0.12	0.16	0.07	...	0.40	0.43	0.40	0.35	...	210
220	Petroleum and gas	2.22	4.40	1.07	0.52	...	0.58	0.40	0.37	0.30	...	220
230	Metal ore mining	0.06	0.03	0.04	0.14	...	0.27	0.20	0.17	0.08	...	230
290	Other mining	0.24	0.23	0.30	0.34	...	0.36	0.37	0.36	0.36	...	290
2	Mining, quarrying .	2.68	4.78	1.57	1.07	...	1.61	1.40	1.29	1.09	...	2
311/2	Food products	2.21	2.47	2.72	3.16	...	9.06	8.54	8.89	8.70	...	311/2
313	Beverages	0.88	1.02	0.97	0.92	...	3.25	3.32	3.20	3.16	...	313
314	Tobacco	0.08	0.15	0.13	0.04	...	1.54	1.47	1.33	1.26	...	314
321	Textiles	1.63	1.46	1.53	1.76	...	7.57	7.11	7.44	7.61	...	321
3211	Spinning,weaving etc..	1.12	0.90	1.04	1.24	...	4.12	3.74	4.06	4.23	...	3211
322	Wearing apparel	0.26	0.25	0.25	0.25	...	2.84	2.76	2.67	2.66	...	322
323	Leather and products ...	0.06	0.08	0.07	0.05	...	0.56	0.55	0.54	0.61	...	323
324	Footwear ..... c/	0.20	0.14	0.16	0.15	...	1.46	1.39	1.39	1.32	...	324
331	Wood products	0.93	0.94	1.45	1.31	...	4.70	4.39	4.54	5.12	...	331
332	Furniture, fixtures	0.50	0.54	0.70	0.70	...	4.11	4.21	4.40	4.75	...	332
341	Paper and products	4.35	4.89	2.41	3.75	...	4.72	5.09	5.32	5.43	...	341
3411	Pulp,paper etc.	3.85	4.40	1.98	3.37	...	3.75	4.06	4.18	4.23	...	3411
342	Printing,publishing	1.12	1.19	1.34	1.30	...	1.72	1.78	1.94	2.05	...	342
351	Industrial chemicals ...	3.09	1.96	1.80	2.34	...	5.57	4.67	5.65	6.05	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	1.77	1.02	1.03	1.21	...	2.58	2.47	3.30	3.54	...	3513
352	Other chemical products.	1.51	1.46	1.32	1.66	...	5.38	5.73	5.92	6.61	...	352
3522	Drugs and medicines ..	1.08	0.98	0.78	1.05	...	2.53	3.01	3.02	3.46	...	3522
353	Petroleum refineries ...	0.68	1.00	0.74	0.79	...	3.62	3.64	3.05	3.78	...	353
354	Petroleum,coal products.	0.12	0.10	0.07	0.11	...	0.15	0.16	0.19	0.20	...	354
355	Rubber products	0.54	0.47	0.56	0.54	...	1.33	1.35	1.33	1.40	...	355
356	Plastic products n.e.c..	0.90	0.81	0.76	0.77	...	1.78	1.95	1.89	1.92	...	356
361	Pottery,china etc	0.05	0.06	0.12	0.09	...	0.42	0.42	0.45	0.47	...	361
362	Glass and products	0.79	0.61	1.02	0.73	...	1.61	1.58	1.56	1.55	...	362
369	Non-metal products n.e.c	1.67	1.78	1.79	2.03	...	5.18	5.05	5.25	5.54	...	369
371	Iron and steel ..... d/	2.37	1.10	3.25	3.26	...	11.66	9.68	9.58	11.47	...	371
372	Non-ferrous metals ..... d/	1.08	0.77	0.64	0.65	...	4.20	3.60	3.43	4.07	...	372
381	Metal products	1.75	2.09	2.28	2.43	...	13.66	12.43	12.41	13.59	...	381
382	Machinery n.e.c.	2.11	2.13	2.20	2.39	...	22.99	21.80	18.53	21.25	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	4.30	4.05	3.87	3.82	...	16.74	16.15	17.37	18.96	...	383
3832	Radio,television etc..	1.87	1.61	1.69	1.34	...	2.55	2.38	3.24	2.89	...	3832
384	Transport equipment	1.16	1.54	2.89	2.10	...	10.51	9.62	9.26	10.11	...	384
3841	Shipbuilding, repair..	0.03	0.07	0.04	0.03	...	0.46	0.49	0.29	0.49	...	3841
3843	Motor vehicles	0.96	1.26	2.60	1.73	...	8.46	7.61	7.36	7.68	...	3843
385	Professional goods	0.22	0.22	0.17	0.17	...	1.22	1.11	1.10	1.05	...	385
390	Other industries	0.25	0.25	0.25	0.24	...	1.40	1.45	1.64	1.68	...	390
3	Manufacturing ..... c/	34.80	33.53	35.44	37.53	...	148.94	141.01	140.17	152.36	...	3
410	Electricity,gas,steam ..	13.34	9.80	9.71	11.15	...	6.91	6.17	5.86	5.67	...	410
4101	Electricity	11.82	8.39	7.81	9.01	...	4.18	3.84	3.93	3.89	...	4101
420	Water works and supply .	0.13	0.12	0.14	0.16	...	0.13	0.12	0.12	0.14	...	420
4	Electricity,gas etc	13.47	9.92	9.85	11.31	...	7.04	6.29	5.99	5.82	...	4
2-4	All industry c/	50.95	48.23	46.86	49.91	...	157.59	148.70	147.45	159.27	...	2-4

a/ All establishments affiliated with the Industry Section of the Federal Economic Chamber and establishments with 20 or more employees of the "Gewerbesektion".
b/ The value of sales is not deducted.
c/ Including repair of footwear.
d/ Non-ferrous metal foundries are included in major group 371.

15. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining ..... b/	108	105	117	112	114	112	100	99	101	0.1	290
2	Mining, quarrying .	109	107	113	110	108	112	101	100	104	0.5	2
311/2	Food products	[107	108	109	113	116	116	118	125	136	3.9]	311/2
313	Beverages											313
314	Tobacco	102	102	98	105	101	99	94	95	98	-0.3	314
321	Textiles	91	86	89	91	91	86	90	94	98	-0.3	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	96	96	95	93	94	92	86	87	86	-1.9	322
323	Leather and products ...	[94	92	94	90	93	82	75	82	83	-2.3]	323
324	Footwear											324
331	Wood products	[94	95	96	100	104	108	114	125	138	4.1]	331
332	Furniture, fixtures											332
341	Paper and products	105	107	114	123	126	134	149	158	164	6.4	341
3411	Pulp,paper etc.	103	107	114	124	127	135	152	159	165	6.5	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... c/	97	106	123	118	115	120	134	139	141	4.4	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products c/	.	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines .	. .	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	101	96	96	94	92	92	98	100	101	0.1	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	90	96	100	97	99	100	106	110	111	1.3	361
362	Glass and products	100	104	111	127	134	138	136	138	167	6.6	362
369	Non-metal products n.e.c	...	...	...	...	...	...	...	...	...	...	369
371	Iron and steel ..... d/	90	93	103	104	98	96	105	112	110	1.2	371
372	Non-ferrous metals ..... d/	96	110	116	118	120	125	139	139	134	3.7	372
381	Metal products	96	103	113	120	122	122	134	145	150	5.2	381
382	Machinery n.e.c.	95	87	86	96	101	94	99	108	132	3.5	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	109	112	121	132	147	143	147	162	182	7.8	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	92	103	110	134	128	122	140	158	179	7.5	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	97	99	104	109	110	110	116	124	133	3.6	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	104	102	102	108	109	122	117	120	120	2.3	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry e/	98	99	104	109	110	112	116	123	132	3.5	2-4

a/ Annual growth rate 1982-1990.
b/ Excluding stone quarrying.
c/ Major group 352 is included in 351.
d/ Non-ferrous metal foundries are included in major group 371.
e/ Excluding gas and steam.

BAHAMAS

The information in the tables is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Department of Statistics, Nassau.

The data for 1986 are derived from the census of industrial establishments. The census covers all establishments known to be engaged in mining and quarrying, manufacturing and the production and distribution of electricity, gas and water.

The national industrial classification generally follows the present version of the ISIC. It should be noted that the detailed data for wages and salaries of employees at the three- and four- digit levels of the ISIC are based on the reply to the United Nations General Industrial Statistics Supplementary Questionnaire, in which data are supplied only at the four-digit levels. The concepts and definitions used are generally in accordance with the United Nations standards, although the following points should be noted:

Output is not adjusted for the cost of goods sold in the same condition as received.

Valuation of both output and value added is in producers' prices.

Related national publication:

Survey of Industry Report 1980, published by the Department of Statistics, Nassau.

ISIC	INDUSTRY	1. WAGES AND SALARIES OF EMPLOYEES (THOUSAND DOLLARS)					2. OUTPUT IN PRODUCERS' PRICES (MILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	5414	4490	...	...	...	16.7	12.2	...	...	...	2
311/2	Food products	7110	12547	...	...	...	35.9	46.5	...	...	...	311/2
313	Beverages	8071	10308	...	...	...	50.8	70.0	...	...	...	313
314	Tobacco	...	...	...	...	...	...	...	...	...	...	314
321	Textiles	251	132	...	...	...	0.7	0.4	...	...	...	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	1128	1551	...	...	...	3.3	2.4	...	...	...	322
323	Leather and products	48	-	...	...	...	0.1	-	...	...	...	323
324	Footwear	60	a/ 42	...	...	...	0.2	0.1	...	...	...	324
331	Wood products	...	-	...	...	...	...	...	...	...	...	331
332	Furniture, fixtures .... b/	1161	1875	...	...	...	5.5	5.5	...	...	...	332
341	Paper and products	...	a/ 197	...	...	...	...	1.0	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	4279	8564	...	...	...	9.0	17.3	...	...	...	342
351	Industrial chemicals ... c/	...	...	...	...	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	12636	7443	...	...	...	131.1	74.9	...	...	...	352
3522	Drugs and medicines	12150	7021	...	...	...	127.7	73.1	...	...	...	3522
353	Petroleum refineries ... c/	9203	a/ 10286	...	...	...	17.6	5.8	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.	293	301	...	...	...	1.2	1.3	...	...	...	356
361	Pottery,china etc	467	a/ 386	...	...	...	3.2	0.7	...	...	...	361
362	Glass and products	10	...	...	...	...	0.1	-	...	...	...	362
369	Non-metal products n.e.c	2776	a/ 3277	...	...	...	16.1	13.1	...	...	...	369
371	Iron and steel	1027	2184	...	...	...	3.8	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products ..... a/b/	26	...	...	...	...	...	...	...	...	...	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	a/ 254	1354	...	...	...	0.6	1.9	...	...	...	383
3832	Radio,television etc.	a/ 225	a/ 1014	...	...	...	0.4	0.7	...	...	...	3832
384	Transport equipment	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair.	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	184	...	...	...	...	...	...	...	...	385
390	Other industries	476	1381	...	...	...	2.2	5.8	...	...	...	390
3	Manufacturing	49643	62012	...	...	...	281.3	257.2	...	...	...	3
410	Electricity,gas,steam .. d/	19450	23178	...	...	...	104.8	105.2	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	6588	6133	...	...	...	22.2	31.2	...	...	...	420
4	Electricity,gas etc d/	26038	29311	...	...	...	127.0	136.4	...	...	...	4
2-4	All industry d/	81095	95813	...	...	...	425.0	405.8	...	...	...	2-4

a/ Value added is less than corresponding wages and salaries due to operating losses.
b/ Major group 332 includes ISIC 3812 (furniture and fixtures made of metal.
c/ Major group 351 is included in 353. d/ Excluding steam.

BAHAMAS

ISIC	INDUSTRY	3. VALUE ADDED IN PRODUCERS' PRICES (THOUSAND DOLLARS)					4. GROSS FIXED CAPITAL FORMATION TOTAL a/ (THOUSAND DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	8361	9963	...	...	...	2640	2063	...	...	...	2
311/2	Food products	19221	18205	...	...	...	4727	8800	...	...	...	311/2
313	Beverages	23991	41778	...	...	...	3428	2603	...	...	...	313
314	Tobacco	...	...	...	...	...	...	...	...	...	...	314
321	Textiles	390	224	...	...	...	445	-	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	2277	1880	...	...	...	129	26	...	...	...	322
323	Leather and products ...	93	-	...	...	...	50	...	...	...	...	323
324	Footwear	106	b/ 28	...	...	...	52	97	...	...	...	324
331	Wood products	...	...	...	...	...	...	...	...	...	...	331
332	Furniture, fixtures .... c/	2703	3739	...	...	...	627	1636	...	...	...	332
341	Paper and products	...	b/ 191	...	...	...	...	13	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	5663	12355	...	...	...	1553	5190	...	...	...	342
351	Industrial chemicals ... d/	...	...	...	...	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	45136	12026	...	...	...	6264	1933	...	...	...	352
3522	Drugs and medicines ..	42683	11243	...	...	...	5936	1925	...	...	...	3522
353	Petroleum refineries ... d/	13827	b/ -1959	...	...	...	244	579	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	1054	773	...	...	...	242	124	...	...	...	356
361	Pottery,china etc	2771	b/ 144	...	...	...	241	...	...	...	...	361
362	Glass and products	17	-	...	...	...	5	...	...	...	...	362
369	Non-metal products n.e.c	5818	b/ 257	...	...	...	2200	2106	...	...	...	369
371	Iron and steel	1660	6415	...	...	...	206	1262	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products ..... b/c/	-22	...	...	...	...	...	...	...	...	...	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	b/ 122	1272	...	...	...	40	42	...	...	...	383
3832	Radio,television etc..	b/ 69	b/ 414	...	...	...	40	42	...	...	...	3832
384	Transport equipment	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	422	...	...	...	...	...	...	...	...	385
390	Other industries	1108	2755	...	...	...	455	904	...	...	...	390
3	Manufacturing	125965	100505	...	...	...	20908	25315	...	...	...	3
410	Electricity,gas,steam .. e/	46819	65028	...	...	...	3050	8820	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	9366	20162	...	...	...	3496	9448	...	...	...	420
4	Electricity,gas etc e/	56185	85190	...	...	...	6546	18268	...	...	...	4
2-4	All industry e/	190511	195658	...	...	...	30094	45646	...	...	...	2-4

a/ Investment in new fixed assets only.
b/ Value added is less than corresponding wages and salaries due to operating losses.
c/ Major group 332 includes ISIC 3812 (furniture and fixtures made of metal.
d/ Major group 351 is included in 353. e/ Excluding steam.

BANGLADESH

The information in the tables, except for the indices, is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Bangladesh Bureau of Statistics (BBS) Statistics Division, Ministry of Planning, Dhaka.

The data are derived from the Annual Census of Manufacturing Industries taken by the BBS, Statistics Division. The Census covers registered establishments which employ 10 or more persons engaged. However, the data have been adjusted to cover all establishments. Hand-loom weaving is out of the scope of the inquiry. The Census is carried out by mail and by personal visit.

The Bangladesh Standard Industrial Classification (BSIC) scheme generally follows the present version of the ISIC, with certain modifications to suit local needs and conditions, except that the repair of mechanically propelled vehicles, watches and clocks (ISIC major division 9) is included in ISIC 384 and 390 respectively. For 1988, some adjustments were made to BSIC data to reflect better correspondence to the ISIC. As a result, the data may not be comparable with those of the preceding years. The concepts and definitions used are generally in accordance with the United Nations standards, although the following points should be noted:

Reference period is the fiscal year from 1 July to 30 June of the year indicated.

Employees and operatives include persons employed through labour contractors.

Wages and salaries include payments made to labour contractors.

Output and value added refer to census output and census value added, respectively. Both are valued at producers' prices.

The indices of industrial production are compiled by the BBS, Statistics Division, Ministry of Planning. The indices cover about 97.4 percent of the total value added by manufacturing for 1981-1982.

Related national publications:

Census of Manufacturing Industries in Bangladesh (annual); Statistical Yearbook of Bangladesh, both published by the BBS, Statistics Division, Ministry of Planning, Dhaka.

BANGLADESH

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/b/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	627	634	638	...	...	49.70	53.09	56.50	...	...	311/2
313	Beverages	6	6	6	...	...	0.70	0.70	0.91	...	...	313
314	Tobacco	25	22	23	...	...	6.30	5.50	6.47	...	...	314
321	Textiles	2048	2057	2316	...	...	310.10	312.16	310.51	...	...	321
3211	Spinning,weaving etc..	183	189	2047	...	...	261.20	261.53	302.82	...	...	3211
322	Wearing apparel	44	79	84	...	...	11.20	17.00	21.56	...	...	322
323	Leather and products ...	140	136	132	...	...	4.40	4.41	4.99	...	...	323
324	Footwear	5	5	5	...	...	1.40	1.73	1.73	...	...	324
331	Wood products	33	32	32	...	...	2.30	2.29	2.06	...	...	331
332	Furniture, fixtures	18	17	18	...	...	1.40	1.25	1.39	...	...	332
341	Paper and products	28	28	28	...	...	9.30	9.69	10.64	...	...	341
3411	Pulp,paper etc.	5	5	5	...	...	7.80	8.12	9.25	...	...	3411
342	Printing,publishing	182	179	180	...	...	7.90	7.91	7.77	...	...	342
351	Industrial chemicals ...	24	25	167	...	...	7.00	8.55	22.73	...	...	351
3511	Basic excl fertilizers	7	7	142	...	...	0.69	0.68	13.54	...	...	3511
3513	Synthetic resins etc .	7	-	...	...	...	1.50	-	...	...	...	3513
352	Other chemical products.	404	404	263	...	...	29.50	29.65	18.05	...	...	352
3522	Drugs and medicines ..	188	186	44	...	...	15.60	15.37	1.95	...	...	3522
353	Petroleum refineries ...	1	1	1	...	...	0.60	0.60	0.61	...	...	353
354	Petroleum,coal products.	13	13	13	...	...	0.20	0.25	0.26	...	...	354
355	Rubber products	34	34	35	...	...	1.40	1.38	1.49	...	...	355
356	Plastic products n.e.c..	45	44	43	...	...	1.60	1.62	1.65	...	...	356
361	Pottery,china etc	6	7	7	...	...	1.90	2.46	2.50	...	...	361
362	Glass and products	35	32	32	...	...	2.00	2.03	2.12	...	...	362
369	Non-metal products n.e.c	19	20	21	...	...	2.90	2.89	2.96	...	...	369
371	Iron and steel	62	16	60	...	...	11.90	11.61	10.77	...	...	371
372	Non-ferrous metals	-	-	2	...	...	-	-	0.52	...	...	372
381	Metal products	326	330	332	...	...	11.20	11.64	12.23	...	...	381
382	Machinery n.e.c.	125	127	125	...	...	6.40	6.43	6.74	...	...	382
3825	Office,computing etc..	-	-	...	...	...	-	-	...	...	...	3825
383	Electrical machinery ...	75	80	82	...	...	8.30	8.08	8.39	...	...	383
3832	Radio,television etc..	17	20	21	...	...	2.00	2.20	2.23	...	...	3832
384	Transport equipment	44	46	48	...	...	4.50	4.46	4.60	...	...	384
3841	Shipbuilding, repair..	9	10	10	...	...	2.40	2.27	2.17	...	...	3841
3843	Motor vehicles	8	8	9	...	...	1.10	1.03	1.08	...	...	3843
385	Professional goods	6	6	7	...	...	0.07	-	0.10	...	...	385
390	Other industries	98	104	93	...	...	3.61	3.60	3.61	...	...	390
3	Manufacturing ..... c/d/	4473	4519	4793	...	...	497.60	510.88	523.87	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Twelve months ending 30 June of the year indicated.
b/ Reporting establishments.
c/ Including some repair services; see country note.
d/ For certain differences in classification, see country note.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION TAKA)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	46.00	48.50	51.13	...	...	687	925	1073	...	...	311/2
313	Beverages	0.60	0.65	0.75	...	...	13	14	18	...	...	313
314	Tobacco	5.50	5.15	5.39	...	...	170	177	193	...	...	314
321	Textiles	293.90	296.99	297.20	...	...	5135	5830	6227	...	...	321
3211	Spinning,weaving etc..	251.80	253.60	290.00	...	...	4700	5371	6115	...	...	3211
322	Wearing apparel	11.00	16.23	20.52	...	...	113	172	195	...	...	322
323	Leather and products ...	4.00	4.06	4.67	...	...	60	67	84	...	...	323
324	Footwear	1.40	1.73	1.72	...	...	124	64	75	...	...	324
331	Wood products	2.20	2.16	1.81	...	...	45	46	48	...	...	331
332	Furniture, fixtures	1.40	1.18	1.30	...	...	26	23	30	...	...	332
341	Paper and products	9.00	8.95	9.57	...	...	281	305	329	...	...	341
3411	Pulp,paper etc.	7.80	7.71	8.22	...	...	261	282	301	...	...	3411
342	Printing,publishing	7.60	7.60	7.44	...	...	124	134	155	...	...	342
351	Industrial chemicals ...	6.70	7.61	20.89	...	...	279	343	838	...	...	351
3511	Basic excl fertilizers	0.66	0.68	13.10	...	...	4	5	432	...	...	3511
3513	Synthetic resins etc .	1.40	-	...	...	...	65	-	...	...	...	3513
352	Other chemical products.	26.55	25.59	13.85	...	...	689	750	402	...	...	352
3522	Drugs and medicines ..	15.06	14.78	1.86	...	...	403	443	25	...	...	3522
353	Petroleum refineries ...	0.60	0.60	0.60	...	...	33	59	65	...	...	353
354	Petroleum,coal products.	0.20	0.23	0.23	...	...	3	4	6	...	...	354
355	Rubber products	1.40	1.33	1.32	...	...	19	20	21	...	...	355
356	Plastic products n.e.c..	1.50	1.48	1.50	...	...	20	22	26	...	...	356
361	Pottery,china etc	1.70	2.20	2.26	...	...	22	28	38	...	...	361
362	Glass and products	1.90	1.83	1.81	...	...	33	33	41	...	...	362
369	Non-metal products n.e.c	2.80	2.66	2.90	...	...	62	69	79	...	...	369
371	Iron and steel	9.70	9.58	9.20	...	...	298	321	335	...	...	371
372	Non-ferrous metals	-	-	0.44	...	...	-	-	11	...	...	372
381	Metal products	10.30	10.68	11.17	...	...	151	170	195	...	...	381
382	Machinery n.e.c.	6.20	6.19	6.54	...	...	117	130	147	...	...	382
3825	Office,computing etc..	-	-	...	...	...	-	-	...	...	...	3825
383	Electrical machinery ...	8.00	7.89	8.16	...	...	221	221	238	...	...	383
3832	Radio,television etc..	2.00	2.17	2.19	...	...	65	74	75	...	...	3832
384	Transport equipment	4.30	4.29	4.28	...	...	128	130	154	...	...	384
3841	Shipbuilding, repair..	2.30	2.22	2.13	...	...	72	70	81	...	...	3841
3843	Motor vehicles	1.10	1.03	1.06	...	...	36	39	49	...	...	3843
385	Professional goods	0.07	0.07	0.10	...	...	1	1	...	...	...	385
390	Other industries	2.91	3.00	2.79	...	...	34	40	39	...	...	390
3	Manufacturing ..... b/c/	466.64	478.70	489.50	...	...	8888	10101	11060	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Twelve months ending 30 June of the year indicated.
b/ Including some repair services; see country note.
c/ For certain differences in classification, see country note.

BANGLADESH

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES a/ (MILLION TAKA)					6. AVERAGE NUMBER OF OPERATIVES a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	17.5	305.3	386.6	...	...	30.1	32.3	33.9	...	...	311/2
313	Beverages	0.3	6.0	6.0	...	...	0.3	0.2	0.3	...	...	313
314	Tobacco	1.1	20.3	25.6	...	...	4.6	4.3	4.6	...	...	314
321	Textiles	496.1	2316.9	2494.9	...	...	250.8	254.1	254.3	...	...	321
3211	Spinning,weaving etc..	489.5	2291.8	2140.0	...	...	213.5	215.3	248.6	...	...	3211
322	Wearing apparel	0.3	6.3	4.8	...	...	10.1	15.5	19.2	...	...	322
323	Leather and products ...	0.3	6.4	6.8	...	...	3.1	3.1	3.7	...	...	323
324	Footwear	5.5	37.6	35.3	...	...	0.8	1.1	1.1	...	...	324
331	Wood products	0.8	18.2	16.5	...	...	1.5	1.5	1.3	...	...	331
332	Furniture, fixtures	0.9	5.1	6.5	...	...	1.0	1.0	1.0	...	...	332
341	Paper and products	14.8	175.7	190.6	...	...	5.8	5.9	6.4	...	...	341
3411	Pulp,paper etc.	14.8	171.5	185.1	...	...	4.6	4.7	5.2	...	...	3411
342	Printing,publishing	3.5	18.0	22.9	...	...	5.6	5.6	5.5	...	...	342
351	Industrial chemicals ...	17.3	117.5	285.2	...	...	3.5	4.2	10.4	...	...	351
3511	Basic excl fertilizers	0.1	0.5	172.1	...	...	0.2	0.2	6.1	...	...	3511
3513	Synthetic resins etc .	-	-	...	...	...	0.9	-	...	...	...	3513
352	Other chemical products.	29.0	238.3	125.8	...	...	14.8	14.8	8.9	...	...	352
3522	Drugs and medicines ..	17.9	143.4	4.1	...	...	6.9	7.0	...	...	...	3522
353	Petroleum refineries ...	-	43.4	48.8	...	...	0.5	0.5	0.5	...	...	353
354	Petroleum,coal products.	-	1.3	2.4	...	...	0.2	0.2	0.2	...	...	354
355	Rubber products	0.2	5.5	4.7	...	...	1.1	1.1	1.0	...	...	355
356	Plastic products n.e.c..	0.3	6.1	7.8	...	...	1.1	1.1	1.2	...	...	356
361	Pottery,china etc	0.3	3.2	3.8	...	...	1.3	1.7	1.8	...	...	361
362	Glass and products	0.3	10.7	12.0	...	...	1.5	1.4	1.4	...	...	362
369	Non-metal products n.e.c	4.3	34.6	34.3	...	...	1.9	1.7	1.9	...	...	369
371	Iron and steel	3.9	127.6	138.2	...	...	7.2	7.2	6.8	...	...	371
372	Non-ferrous metals	-	-	5.1	...	...	-	-	0.3	...	...	372
381	Metal products	2.8	36.6	45.5	...	...	8.3	8.8	9.2	...	...	381
382	Machinery n.e.c.	0.7	7.5	7.2	...	...	4.3	4.4	4.7	...	...	382
3825	Office,computing etc..	-	-	...	...	...	-	-	...	...	...	3825
383	Electrical machinery ...	15.4	29.1	12.9	...	...	5.1	5.2	5.4	...	...	383
3832	Radio,television etc..	4.1	5.8	0.1	...	...	0.9	0.9	1.0	...	...	3832
384	Transport equipment	6.5	34.1	73.8	...	...	2.7	2.6	2.7	...	...	384
3841	Shipbuilding, repair..	6.1	26.9	37.0	...	...	1.5	1.4	1.4	...	...	3841
3843	Motor vehicles	-	0.5	30.0	...	...	0.5	0.5	0.5	...	...	3843
385	Professional goods	-	-	[4.9]	...	...	[2.2	2.2	3.0]	...	...	385
390	Other industries	0.3	7.5		...	...				...	...	390
3	Manufacturing ..... b/c/	622.4	3618.8	4008.9	...	...	369.4	381.7	390.7	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Twelve months ending 30 June of the year indicated. b/ Including some repair services; see country note.
c/ For certain differences in classification, see country note.

ISIC	INDUSTRY	7. WAGES AND SALARIES OF OPERATIVES a/ (MILLION TAKA)					8. DAYS WORKED BY OPERATIVES a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	349.1	497.6	570.9	...	...	7632	8454	8831	...	...	311/2
313	Beverages	5.9	6.0	6.7	...	...	69	78	94	...	...	313
314	Tobacco	150.9	148.3	169.2	...	...	1330	1242	1275	...	...	314
321	Textiles	4019.4	4662.5	4951.8	...	...	71872	73297	74100	...	...	321
3211	Spinning,weaving etc..	3670.5	4285.6	4872.1	...	...	61323	62444	56255	...	...	3211
322	Wearing apparel	93.3	147.5	167.4	...	...	2858	4369	5546	...	...	322
323	Leather and products ...	37.0	42.8	53.4	...	...	885	882	1055	...	...	323
324	Footwear	20.1	35.8	37.5	...	...	234	324	324	...	...	324
331	Wood products	27.1	27.0	30.1	...	...	399	411	349	...	...	331
332	Furniture, fixtures	19.1	16.9	21.4	...	...	297	271	304	...	...	332
341	Paper and products	155.2	169.5	191.9	...	...	1308	1263	1863	...	...	341
3411	Pulp,paper etc.	141.1	151.7	169.8	...	...	986	921	1517	...	...	3411
342	Printing,publishing	82.9	88.4	104.4	...	...	1556	1701	1653	...	...	342
351	Industrial chemicals ...	135.7	168.6	345.3	...	...	973	1254	2912	...	...	351
3511	Basic excl fertilizers	2.8	2.7	168.1	...	...	52	51	1637	...	...	3511
3513	Synthetic resins etc .	46.3	-	...	...	...	260	-	...	...	...	3513
352	Other chemical products.	326.1	350.6	232.1	...	...	4212	4115	2774	...	...	352
3522	Drugs and medicines ..	151.3	159.2	9.1	...	...	1931	1878	264	...	...	3522
353	Petroleum refineries ...	25.8	36.3	40.3	...	...	138	154	137	...	...	353
354	Petroleum,coal products.	1.9	2.4	3.6	...	...	39	43	46	...	...	354
355	Rubber products	13.6	14.2	13.6	...	...	297	281	291	...	...	355
356	Plastic products n.e.c..	11.5	13.2	14.9	...	...	317	331	339	...	...	356
361	Pottery,china etc	14.9	18.5	25.7	...	...	361	484	501	...	...	361
362	Glass and products	20.6	19.4	24.5	...	...	396	378	382	...	...	362
369	Non-metal products n.e.c	34.9	37.5	40.5	...	...	524	494	551	...	...	369
371	Iron and steel	225.3	250.8	248.9	...	...	1943	1993	1871	...	...	371
372	Non-ferrous metals	-	-	4.9	...	...	-	-	71	...	...	372
381	Metal products	106.2	120.9	136.4	...	...	2366	2510	2615	...	...	381
382	Machinery n.e.c.	63.7	65.2	71.2	...	...	1246	1260	1327	...	...	382
3825	Office,computing etc..	-	-	...	...	...	-	-	...	...	...	3825
383	Electrical machinery ...	110.7	112.2	121.0	...	...	1452	1337	1393	...	...	383
3832	Radio,television etc..	20.5	25.9	26.1	...	...	242	296	293	...	...	3832
384	Transport equipment	72.3	62.3	81.6	...	...	768	750	730	...	...	384
3841	Shipbuilding, repair..	40.5	38.1	44.1	...	...	450	421	410	...	...	3841
3843	Motor vehicles	21.6	12.5	25.5	...	...	135	134	116	...	...	3843
385	Professional goods	[20.8	24.5	22.9]	...	...	[576	577	568]	...	...	385
390	Other industries				...	...				...	...	390
3	Manufacturing ..... b/c/	6144.0	7139.0	7732.1	...	...	104048	108253	111902	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Twelve months ending 30 June of the year indicated.
b/ Including some repair services; see country note.
c/ For certain differences in classification, see country note.

BANGLADESH

ISIC	INDUSTRY	9. QUANTITY OF ELECTRICITY CONSUMED a/ (MILLION KWH)					10. OUTPUT IN PRODUCERS' PRICES a/ (MILLION TAKA)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	70.7	78.7	76.7	...	...	8748	11454	12959	...	...	311/2
313	Beverages	1.4	1.4	0.7	...	...	187	213	217	...	...	313
314	Tobacco	5.8	5.3	8.2	...	...	5760	6545	4599	...	...	314
321	Textiles	434.6	476.0	544.0	...	...	21685	22252	24476	...	...	321
3211	Spinning,weaving etc..	392.0	431.8	495.4	...	...	18292	18451	23539	...	...	3211
322	Wearing apparel	2.1	4.2	5.6	...	...	794	1339	2195	...	...	322
323	Leather and products ...	6.0	6.2	5.7	...	...	3122	4191	4711	...	...	323
324	Footwear	1.0	0.7	0.8	...	...	680	698	883	...	...	324
331	Wood products	7.9	7.2	7.4	...	...	549	589	650	...	...	331
332	Furniture, fixtures	1.1	1.2	1.4	...	...	179	178	173	...	...	332
341	Paper and products	46.7	40.0	30.9	...	...	2533	2710	2846	...	...	341
3411	Pulp,paper etc.	44.4	37.5	29.0	...	...	2387	2530	2644	...	...	3411
342	Printing,publishing	4.4	4.4	4.0	...	...	643	666	700	...	...	342
351	Industrial chemicals ...	120.4	72.6	97.7	...	...	4629	5162	9104	...	...	351
3511	Basic excl fertilizers	-	-	10.6	...	...	40	43	3597	...	...	3511
3513	Synthetic resins etc .	24.3	-	...	...	...	639	-	...	...	...	3513
352	Other chemical products.	19.3	18.6	9.1	...	...	5961	6362	3515	...	...	352
3522	Drugs and medicines ..	7.2	9.9	0.4	...	...	3342	3577	137	...	...	3522
353	Petroleum refineries ...	2.0	1.8	1.4	...	...	7312	7990	8292	...	...	353
354	Petroleum,coal products.	-	-	...	...	...	242	319	294	...	...	354
355	Rubber products	2.4	2.5	3.8	...	...	160	190	202	...	...	355
356	Plastic products n.e.c..	2.5	2.7	2.8	...	...	383	441	487	...	...	356
361	Pottery,china etc	4.3	4.5	4.6	...	...	236	261	367	...	...	361
362	Glass and products	2.5	3.2	0.7	...	...	186	270	266	...	...	362
369	Non-metal products n.e.c	26.3	12.2	10.5	...	...	735	826	827	...	...	369
371	Iron and steel	66.5	59.6	50.1	...	...	4004	3942	3489	...	...	371
372	Non-ferrous metals	-	-	2.0	...	...	-	-	159	...	...	372
381	Metal products	11.1	11.3	12.7	...	...	1162	1397	1495	...	...	381
382	Machinery n.e.c.	9.2	9.2	3.2	...	...	945	1077	934	...	...	382
3825	Office,computing etc..	-	-	...	...	...	-	-	...	...	...	3825
383	Electrical machinery ...	11.0	12.3	12.2	...	...	2139	2561	2744	...	...	383
3832	Radio,television etc..	1.4	1.4	1.5	...	...	611	791	884	...	...	3832
384	Transport equipment	3.5	3.9	4.4	...	...	1052	1215	1326	...	...	384
3841	Shipbuilding, repair..	2.5	3.2	2.8	...	...	157	195	204	...	...	3841
3843	Motor vehicles	0.4	0.3	0.5	...	...	454	513	665	...	...	3843
385	Professional goods	[2.6	2.3	0.2]	...	...	4	5	8	...	...	385
390	Other industries				...	...	1453	1388	1264	...	...	390
3	Manufacturing ..... b/c/	865.3	842.0	902.6	...	...	75483	84216	89177	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Twelve months ending 30 June of the year indicated. b/ Including some repair services; see country note.
c/ For certain differences in classification, see country note.

ISIC	INDUSTRY	11. VALUE ADDED IN PRODUCERS' PRICES a/ (MILLION TAKA)					12. GROSS FIXED CAPITAL FORMATION TOTAL a/ (MILLION TAKA)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	2497	3170	3571	...	...	434.3	544.9	429.3	...	...	311/2
313	Beverages	65	111	128	...	...	1.8	1.8	7.1	...	...	313
314	Tobacco	4338	4255	3192	...	...	56.6	28.0	117.3	...	...	314
321	Textiles	10045	10659	11019	...	...	558.0	615.3	507.2	...	...	321
3211	Spinning,weaving etc..	9105	9547	10682	...	...	517.0	553.6	475.1	...	...	3211
322	Wearing apparel	215	348	566	...	...	9.3	11.7	22.3	...	...	322
323	Leather and products ...	621	521	569	...	...	77.5	129.5	139.5	...	...	323
324	Footwear	393	391	480	...	...	16.6	10.9	341.6	...	...	324
331	Wood products	229	243	276	...	...	129.7	4.5	7.3	...	...	331
332	Furniture, fixtures	74	85	70	...	...	3.5	0.2	1.3	...	...	332
341	Paper and products	869	651	856	...	...	103.2	324.1	272.9	...	...	341
3411	Pulp,paper etc.	820	592	777	...	...	100.0	316.4	268.1	...	...	3411
342	Printing,publishing	240	261	296	...	...	33.4	19.8	36.2	...	...	342
351	Industrial chemicals ...	2219	2483	4176	...	...	2145.0	1469.5	526.4	...	...	351
3511	Basic excl fertilizers	13	14	1723	...	...	2.4	0.3	141.0	...	...	3511
3513	Synthetic resins etc .	292	-	...	...	...	163.9	-	...	...	...	3513
352	Other chemical products.	2773	2952	1498	...	...	193.6	285.6	269.4	...	...	352
3522	Drugs and medicines ..	1711	1757	70	...	...	164.2	195.2	1.4	...	...	3522
353	Petroleum refineries ...	1788	1931	1605	...	...	89.8	101.2	136.0	...	...	353
354	Petroleum,coal products.	74	87	170	...	...	0.8	3.2	3.9	...	...	354
355	Rubber products	55	60	70	...	...	4.2	16.9	1.2	...	...	355
356	Plastic products n.e.c..	92	112	142	...	...	8.1	12.9	9.1	...	...	356
361	Pottery,china etc	117	101	166	...	...	10.7	9.9	11.7	...	...	361
362	Glass and products	79	135	140	...	...	25.9	193.5	18.0	...	...	362
369	Non-metal products n.e.c	194	271	307	...	...	17.4	384.7	22.6	...	...	369
371	Iron and steel	626	966	874	...	...	76.1	231.1	44.6	...	...	371
372	Non-ferrous metals	-	-	55	...	...	-	-	0.8	...	...	372
381	Metal products	391	431	468	...	...	113.4	31.4	27.4	...	...	381
382	Machinery n.e.c.	332	442	305	...	...	61.6	22.2	7.2	...	...	382
3825	Office,computing etc..	1	-	...	...	...	-	-	...	...	...	3825
383	Electrical machinery ...	770	659	834	...	...	17.7	48.2	37.3	...	...	383
3832	Radio,television etc..	184	141	303	...	...	7.6	15.3	4.9	...	...	3832
384	Transport equipment	267	414	420	...	...	8.6	10.7	5.1	...	...	384
3841	Shipbuilding, repair..	57	120	97	...	...	2.2	6.5	0.3	...	...	3841
3843	Motor vehicles	147	134	240	...	...	4.4	1.7	4.0	...	...	3843
385	Professional goods	2	2	3	...	...	-	-	[42.9]	...	...	385
390	Other industries	202	222	288	...	...	3.4	6.8		...	...	390
3	Manufacturing ..... b/c/	29567	31954	32549	...	...	4200.2	4518.3	3045.8	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Twelve months ending 30 June of the year indicated. b/ Including some repair services; see country note.
c/ For certain differences in classification, see country note.

BANGLADESH

ISIC	INDUSTRY	13. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/ (MILLION TAKA)					14. VALUE OF STOCKS AT END OF PERIOD TOTAL a/ (MILLION TAKA)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	160.8	265.5	172.4	...	...	1989	2095	1896	...	...	311/2
313	Beverages	0.7	1.8	1.0	...	...	29	76	102	...	...	313
314	Tobacco	37.3	10.2	81.5	...	...	635	1512	729	...	...	314
321	Textiles	368.0	464.3	355.2	...	...	11508	9335	11851	...	...	321
3211	Spinning,weaving etc..	345.6	413.6	333.1	...	...	11055	8803	9479	...	...	3211
322	Wearing apparel	5.9	8.2	11.9	...	...	98	111	180	...	...	322
323	Leather and products ...	51.8	78.6	90.7	...	...	553	651	900	...	...	323
324	Footwear	7.6	6.7	195.3	...	...	85	388	189	...	...	324
331	Wood products	85.8	1.1	4.6	...	...	152	171	221	...	...	331
332	Furniture, fixtures	0.5	-	0.1	...	...	87	73	60	...	...	332
341	Paper and products	87.7	238.8	79.7	...	...	927	753	506	...	...	341
3411	Pulp,paper etc.	85.5	231.9	78.0	...	...	884	708	457	...	...	3411
342	Printing,publishing	22.9	11.3	31.9	...	...	87	81	84	...	...	342
351	Industrial chemicals ...	1771.5	1196.9	316.8	...	...	1885	3993	3849	...	...	351
3511	Basic excl fertilizers	0.5	0.3	75.0	...	...	5	8	996	...	...	3511
3513	Synthetic resins etc .	100.9	-	...	...	...	162	-	...	...	...	3513
352	Other chemical products.	116.8	175.1	149.5	...	...	1761	1926	1032	...	...	352
3522	Drugs and medicines ..	100.8	113.7	1.0	...	...	1099	1165	16	...	...	3522
353	Petroleum refineries ...	87.0	97.2	125.1	...	...	854	1660	877	...	...	353
354	Petroleum,coal products.	0.5	0.6	1.8	...	...	82	33	20	...	...	354
355	Rubber products	4.0	10.3	0.9	...	...	31	40	56	...	...	355
356	Plastic products n.e.c..	5.7	6.8	5.6	...	...	56	65	102	...	...	356
361	Pottery,china etc	8.9	7.6	5.0	...	...	64	84	131	...	...	361
362	Glass and products	15.7	142.2	13.5	...	...	55	54	57	...	...	362
369	Non-metal products n.e.c	9.1	236.7	13.3	...	...	181	253	228	...	...	369
371	Iron and steel	50.5	157.7	31.9	...	...	1691	2296	703	...	...	371
372	Non-ferrous metals	-	-	0.7	...	...	-	-	73	...	...	372
381	Metal products	101.6	27.1	18.4	...	...	307	361	361	...	...	381
382	Machinery n.e.c.	48.3	12.6	3.9	...	...	286	574	396	...	...	382
3825	Office,computing etc..	-	-	...	...	...	-	-	...	...	...	3825
383	Electrical machinery ...	4.8	23.4	17.2	...	...	615	978	652	...	...	383
3832	Radio,television etc..	0.8	0.2	...	...	...	193	139	133	...	...	3832
384	Transport equipment	2.3	5.7	0.7	...	...	788	445	639	...	...	384
3841	Shipbuilding, repair..	0.1	4.7	0.1	...	...	180	191	181	...	...	3841
3843	Motor vehicles	0.2	1.0	0.3	...	...	455	27	294	...	...	3843
385	Professional goods	-	-	[6.6]	...	...	-	-	[465]	...	...	385
390	Other industries	1.5	1.2		...	...	80	340		...	...	390
3	Manufacturing ..... b/c/	3057.2	3187.6	1734.8	...	...	24686	28348	26359	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Twelve months ending 30 June of the year indicated. b/ Including some repair services; see country note.
c/ For certain differences in classification, see country note.

15. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100) a/

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	b/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	144	166	189	214	251	295	312	336	346	16.8	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	134	156	178	199	236	277	295	316	332	16.2	2
311/2	Food products	114	102	100	106	132	140	136	181	188	8.2	311/2
313	Beverages	83	95	109	132	140	157	238	374	267	13.1	313
314	Tobacco	94	99	96	96	99	94	94	82	91	-1.2	314
321	Textiles	93	90	88	77	89	88	87	91	80	-2.8	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	...	...	...	...	...	...	...	...	...	...	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	103	115	124	160	167	178	176	203	218	10.2	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	100	184	182	206	193	299	334	336	319	15.6	351
3511	Basic excl fertilizers	101	176	122	138	138	113	106	103	85	-2.0	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	112	118	128	132	102	98	113	108	120	2.3	352
3522	Drugs and medicines ..	108	118	126	132	68	69	87	106	125	2.8	3522
353	Petroleum refineries ...	76	85	80	79	81	79	87	82	90	-1.3	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	122	135	136	144	153	149	112	115	92	-1.0	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	134	141	149	148	220	313	158	192	147	4.9	362
369	Non-metal products n.e.c	98	102	112	82	99	95	101	99	80	-2.8	369
371	Iron and steel	51	53	70	55	50	45	51	57	44	-9.8	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	...	...	...	...	...	...	...	...	...	...	381
382	Machinery n.e.c.	178	140	138	118	105	75	107	87	99	-0.1	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	76	96	117	120	120	112	130	145	111	1.3	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	47	79	121	125	76	81	62	99	90	-1.3	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	119	118	51	140	145	80	105	102	105	0.6	390
3	Manufacturing	97	107	122	126	144	145	148	166	166	6.5	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	130	149	172	180	210	246	285	305	326	15.9	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry d/	98	109	124	127	146	148	153	171	170	6.9	2-4

a/ Twelve months beginning 1 July of the year stated.
b/ Annual growth rate 1982-1990.
c/ Matches only.
d/ Excluding gas, steam, water works and supply.

BARBADOS

The information in the tables, except for the indices, is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Barbados Statistical Service, Bridgetown. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates are derived from the annual survey of industrial establishments conducted since 1972 by the Barbados Statistical Service. The survey covers on a complete enumeration basis all establishments engaged in mining and manufacturing. The inquiry is conducted by mail and field contact, if necessary. The response rate is reported to be approximately 75 per cent. In the tables, no adjustments are made for non-response.

The estimates are based on the present version of ISIC. However, in order to avoid disclosing confidential information, certain ISIC groups have been combined. It should be noted that manufacturing estimates do not include sugar manufacturing (ISIC 311/2).

The period of reference is, in general, the calendar year. Where only data for a financial year are available for certain establishments, such data are incorporated for the calendar year in which the major part of the financial year falls.

Employment numbers relate to averages of four quarters. Output is the value of gross receipts adjusted for inventory changes. Value added represents output less the cost of goods and services purchased during the year. In several instances, the estimates of wages and salaries of employees exceed the corresponding data for value added. This is because one or more relatively important establishments within the industry have been highly subsidized.

Gross fixed capital formation refers to the value of fixed assets acquired from others and produced on own account during the year less the value of sales of fixed assets during the year. Expenditures for current repair and maintenance are not included.

The indices of industrial production are compiled by the Barbados Statistical Service.

Related national publication:

Statistical Bulletin: Survey of Industrial Establishments (occasional), published by the Barbados Statistical Service, Bridgetown.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas ..... a/	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	-	-	-	-	...	-	-	-	-	...	230
290	Other mining ..... a/	6	5	5	3	...	162	206	210	174	...	290
2	Mining, quarrying .	6	5	5	3	...	162	206	210	174	...	2
311/2	Food products ..... b/	39	37	37	31	24	2281	2160	1763	1495	1518	311/2
313	Beverages	[12	11	11	10	8	770	712	750	622	557]	313
314	Tobacco											314
321	Textiles ..... c/	11	11	11	5	4	172	190	185	105	102	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	26	28	25	18	9	1720	1867	1793	1129	748	322
323	Leather and products ... c/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear ..... c/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	[34	31	22	22	17	582	490	390	356	232]	331
332	Furniture, fixtures											332
341	Paper and products ..... d/	23	25	24	13	13	970	1141	951	628	522	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... d/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... e/	21	18	17	14	12	430	402	373	318	300	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	11	9	10	5	5	217	233	254	161	199	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... e/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products ..... e/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. e/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	-	-	-	-	-	-	-	-	-	-	361
362	Glass and products	[14	13	11	10	8	668	625	729	559	178]	362
369	Non-metal products n.e.c											369
371	Iron and steel	-	-	-	-	-	-	-	-	-	-	371
372	Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	372
381	Metal products	21	19	18	11	9	596	603	852	423	339	381
382	Machinery n.e.c. ..... f/	12	12	11	2	4	1216	771	1024	45	225	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... f/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... g/	9	9	7	7	4	187	184	267	207	105	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods ..... g/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	9	8	6	7	3	106	141	85	317	117	390
3	Manufacturing ..... b/	243	231	210	155	120	9915	9519	9416	6365	5142	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Major group 220 is included in 290.
b/ Excluding sugar factories and refineries.
c/ Major groups 323 and 324 are included in 321.
d/ Major group 342 is included in 341.
e/ Major groups 353, 355 and 356 are included in 351.
f/ Major group 383 is included in 382.
g/ Major group 385 is included in 384.

BARBADOS

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES (NUMBER)					4. WAGES AND SALARIES OF EMPLOYEES (THOUSAND DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas ..... a/	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	-	-	-	-	...	-	-	-	-	...	230
290	Other mining ..... a/	162	206	210	174	...	4005	4364	5117	5271	...	290
2	Mining, quarrying .	162	206	210	174	...	4005	4364	5117	5271	...	2
311/2	Food products ..... b/	1417	2157	1749	1487	1511	33109	34573	36602	37503	36001	311/2
313	Beverages	[770	712	749	622	557	16538	17558	19016	16028	17019]	313
314	Tobacco											314
321	Textiles ..... c/	171	187	183	105	102	1579	1896	2103	1338	1045	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	1718	1866	1783	1127	745	15016	16904	17403	12492	d/ 8244	322
323	Leather and products ... c/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear ..... c/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	[569	484	381	353	222	6363	5575	4982	5819	3241]	331
332	Furniture, fixtures											332
341	Paper and products ..... e/	967	1138	949	622	515	16660	18806	19302	12949	11220	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... e/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... f/	429	400	372	317	299	9143	8866	10912	9757	10791	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	217	233	253	161	199	4441	4720	4093	2569	5231	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... f/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products ..... f/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. f/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	-	-	-	-	-	-	-	-	-	-	361
362	Glass and products	[667	623	729	558	173	d/ 12957	d/ 13144	d/ 14479	d/ 16293	7582]	362
369	Non-metal products n.e.c											369
371	Iron and steel	-	-	-	-	-	-	-	-	-	-	371
372	Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	372
381	Metal products	589	601	847	423	337	8926	9766	13054	10549	9362	381
382	Machinery n.e.c. ..... g/	1216	771	1018	45	225	24332	10423	12032	554	d/ 2712	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... g/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... h/	187	184	266	207	105	2567	2638	3149	3252	1362	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods ..... h/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	103	141	85	317	117	1080	d/ 1774	795	1828	d/ 1331	390
3	Manufacturing ..... b/	9021	9497	9364	6344	5107	152712	146649	157929	130937	115146	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Major group 220 is included in 290.
b/ Excluding sugar factories and refineries.
c/ Major groups 323 and 324 are included in 321.
d/ Value added is less than corresponding wages and salaries due to operating losses.
e/ Major group 342 is included in 341.
f/ Major groups 353, 355 and 356 are included in 351.
g/ Major group 383 is included in 382.
h/ Major group 385 is included in 384.

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES (NUMBER)					6. OUTPUT IN PRODUCERS' PRICES (THOUSAND DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas ..... a/	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	-	-	-	-	...	-	-	-	-	...	230
290	Other mining ..... a/	118	171	170	135	...	22083	26634	26484	30635	...	290
2	Mining, quarrying .	118	171	170	135	...	22083	26634	26484	30635	...	2
311/2	Food products ..... b/	929	1729	1222	1140	1194	229802	226302	242765	251401	252484	311/2
313	Beverages	[345	350	347	294	310	104660	109006	114583	92900	89076]	313
314	Tobacco											314
321	Textiles ..... c/	136	160	162	80	87	4924	6270	6726	4713	3337	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	1322	1588	1521	964	603	44249	43239	46378	28333	15331	322
323	Leather and products ... c/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear ..... c/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	[440	424	331	317	189	19225	18389	16732	17428	11703]	331
332	Furniture, fixtures											332
341	Paper and products ..... d/	448	805	708	422	389	58471	62558	71882	45198	48444	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... d/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... e/	251	246	223	208	167	156592	159951	171029	184547	208453	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	114	144	162	131	119	28493	33172	32020	24521	35554	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... e/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products ..... e/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. e/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	-	-	-	-	-	-	-	-	-	-	361
362	Glass and products	[360	440	404	290	97	49582	54439	60938	67572	32862]	362
369	Non-metal products n.e.c											369
371	Iron and steel	-	-	-	-	-	-	-	-	-	-	371
372	Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	372
381	Metal products	418	460	679	333	259	52082	57881	75472	61951	60245	381
382	Machinery n.e.c. ..... f/	884	638	878	41	198	69920	45570	46214	3325	8781	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... f/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... g/	143	145	234	194	86	9959	10364	13454	14943	4210	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods ..... g/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	50	91	42	154	67	4539	4162	3720	3716	2863	390
3	Manufacturing ..... b/	5841	7220	6913	4568	3765	832497	831308	901917	800555	773349	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Major group 220 is included in 290.
b/ Excluding sugar factories and refineries.
c/ Major groups 323 and 324 are included in 321.
d/ Major group 342 is included in 341.
e/ Major groups 353, 355 and 356 are included in 351.
f/ Major group 383 is included in 382.
g/ Major group 385 is included in 384.

BARBADOS

ISIC	INDUSTRY	7. VALUE ADDED IN PRODUCERS' PRICES a/ (THOUSAND DOLLARS) 1986	1987	1988	1989	1990	8. GROSS FIXED CAPITAL FORMATION TOTAL (THOUSAND DOLLARS) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	-	-	-	-	...	-	-	-	...	...	210
220	Petroleum and gas ..... b/	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	-	-	-	-	...	-	-	-	...	...	230
290	Other mining ..... b/	9850	13952	11384	14725	...	4429	653	2490	...	...	290
2	Mining, quarrying .	9850	13952	11384	14725	...	4429	653	2490	...	...	2
311/2	Food products ..... c/	58775	58986	60128	61938	59868	9696	9591	16323	...	...	311/2
313	Beverages	[31514	35616	38601	24708	22320	4357	3399	5731]	...	...	313
314	Tobacco									...	...	314
321	Textiles ..... d/	1640	2004	2139	1624	1379	657	164	416	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	17739	18897	20043	13968	e/ 8242	1176	926	743	...	...	322
323	Leather and products ... d/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear ..... d/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	[6828	6332	5770	5911	4195	576	196	214]	...	...	331
332	Furniture, fixtures									...	...	332
341	Paper and products ..... f/	20758	22595	24602	18937	17975	4977	6378	2285	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... f/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... g/	15998	15397	24894	16840	18628	2519	3823	3646	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	6167	7116	6851	4401	8273	4463	817	1330	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... g/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	...	...	354
355	Rubber products ..... g/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. g/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	-	-	-	-	-	-	-	-	...	...	361
362	Glass and products	[e/ -2019	e/ 8621	e/ 10040	e/ 13434	11434	2854	2380	1211]	...	...	362
369	Non-metal products n.e.c									...	...	369
371	Iron and steel	-	-	-	-	-	-	-	-	...	...	371
372	Non-ferrous metals	-	-	-	-	-	-	-	-	...	...	372
381	Metal products	14078	16357	20453	14752	16654	3552	1775	2460	...	...	381
382	Machinery n.e.c. ..... h/	36129	23584	19469	814	e/ 2467	1062	966	1153	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... h/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... i/	3560	3499	4543	4371	1650	226	73	121	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods ..... i/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	1488	e/ 1234	896	1851	e/ 926	1117	1503	420	...	...	390
3	Manufacturing ..... c/	212655	220245	238434	183553	174017	37232	31990	36053	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Net of non-industrial costs.
b/ Major group 220 is included in 290.
c/ Excluding sugar factories and refineries.
d/ Major groups 323 and 324 are included in 321.
e/ Value added is less than corresponding wages and salaries due to operating losses.
f/ Major group 342 is included in 341.
g/ Major groups 353, 355 and 356 are included in 351.
h/ Major group 383 is included in 382.
i/ Major group 385 is included in 384.

9. VALUE OF STOCKS AT END OF PERIOD
TOTAL
(THOUSAND DOLLARS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	-	-	-	-	...	210
220	Petroleum and gas ..... a/	...	...	...	...	...	220
230	Metal ore mining	-	-	-	-	...	230
290	Other mining ..... a/	238	457	581	288	...	290
2	Mining, quarrying .	238	457	581	288	...	2
311/2	Food products ..... b/	26791	31118	31519	37171	30553	311/2
313	Beverages	[20509	19626	19784	19164	17880]	313
314	Tobacco						314
321	Textiles ..... c/	1484	1354	1481	760	828	321
3211	Spinning,weaving etc..	...	...	...	...	...	3211
322	Wearing apparel	11305	10348	10529	4875	2753	322
323	Leather and products ... c/	...	...	...	...	...	323
324	Footwear ..... c/	...	...	...	...	...	324
331	Wood products	[3745	3071	3120	3541	2198]	331
332	Furniture, fixtures						332
341	Paper and products ..... d/	9624	9539	10201	8432	7640	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing .... d/	...	...	...	...	...	342
351	Industrial chemicals ... e/	9706	11855	11267	15102	10895	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	9092	8737	7509	6183	10600	352
3522	Drugs and medicines ..	...	...	...	...	...	3522
353	Petroleum refineries ... e/	...	...	...	..	...	353
354	Petroleum,coal products.	-	-	-	-	-	354
355	Rubber products ..... e/	...	...	...	...	...	355
356	Plastic products n.e.c.. e/	...	...	...	...	...	356
361	Pottery,china etc	-	-	-	-	-	361
362	Glass and products	[6686	9498	13348	13934	768]	362
369	Non-metal products n.e.c						369
371	Iron and steel	-	-	-	-	-	371
372	Non-ferrous metals	-	-	-	-	-	372
381	Metal products	9643	11507	15913	13907	11190	381
382	Machinery n.e.c. ..... f/	6825	9756	10873	568	2567	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ... f/	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	3832
384	Transport equipment .... g/	2558	1993	3056	3691	614	384
3841	Shipbuilding, repair..	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	3843
385	Professional goods ..... g/	...	...	...	...	...	385
390	Other industries	1586	1040	1353	1815	1737	390
3	Manufacturing ..... b/	119554	129447	139958	129149	100229	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	2-4

a/ Major group 220 is included in 290.
b/ Excluding sugar factories and refineries.
c/ Major groups 323 and 324 are included in 321.
d/ Major group 342 is included in 341.
e/ Major groups 353, 355 and 356 are included in 351.
f/ Major group 383 is included in 382.
g/ Major group 385 is included in 384.

BARBADOS

10. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	96	113	154	166	156	144	135	127	132	3.5	290
2	Mining, quarrying .	95	116	154	165	155	143	134	126	132	3.5	2
311/2	Food products	88	87	88	89	97	102	96	95	100	0.0	311/2
313	Beverages	89	88	81	81	81	88	90	94	107	0.8	313
314	Tobacco											314
321	Textiles	...	...	...	...	...	...	...	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	103	109	114	96	77	90	93	72	48	-8.8	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	...	...	...	...	...	...	...	...	...	...	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... b/	88	86	74	66	75	63	80	96	92	-1.0	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products, b/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	102	100	102	106	118	118	125	132	142	4.5	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc											361
362	Glass and products	96	80	74	83	108	124	134	144	134	3.7	362
369	Non-metal products n.e.c											369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	...	...	...	...	...	...	...	...	...	...	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	82	84	78	71	86	90	103	115	122	2.5	390
3	Manufacturing	89	92	92	87	92	87	91	99	99	-0.1	3
410	Electricity,gas,steam ..	102	118	124	132	140	145	157	162	164	6.4	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	93	97	100	97	102	97	102	107	109	1.1	2-4

a/ Annual growth rate 1982-1990.

b/ Major group 352 is included in 351.

BELIZE

The information in the tables is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Central Statistical Office, Ministry of Finance, Belmopan.

The data for manufacturing are derived from a new annual establishment survey. The response rate for the 1989 and 1990 data respresents about 60 percent of total employment but only 20 percent of total establishments. Data are not adjusted for non-response.

The concepts, definitions and classification by branches of industry are generally in accordance with the United Nations standards.

BELIZE

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF EMPLOYEES (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	...	...	...	19	21	...	...	...	1682	1589	311/2
313	Beverages	...	...	...	8	8	...	...	...	374	380	313
314	Tobacco	...	...	...	1	1	...	...	...	104	66	314
321	Textiles	...	...	...	...	...	...	...	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	4	4	...	...	...	561	507	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	...	...	...	5	5	...	...	...	236	225	331
332	Furniture, fixtures	...	...	...	10	11	...	...	...	33	34	332
341	Paper and products	...	...	...	1	1	...	...	...	36	40	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	3	4	...	...	...	17	34	342
351	Industrial chemicals ...	...	...	...	2	2	...	...	...	47	55	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	...	...	...	1	1	...	...	...	16	16	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	...	...	...	6	6	...	...	...	162	166	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	...	...	...	4	4	...	...	...	33	53	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	7	7	...	...	...	105	115	384
3841	Shipbuilding, repair..	...	...	...	2	2	...	...	...	7	7	3841
3843	Motor vehicles	...	...	...	4	4	...	...	...	33	38	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	1	2	...	...	...	1	2	390
3	Manufacturing	...	...	...	72	77	...	...	...	3407	3282	3
410	Electricity,gas,steam ..	...	...	...	1	1	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	1	1	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	2	2	...	...	...	...	688 a/	4
2-4	All industry b/	...	...	...	74	79	...	...	...	...	...	2-4

a/ Estimate taken from the 1991 census.

b/ Excluding mining and quarrying.

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES (THOUSAND DOLLARS)					4. OUTPUT IN PRODUCERS' PRICES (THOUSAND DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	...	...	...	17028	19129	...	...	...	141149	155250	311/2
313	Beverages	...	...	...	3218	3700	...	...	...	31304	34537	313
314	Tobacco	...	...	...	1092	1310	...	...	...	9416	9955	314
321	Textiles	...	...	...	...	...	...	...	...	...	...	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	3420	3447	...	...	...	29623	28986	322
323	Leather and products	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	...	...	...	524	794	...	...	...	4480	4540	331
332	Furniture, fixtures	...	...	...	84	215	...	...	...	917	1620	332
341	Paper and products	...	...	...	356	370	...	...	...	3073	2823	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	60	198	...	...	...	311	731	342
351	Industrial chemicals	...	...	...	401	473	...	...	...	9032	9922	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	...	...	...	-	123	...	...	...	400	760	352
3522	Drugs and medicines	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	...	...	...	794	942	...	...	...	6549	8665	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	...	...	...	201	306	...	...	...	2762	3421	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	523	798	...	...	...	10637	12715	384
3841	Shipbuilding, repair	...	...	...	38	48	...	...	...	614	744	3841
3843	Motor vehicles	...	...	...	61	185	...	...	...	286	552	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	-	-	...	...	...	7	14	390
3	Manufacturing	...	...	...	27701	31796	...	...	...	249659	273939	3
410	Electricity,gas,steam	...	...	...	6773	7406	...	...	...	31730	37125	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	...	...	...	3222	2764	...	...	...	7045	8179	420
4	Electricity,gas etc	...	...	...	9995	10170	...	...	...	38775	45304	4
2-4	All industry a/	...	...	...	37695	41966	...	...	...	288434	319243	2-4

a/ Excluding mining and quarrying.

BELIZE

5. VALUE ADDED IN PRODUCERS' PRICES

(THOUSAND DOLLARS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	2
311/2	Food products	...	...	...	46072	47165	311/2
313	Beverages	...	...	...	3272	341	313
314	Tobacco	...	...	...	2307	3194	314
321	Textiles	...	...	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	3686	5760	322
323	Leather and products ...	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	324
331	Wood products	...	...	...	1897	1148	331
332	Furniture, fixtures	...	...	...	401	603	332
341	Paper and products	...	...	...	1519	1734	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	173	289	342
351	Industrial chemicals ...	...	...	...	1041	935	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	...	...	...	400	433	352
3522	Drugs and medicines ..	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	355
356	Plastic products n.e.c..	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	362
369	Non-metal products n.e.c	...	...	...	4289	3343	369
371	Iron and steel	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	372
381	Metal products	...	...	...	980	944	381
382	Machinery n.e.c.	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	3832
384	Transport equipment	...	...	...	1468	1680	384
3841	Shipbuilding, repair..	...	...	...	68	68	3841
3843	Motor vehicles	...	...	...	220	270	3843
385	Professional goods	...	...	...	...	...	385
390	Other industries	...	...	...	7	13	390
3	Manufacturing	...	...	...	67512	67560	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	2-4

BOLIVIA

The information in the tables, except for the indices, is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Instituto Nacional de Estadística, Ministerio de Planeamiento y Coordinación, La Paz. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates refer to establishments with 20 or more persons engaged and all multi-establishment enterprises regardless of size. It is estimated that these large establishments account for 85 per cent of the output in manufacturing. The data include estimates for non-response. The estimates in the tables are tabulated according to the present version of ISIC. Numbers of persons engaged relate to persons employed on the permanent and temporary employment basis. Permanent workers are defined as those who work at least one-third of daily working hours for the establishment.

The indices of industrial production are compiled by the Instituto Nacional de Estadística. The indices provided by the national authorities are compiled according to the preceding version of ISIC. Wherever possible, adjustments have been incorporated to convert the data to the present version; owing to lack of detail, the conversion is not complete for all industries.

Related national publication:

Bolivia en Cifras (annual), published by the Instituto Nacional de Estadística, La Paz.

BOLIVIA

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS b/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/b/ (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	88	80	82	83	...	5777	5721	5577	5863	...	311/2
313	Beverages	32	34	37	38	...	...	3400	3667	3519	...	313
314	Tobacco	1	1	1	1	...	120	125	153	154	...	314
321	Textiles	42	36	39	37	...	3808	3322	3018	3059	...	321
3211	Spinning,weaving etc..	27	21	20	18	...	3117	2439	1987	2020	...	3211
322	Wearing apparel	20	7	9	9	...	763	403	291	379	...	322
323	Leather and products ...	13	11	14	12	...	526	514	564	819	...	323
324	Footwear	13	7	7	6	...	...	824	739	715	...	324
331	Wood products	46	37	28	34	...	1737	1955	1300	2011	...	331
332	Furniture, fixtures	18	13	11	8	...	368	333	357	329	...	332
341	Paper and products	6	7	4	3	...	841	318	255	218	...	341
3411	Pulp,paper etc.	1	2	1	1	...	23	72	20	19	...	3411
342	Printing,publishing	17	18	20	25	...	1072	1264	1464	1653	...	342
351	Industrial chemicals ...	6	6	9	7	...	132	174	215	221	...	351
3511	Basic excl fertilizers	5	4	6	6	...	114	123	156	191	...	3511
3513	Synthetic resins etc .	1	2	3	1	...	18	51	59	30	...	3513
352	Other chemical products	21	23	23	22	...	1328	1342	1375	1368	...	352
3522	Drugs and medicines	10	11	13	12	...	720	876	907	867	...	3522
353	Petroleum refineries ...	4	3	3	3	...	743	714	597	574	...	353
354	Petroleum,coal products.	-	-	-	...	...	-	-	-	...	...	354
355	Rubber products	3	1	1	1	...	40	24	28	28	...	355
356	Plastic products n.e.c..	10	15	24	26	...	...	775	950	1118	...	356
361	Pottery,china etc	2	-	1	...	...	62	-	15	...	...	361
362	Glass and products	5	4	3	3	...	520	552	403	371	...	362
369	Non-metal products n.e.c	28	29	28	28	...	1480	1570	...	1879	...	369
371	Iron and steel	1	2	2	1	...	40	59	43	63	...	371
372	Non-ferrous metals	4	2	4	3	...	1114	799	671	911	...	372
381	Metal products	19	22	24	27	...	516	588	690	808	...	381
382	Machinery n.e.c.	2	1	4	4	...	18	36	135	135	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	6	7	8	7	...	150	223	293	165	...	383
3832	Radio,television etc..	1	3	2	2	...	43	116	100	48	...	3832
384	Transport equipment	6	6	7	5	...	177	297	359	314	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	4	6	6	5	...	140	297	344	314	...	3843
385	Professional goods	2	4	4	2	...	79	91	136	71	...	385
390	Other industries	5	4	3	2	...	100	39	49	56	...	390
3	Manufacturing	420	380	400	397 c/	...	...	25462	23344 c/	26801 c/	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ For one period of the year indicated.
b/ Establishments with 20 or more persons engaged and all multi-establishment enterprises regardless of size.
c/ Estimated as sum of the given parts.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/b/ (NUMBER)					4. WAGES AND SALARIES OF EMPLOYEES b/ (TEN THOUSAND BOLIVIANOS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	5697	5647	5570	5771	...	1722	3674	4441	4566	...	311/2
313	Beverages	...	3379	3639	3501	...	1415	2982	3806	3477	...	313
314	Tobacco	120	125	153	154	...	27	52	93	87	...	314
321	Textiles	3789	3296	2980	2996	...	612	1317	1372	1246	...	321
3211	Spinning,weaving etc.	3103	2427	1959	1990	...	512	1008	982	822	...	3211
322	Wearing apparel	745	401	263	372	...	140	126	131	123	...	322
323	Leather and products	514	493	506	805	...	...	319	269	282	...	323
324	Footwear	...	811	731	702	...	341	571	700	431	...	324
331	Wood products	1713	1928	1251	1963	...	265	1264	606	973	...	331
332	Furniture, fixtures	343	314	342	314	...	41	106	118	90	...	332
341	Paper and products	828	318	255	218	...	...	174	107	102	...	341
3411	Pulp,paper etc.	23	72	20	19	...	...	49	28	31	...	3411
342	Printing,publishing	1053	1254	1426	1618	...	248	831	1173	1213	...	342
351	Industrial chemicals	131	164	211	221	...	32	85	141	179	...	351
3511	Basic excl fertilizers	113	118	155	191	...	30	71	120	163	...	3511
3513	Synthetic resins etc	18	46	56	30	...	...	14	21	18	...	3513
352	Other chemical products	1316	1323	1355	1348	...	473	1051	1314	1036	...	352
3522	Drugs and medicines	717	868	894	857	...	310	729	924	859	...	3522
353	Petroleum refineries	743	714	597	574	...	512	924	1434	1024	...	353
354	Petroleum,coal products	-	-	-	...	...	-	-	-	...	...	354
355	Rubber products	20	20	24	28	...	7	9	7	8	...	355
356	Plastic products n.e.c.	576	767	934	1118	...	144	...	537	591	...	356
361	Pottery,china etc	60	-	15	...	...	...	-	4	...	...	361
362	Glass and products	520	552	403	370	...	...	...	...	...	...	362
369	Non-metal products n.e.c	1465	1546	1521	1840	...	...	1302	1676	1782	...	369
371	Iron and steel	40	56	40	21	...	7	12	13	7	...	371
372	Non-ferrous metals	1144	799	669	911	...	358	324	609	658	...	372
381	Metal products	509	573	666	772	...	106	243	344	345	...	381
382	Machinery n.e.c.	18	35	135	135	...	3	17	...	78	...	382
3825	Office,computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery	149	221	282	161	...	30	79	...	118	...	383
3832	Radio,television etc.	43	114	96	39	...	30	31	29	28	...	3832
384	Transport equipment	171	290	351	307	...	35	126	210	201	...	384
3841	Shipbuilding, repair	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	144	290	338	307	...	31	126	201	201	...	3843
385	Professional goods	79	87	130	65	...	18	58	93	48	...	385
390	Other industries	94	34	40	15	...	13	12	17	19	...	390
3	Manufacturing c/	...	25147	24489	26300	...	6549	15658	19215	18684	...	3
410	Electricity,gas,steam	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ For one period of the year indicated.
b/ Establishments with 20 or more persons engaged and all multi-establishment enterprises regardless of size.
c/ Estimated as sum of the given parts.

BOLIVIA

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES a/b/ (NUMBER)					6. WAGES AND SALARIES OF OPERATIVES b/ (TEN THOUSAND BOLIVIANOS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	3849	...	3538	3739	...	885	...	1384	1439	...	311/2
313	Beverages	...	...	2174	2096	...	583	...	1000	1022	...	313
314	Tobacco	68	...	84	116	...	10	...	16	33	...	314
321	Textiles	3106	...	2465	2533	...	404	...	674	594	...	321
3211	Spinning,weaving etc..	2566	...	1637	1704	...	332	...	510	392	...	3211
322	Wearing apparel	558	...	203	273	...	88	...	53	53	...	322
323	Leather and products ...	420	...	432	718	...	77	...	132	106	...	323
324	Footwear	835	...	570	536	...	198	...	218	185	...	324
331	Wood products	1401	...	999	1563	...	184	...	266	383	...	331
332	Furniture, fixtures	284	...	297	283	...	29	...	68	51	...	332
341	Paper and products	524	...	190	161	...	112	...	51	46	...	341
3411	Pulp,paper etc.	...	...	14	13	...	...	...	9	9	...	3411
342	Printing,publishing	569	...	695	743	...	111	...	258	277	...	342
351	Industrial chemicals ...	89	...	138	154	...	17	...	54	59	...	351
3511	Basic excl fertilizers	73	...	99	131	...	16	...	45	52	...	3511
3513	Synthetic resins etc .	16	...	39	23	...	2	...	9	7	...	3513
352	Other chemical products.	766	...	725	969	...	155	...	266	260	...	352
3522	Drugs and medicines ..	355	...	426	400	...	66	...	141	118	...	3522
353	Petroleum refineries ...	...	...	...	...	...	482	...	...	...	...	353
354	Petroleum,coal products.	-	...	-	...	...	...	...	...	...	...	354
355	Rubber products	...	...	14	...	...	...	...	2	2	...	355
356	Plastic products n.e.c..	421	...	671	818	...	92	...	218	254	...	356
361	Pottery,china etc	50	...	13	...	...	4	...	3	...	...	361
362	Glass and products	437	...	288	280	...	63	...	134	110	...	362
369	Non-metal products n.e.c	1118	...	1097	1267	...	333	...	585	581	...	369
371	Iron and steel	28	...	30	20	...	6	...	7	5	...	371
372	Non-ferrous metals	397	...	265	488	...	120	...	130	131	...	372
381	Metal products	340	...	460	522	...	50	...	121	116	...	381
382	Machinery n.e.c.	12	...	97	91	...	2	...	34	35	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	100	...	161	96	...	19	...	44	36	...	383
3832	Radio,television etc..	18	...	42	16	...	...	...	9	8	...	3832
384	Transport equipment	110	...	217	194	...	18	...	68	69	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	81	...	211	194	...	16	...	67	69	...	3843
385	Professional goods	63	...	84	50	...	12	...	28	17	...	385
390	Other industries	54	...	35	15	...	7	...	9	4	...	390
3	Manufacturing ..... c/	15599	...	15942	17725	...	4061	...	5823	5868	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ For one period of the year indicated.
b/ Establishments with 20 or more persons engaged and all multi-establishment enterprises regardless of size.
c/ Estimated as sum of the given parts.

ISIC	INDUSTRY	7. QUANTITY OF ELECTRICITY CONSUMED a/ (MILLION KWH)					8. OUTPUT IN PRODUCERS' PRICES a/ (HUNDRED THOUSAND BOLIVIANOS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	53.1	57.8	82.2	98.8	...	456.0	537.3	563.8	662.1	...	311/2
313	Beverages	13.9	19.0	23.5	39.7	...	167.9	249.1	288.2	368.3	...	313
314	Tobacco	0.2	0.3	0.4	0.4	...	17.9	29.4	25.1	32.1	...	314
321	Textiles	21.9	23.2	13.8	11.3	...	64.3	...	92.7	116.4	...	321
3211	Spinning,weaving etc..	19.3	20.0	10.7	9.2	...	50.7	53.7	66.5	79.0	...	3211
322	Wearing apparel	0.3	0.4	0.4	0.4	...	9.6	9.9	7.6	12.4	...	322
323	Leather and products ...	1.1	1.4	2.3	1.0	...	21.4	25.4	30.9	45.0	...	323
324	Footwear	1.7	0.3	2.2	2.5	...	23.7	22.8	31.2	38.1	...	324
331	Wood products	3.4	5.6	2.8	3.6	...	31.9	46.3	50.6	103.9	...	331
332	Furniture, fixtures	0.4	0.6	0.6	0.4	...	3.0	4.0	5.0	4.3	...	332
341	Paper and products	2.4	1.8	1.9	2.1	...	8.0	19.4	10.2	14.3	...	341
3411	Pulp,paper etc.	0.5	1.2	1.3	1.4	...	1.1	6.8	3.5	4.7	...	3411
342	Printing,publishing	1.2	2.7	2.9	2.1	...	39.0	38.2	65.4	84.7	...	342
351	Industrial chemicals ...	2.2	1.3	3.3	2.4	...	11.8	8.3	9.4	9.7	...	351
3511	Basic excl fertilizers	1.8	1.2	3.1	2.1	...	11.5	7.6	7.2	8.1	...	3511
3513	Synthetic resins etc .	...	0.1	0.1	0.3	...	...	0.7	2.2	1.6	...	3513
352	Other chemical products.	2.1	3.1	3.6	2.1	...	51.3	56.8	79.4	87.8	...	352
3522	Drugs and medicines ..	...	1.3	1.5	1.4	...	26.5	30.6	45.0	46.8	...	3522
353	Petroleum refineries ...	57.4	43.7	49.4	54.3	...	573.0	653.2	800.8	986.4	...	353
354	Petroleum,coal products.	-	-	-	...	...	...	...	...	...	...	354
355	Rubber products	0.1	0.1	0.2	...	...	0.5	5.5	...	...	...	355
356	Plastic products n.e.c..	1.6	5.8	5.9	3.5	...	11.5	28.9	42.2	50.0	...	356
361	Pottery,china etc	-	-	0.2	...	...	0.1	...	0.2	...	...	361
362	Glass and products	0.8	1.2	3.1	1.0	...	8.3	17.9	14.8	16.9	...	362
369	Non-metal products n.e.c	24.9	49.4	61.9	28.6	...	62.7	78.8	94.1	123.9	...	369
371	Iron and steel	0.5	0.5	0.2	0.2	...	0.6	...	...	0.5	...	371
372	Non-ferrous metals	12.5	7.7	15.3	17.2	...	108.0	45.9	92.7	224.2	...	372
381	Metal products	1.5	3.4	3.0	1.7	...	13.2	20.6	34.1	45.8	...	381
382	Machinery n.e.c.	0.2	0.3	1.3	1.1	...	0.2	1.7	2.9	3.5	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	0.3	0.5	1.0	0.4	...	3.7	6.9	9.8	8.5	...	383
3832	Radio,television etc..	...	0.1	0.1	0.1	...	0.4	1.6	1.4	1.2	...	3832
384	Transport equipment	0.2	0.7	0.7	0.4	...	18.1	8.6	8.0	7.9	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	0.2	0.7	-	0.4	...	14.5	8.6	7.4	7.9	...	3843
385	Professional goods	...	0.1	-	0.1	...	3.0	2.2	2.8	2.5	...	385
390	Other industries	0.1	0.1	0.2	0.1	...	2.5	0.8	1.9	0.4	...	390
3	Manufacturing	204.0	231.2	282.3	275.4 b/	...	1711.2 b/	1918.1 b/	2363.9 b/	3049.6 b/	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 20 or more persons engaged and all multi-establishment enterprises regardless of size.
b/ Estimated as sum of the given parts.

BOLIVIA

9. VALUE ADDED IN PRODUCERS' PRICES a/b/
(HUNDRED THOUSAND BOLIVIANOS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	2
311/2	Food products	123.5	163.3	161.2	196.5	...	311/2
313	Beverages	87.7	120.7	144.3	193.4	...	313
314	Tobacco	9.6	17.7	10.8	14.8	...	314
321	Textiles	28.4	27.3	25.4	13.6	...	321
3211	Spinning,weaving etc..	21.3	21.2	16.2	27.4	...	3211
322	Wearing apparel	4.1	2.7	2.6	5.0	...	322
323	Leather and products ...	13.5	8.7	7.2	21.5	...	323
324	Footwear	10.0	10.3	12.6	5.1	...	324
331	Wood products	12.3	16.6	17.0	31.6	...	331
332	Furniture, fixtures	1.6	1.9	1.9	1.4	...	332
341	Paper and products	1.7	4.5	3.7	5.3	...	341
3411	Pulp,paper etc.	0.1	1.4	1.0	1.0	...	3411
342	Printing,publishing	26.4	23.8	34.7	37.7	...	342
351	Industrial chemicals ...	2.3	2.4	3.8	5.5	...	351
3511	Basic excl fertilizers	2.2	1.9	3.2	4.9	...	3511
3513	Synthetic resins etc .	...	0.5	0.5	0.6	...	3513
352	Other chemical products.	19.9	22.2	32.0	42.5	...	352
3522	Drugs and medicines ..	11.5	13.9	22.3	27.1	...	3522
353	Petroleum refineries ...	366.8	385.1	...	727.6	...	353
354	Petroleum,coal products.	...	...	...	...	...	354
355	Rubber products	0.2	...	0.1	...	...	355
356	Plastic products n.e.c..	5.7	16.8	18.1	19.4	...	356
361	Pottery,china etc	0.1	-	-	...	...	361
362	Glass and products	4.8	7.6	6.0	7.6	...	362
369	Non-metal products n.e.c	40.0	35.8	41.6	67.3	...	369
371	Iron and steel	0.3	...	...	0.1	...	371
372	Non-ferrous metals	53.0	25.5	79.0	27.6	...	372
381	Metal products	5.7	6.1	10.4	15.1	...	381
382	Machinery n.e.c.	0.1	0.3	0.3	1.5	...	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ...	0.6	1.9	3.4	2.6	...	383
3832	Radio,television etc..	0.2	0.7	0.4	0.3	...	3832
384	Transport equipment	5.5	1.3	4.2	6.6	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	3841
3843	Motor vehicles	5.3	1.3	3.9	6.6	...	3843
385	Professional goods	1.0	1.1	1.6	1.4	...	385
390	Other industries	1.0	0.3	0.6	0.1	...	390
3	Manufacturing ..... c/	825.8	903.9	622.5	1450.8	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	2-4

a/ Net of non-industrial costs.
b/ Establishments with 20 or more persons engaged and all multi-establishment enterprises regardless of size.
c/ Estimated as sum of the given parts.

BOTSWANA

The information in the tables is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Central Statistics Office, Ministry of Finance and Development Planning, Gaborone. The concepts and definitions are generally in accordance with United Nations standards.

The estimates for ISIC 4 cover large parastatal water utilities and electric power corporations. The estimates for output and value added are derived from national accounts calculations and cover all establishments. Value added relates to the contribution of industry to the gross domestic product. Data have been adjusted for non-response.

The reference period is the fiscal year 1 July to 30 June ending in the year indicated, except where footnoted otherwise.

Related national publications:

Statistical Bulletin (monthly); Employment Survey Report (annual); National Accounts of Botswana (annual), all published by the Central Statistics Office, Ministry of Finance and Development Planning, Gaborone.

BOTSWANA

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/b/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/b/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	1	2	1	1	1	0.2	0.3	0.3	0.3	0.4	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	-	-	-	-	1	-	3.9	4.2	4.4	4.5	230
290	Other mining	34	40	12	11	10	7.3	2.8	3.0	2.9	3.2	290
2	Mining, quarrying	35	42	13	12	12	7.5	7.0	7.5	7.6	8.1	2
311/2	Food products	92	109	51	45	51	...	3.1	3.5	4.8	5.2	311/2
313	Beverages	18	29	7	5	7	0.6	0.8	0.9	1.2	1.3	313
314	Tobacco	-	-	-	-	-	-	-	-	-	-	314
321	Textiles c/	141	156	62	65	72	1.5	2.5	3.0	4.7	4.2	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel c/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products	[36	43	14	14	17	0.4	0.5	0.7	0.6	0.6]	323
324	Footwear											324
331	Wood products	[57	67	22	22	25]	...	[1.0	1.1	1.0	1.4]	331
332	Furniture, fixtures						...					332
341	Paper and products d/	57	62	19	20	18	...	0.7	0.7	1.0	1.5	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing d/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals	e/ 40	e/ 56	f/ 24	f/ 20	f/ 21	...	f/ 0.4	f/ 0.6	f/ 0.7	f/ 1.0	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	e/	e/	f/	f/	f/	...	f/	f/	f/	f/	352
3522	Drugs and medicines	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries	-	-	-	-	-	-	-	-	-	-	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products	3	5	f/	f/	f/	...	f/	f/	f/	f/	355
356	Plastic products n.e.c.	e/	e/	f/	f/	f/	...	f/	f/	f/	f/	356
361	Pottery,china etc	-	-	-	-	-	-	-	-	-	-	361
362	Glass and products	-	-	-	-	-	-	-	-	-	-	362
369	Non-metal products n.e.c	-	-	-	-	-	-	-	-	-	-	369
371	Iron and steel	-	-	-	-	-	-	-	-	-	-	371
372	Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	372
381	Metal products	[137	166	48	42	43	2.4	2.6	2.7	3.5	4.5]	381
382	Machinery n.e.c. g/											382
3825	Office,computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery g/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment g/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair	-	-	-	-	-	-	-	-	-	-	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	-	-	-	-	-	-	-	-	-	-	385
390	Other industries	285	328	73	52	56	...	3.1	3.2	4.7	4.6	390
3	Manufacturing	866	1021	313	285	310	12.2	14.7	16.4	22.2	24.3	3
410	Electricity,gas,steam h/	15	13	7	10	...	1.3	1.4	1.6	1.6	1.6	410
4101	Electricity	15	13	7	10	...	1.3	1.4	1.6	1.6	1.6	4101
420	Water works and supply	11	9	10	4	...	0.7	0.7	0.7	0.5	0.5	420
4	Electricity,gas etc h/	26	22	17	14	...	2.0	2.2	2.3	2.1	2.1	4
2-4	All industry h/	927	1085	343	311	...	21.7	23.9	26.2	31.9	34.5	2-4

a/ Mining and manufacturing: licensed establishments with one or more paid employees.
b/ At 30 September of the year indicated.
c/ Major group 322 is included in 321.
d/ Major group 342 is included in 341.
e/ Major groups 352 and 356 are included in 351.
f/ Major groups 352, 355 and 356 are included in 351.
g/ Major groups 383 and 384 are included in 381 and 382 combined.
h/ Excluding gas and steam.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/b/ (THOUSANDS) 1986	1987	1988	1989	1990	4. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION PULA) c/d/ 1986	c/d/ 1987	c/d/ 1988	1989	1990	ISIC
210	Coal mining	0.2	0.3	0.3	0.3	0.4	...	...	...	...	...	210
220	Petroleum and gas	-	-	-	-	-	...	...	...	...	...	220
230	Metal ore mining	-	3.9	4.2	4.4	4.5	...	...	...	...	...	230
290	Other mining	7.3	2.8	3.0	2.9	3.2	...	...	...	...	...	290
2	Mining, quarrying	7.5	7.0	7.5	7.6	8.1	79.6	93.0	102.8	...	...	2
311/2	Food products	...	3.1	3.5	4.8	5.2	...	...	...	...	...	311/2
313	Beverages	0.6	0.8	0.9	1.2	1.3	...	...	...	...	...	313
314	Tobacco	-	-	-	-	-	...	...	...	...	...	314
321	Textiles e/	1.5	2.5	3.0	4.7	4.2	...	...	...	...	...	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel e/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products	[0.4	0.5	0.7	0.6	0.6]	...	...	...	...	...	323
324	Footwear						...	...	...	...	...	324
331	Wood products	... [	1.0	1.1	1.0	1.4]	...	...	...	...	...	331
332	Furniture, fixtures	...					...	...	...	...	...	332
341	Paper and products f/	0.3	0.7	0.7	1.0	1.5	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing f/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals g/	...	0.4	0.6	0.7	1.0	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc.	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. g/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries	-	-	-	-	-	...	...	...	...	...	353
354	Petroleum,coal products.	-	-	-	-	-	...	...	...	...	...	354
355	Rubber products g/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c. g/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	-	-	-	-	-	...	...	...	...	...	361
362	Glass and products	-	-	-	-	-	...	...	...	...	...	362
369	Non-metal products n.e.c	-	-	-	-	-	...	...	...	...	...	369
371	Iron and steel	-	-	-	-	-	...	...	...	...	...	371
372	Non-ferrous metals	-	-	-	-	-	...	...	...	...	...	372
381	Metal products h/	[2.4	2.6	2.7	3.5	4.5]	...	...	...	...	...	381
382	Machinery n.e.c.						...	...	...	...	...	382
3825	Office,computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery h/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment h/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair	-	-	-	-	-	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	-	-	-	-	-	...	...	...	...	...	385
390	Other industries	...	3.1	3.2	4.7	4.6	...	...	...	...	...	390
3	Manufacturing	12.2	14.7	16.4	22.2	24.3	45.4	54.5	67.4	...	...	3
410	Electricity,gas,steam i/	1.3	1.4	1.6	1.6	1.6	...	...	...	...	...	410
4101	Electricity	1.3	1.4	1.6	1.6	1.6	...	...	...	...	...	4101
420	Water works and supply	0.7	0.7	0.7	0.5	0.5	...	...	...	...	...	420
4	Electricity,gas etc i/	2.0	2.2	2.3	2.1	2.1	16.9	23.4	46.0	...	...	4
2-4	All industry i/	21.7	23.9	26.2	31.9	34.5	141.9	170.9	216.2	...	...	2-4

a/ Mining and manufacturing: licensed establishments with one or more paid employees.
b/ At 30 September of the year indicated.
c/ Excluding payments in kind.
d/ Month of September multiplied by 12.
e/ Major group 322 is included in 321.
f/ Major group 342 is included in 341.
g/ Major groups 352, 355 and 356 are included in 351.
h/ Major groups 383 and 384 are included in 381 and 382 combined.
i/ Excluding gas and steam.

BOTSWANA

ISIC	INDUSTRY		5. OUTPUT IN FACTOR VALUES a/b/ (MILLION PULA) 1986	1987	1988	1989	1990	6. VALUE ADDED IN FACTOR VALUES a/c/ (MILLION PULA) 1986	1987	1988	1989	1990	ISIC
210	Coal mining		...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas		...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining		...	...	...	...	...	...	...	...	...	...	230
290	Other mining		...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .		1339.4	1473.6	1987.6	...	...	1133.9	1229.8	1702.5	...	...	2
311/2	Food products		155.9	187.0	198.5	...	...	45.7	70.2	57.5	...	...	311/2
313	Beverages		75.2	77.6	96.9	...	...	23.1	32.5	43.3	...	...	313
314	Tobacco		-	-	-	...	...	-	-	-	...	...	314
321	Textiles	d/	31.5	59.7	93.5	...	...	11.2	13.7	12.8	...	...	321
3211	Spinning,weaving etc..		...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	d/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...		[1.9	6.5	5.2]	...	...	[0.4	1.5	1.4]	...	...	323
324	Footwear					...	...				...	...	324
331	Wood products		[9.6	13.4	22.5]	...	...	[2.5	3.1	6.0]	...	...	331
332	Furniture, fixtures					...	...				...	...	332
341	Paper and products	e/	11.3	12.7	35.3	...	...	3.8	5.5	6.4	...	...	341
3411	Pulp,paper etc.		...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	e/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	f/	19.6	31.8	68.6	...	...	7.1	11.0	18.1	...	...	351
3511	Basic excl fertilizers		...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .		...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	f/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..		...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...		-	-	-	...	...	-	-	-	...	...	353
354	Petroleum,coal products.		-	-	-	...	...	-	-	-	...	...	354
355	Rubber products	f/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	f/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc		-	-	-	...	...	-	-	-	...	...	361
362	Glass and products		-	-	-	...	...	-	-	-	...	...	362
369	Non-metal products n.e.c		-	-	-	...	...	-	-	-	...	...	369
371	Iron and steel		-	-	-	...	...	-	...	...	...	...	371
372	Non-ferrous metals		-	-	-	...	...	-	-	-	...	...	372
381	Metal products	g/	[25.7	31.0	51.0]	...	...	[10.6	11.7	16.9]	...	...	381
382	Machinery n.e.c.					...	...				...	...	382
3825	Office,computing etc..		...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	g/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..		...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	g/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..		-	-	-	...	...	-	-	-	...	...	3841
3843	Motor vehicles		...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods		-	-	-	...	...	-	-	-	...	...	385
390	Other industries		74.4	87.8	124.4	...	...	19.8	18.7	30.0	...	...	390
3	Manufacturing		405.1	507.5	695.9	...	...	124.2	167.9	192.4	...	...	3
410	Electricity,gas,steam ..		...	...	...	...	...	...	...	...	...	...	410
4101	Electricity		...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .		...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc		89.7	141.8	179.8	...	...	57.7	72.2	107.0	...	...	4
2-4	All industry		1834.2	2122.9	2863.3	...	...	1315.8	1469.9	2001.9	...	...	2-4

a/ Twelve months ending 30 June of the year indicated.
b/ Estimates derived from national accounts calculations.
c/ Contributions to the gross domestic product.
d/ Major group 322 is included in 321.
e/ Major group 342 is included in 341.
f/ Major groups 352, 355 and 356 are included in 351.
g/ Major groups 383 and 384 are included in 381 and 382 combined.

7. GROSS FIXED CAPITAL FORMATION
TOTAL a/b/
(MILLION PULA)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	290
2	Mining, quarrying .	50.9	54.5	63.5	...	...	2
311/2	Food products	...	...	...	...	...	311/2
313	Beverages	...	...	...	...	...	313
314	Tobacco	...	...	...	...	...	314
321	Textiles	...	...	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	...	...	322
323	Leather and products ...	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	324
331	Wood products	...	...	...	...	...	331
332	Furniture, fixtures	...	...	...	...	...	332
341	Paper and products	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	342
351	Industrial chemicals ...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	355
356	Plastic products n.e.c..	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	362
369	Non-metal products n.e.c	...	...	...	...	...	369
371	Iron and steel	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	372
381	Metal products	...	...	...	...	...	381
382	Machinery n.e.c.	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	390
3	Manufacturing	15.5	33.5	55.7	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	26.9	78.9	44.0	...	...	4
2-4	All industry	93.3	166.9	163.2	...	...	2-4

a/ Twelve months ending 30 June of the year indicated.

b/ Estimates derived from national accounts calculations.

BULGARIA

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Central Statistical Office of the Council of Ministers, Sofia. The concepts, definitions and classification by branches of industry have been adjusted as far as possible to comply with United Nations standards.

The estimates are derived from statistical reports collected regularly by the office mentioned above. The figures given in the tables relate to the socialist sector, covering all State and co-operative industrial enterprises with independent balance-sheets; subsidiary industrial activity of non-industrial enterprises and organizations and private industrial activities are excluded. The socialist sector accounted for 99.8 per cent of all industrial production in 1978.

The statistical unit is the enterprise (or co-operative) and the classification by branches of industry of all its primary and subsidiary units is determined by the basic activity. Where the enterprise engages in more than one kind of activity, the nature of the main product (in terms of constant prices) determines the classification; if no product accounts for more than 80 per cent of total output, the enterprise is classified under miscellaneous manufacturing. It should also be noted that in the tables all activities of co-operatives are included in the miscellaneous manufacturing branch.

The estimates, which are based on the national classification scheme, have been adjusted as far as possible to ISIC. The figures do not include information on publishing, gas manufacture and distribution, and water works and supply. Owing to lack of detail, adjustments have not been made for the following differences: logging and fishing (ISIC major division 1) are included in other mining, ISIC 290; manufacture of made-up textile goods except wearing apparel (ISIC 321) is included in ISIC 322; manufacture of wearing apparel of leather and fur (ISIC 322) is included in ISIC 323; cellulose manufacturing (ISIC 351) is included in ISIC 341; manufacture of electrical household appliances (ISIC 383) is included in ISIC 381; data shown for ISIC 3511 include fertilizers; and data shown for ISIC 3843 include motorcycles and bicycles. It has not been possible to adopt the principles of the revised version of ISIC in respect of repair services for the general public. Such services are included in the following industries: manufacture of textiles (ISIC 321), wearing apparel (ISIC 322), leather and leather products (ISIC 323), footwear (ISIC 324), machinery except electrical (ISIC 382), electrical machinery (ISIC 383), transport equipment (ISIC 384) and other manufacturing industries (ISIC 390). Television and radio repair establishments are included in major group 383 and in group 3832 and excluded from major group 382; transport repair establishments are included in major group 384 and repair of motor vehicles in group 3843 and excluded from major group 382.

The number of enterprises shown in table 1 refers to State and co-operative industrial enterprises as of 31 December of the reference year. The estimates of total employment relate to the average annual number of workers and other employees, including apprentices and non-industrial staff. Working proprietors and unpaid family workers are not found in the socialist sector. Data on wages and salaries relate to the average annual payment per person. Estimates for numbers of operatives relate to persons directly engaged in the main production process of the enterprise; apprentices are not included nor are persons engaged in non-industrial activities. The estimates of fixed capital formation refer to net increases in fixed assets other than land during the reference year. Valuation is at full original cost.

The indices of industrial production are compiled by the Central Statistical Office of the Council of Ministers in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover all industrial establishments.

Related national publication:

Statisticheski Godishnik Na Narodna Republika Bulgaria (Statistical Yearbook of the People's Republic of Bulgaria), published by the Central Statistical Office of the Council of Ministers, Sofia.

ISIC	INDUSTRY	1. NUMBER OF ENTERPRISES (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	5	6	6	6	7	43.6	47.7	47.8	47.1	44.0	210
220	Petroleum and gas	[									]	220
230	Metal ore mining	230	228	228	226	223	69.8	67.0	68.1	67.4	69.9	230
290	Other mining	]									]	290
2	Mining, quarrying .	235	234	234	231	230	113.4	114.7	115.9	114.5	113.9	2
311/2	Food products	179	181	194	205	221	109.1	107.3	110.5	111.1	105.7	311/2
313	Beverages	68	69	69	71	74	20.3	20.4	20.5	21.4	21.6	313
314	Tobacco	21	21	22	24	24	19.2	18.9	18.9	17.4	15.3	314
321	Textiles	132	142	140	142	150	121.1	123.0	119.9	116.5	112.0	321
3211	Spinning,weaving etc..	80	82	83	83	87	80.2	78.6	78.3	75.1	71.3	3211
322	Wearing apparel	81	84	86	91	98	61.6	62.4	63.9	62.2	64.1	322
323	Leather and products ...	22	24	23	25	25	11.9	12.1	12.1	12.7	12.0	323
324	Footwear	19	22	24	25	25	20.4	20.6	20.9	20.6	19.7	324
331	Wood products	56	58	57	56	61	24.8	24.9	25.0	23.2	24.3	331
332	Furniture, fixtures	52	54	52	57	62	25.2	26.1	25.1	24.9	22.4	332
341	Paper and products	19	20	20	20	20	16.1	15.9	16.1	15.7	14.9	341
3411	Pulp,paper etc.	9	11	11	11	11	10.8	12.0	12.1	11.7	11.3	3411
342	Printing,publishing	35	36	36	36	37	10.2	9.9	9.4	9.8	8.9	342
351	Industrial chemicals ...	12	19	18	16	18	34.6	30.5	29.2	30.5	32.7	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	48	49	50	48	52	31.1	33.4	29.6	33.8	31.6	352
3522	Drugs and medicines ..	10	11	10	10	11	15.0	15.5	15.0	15.4	15.0	3522
353	Petroleum refineries ...	-	-	-	-	-	-	-	-	-	-	353
354	Petroleum,coal products.	5	4	5	5	6	15.6	12.5	12.6	12.7	14.1	354
355	Rubber products	15	14	14	14	15	19.8	20.1	20.5	20.7	18.8	355
356	Plastic products n.e.c..	23	24	25	28	30	12.2	13.0	13.6	13.6	12.8	356
361	Pottery,china etc	10	10	9	8	8	7.1	7.2	7.0	6.0	5.8	361
362	Glass and products	10	11	11	12	12	19.0	19.4	19.3	17.8	16.8	362
369	Non-metal products n.e.c	100	100	100	108	108	49.3	48.5	47.4	43.7	36.8	369
371	Iron and steel	7	7	8	8	10	36.5	36.3	37.8	39.0	25.9	371
372	Non-ferrous metals	18	18	20	20	27	b/	b/	b/	13.0	12.3	372
381	Metal products	118	119	117	133	150	49.0	49.0	48.2	87.1	82.2	381
382	Machinery n.e.c. ..... c/	269	302	315	352	365	169.8	172.1	172.2	235.1	201.1	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	136	148	146	180	177	106.1	115.0	121.3	153.9	145.2	383
3832	Radio,television etc..	61	71	69	94	84	44.3	50.3	55.0	80.8	73.7	3832
384	Transport equipment	120	126	129	133	142	75.2	76.7	76.2	76.8	83.1	384
3841	Shipbuilding, repair..	12	12	12	12	13	15.5	15.4	15.2	14.8	13.6	3841
3843	Motor vehicles	83	82	83	83	88	31.1	26.2	26.2	28.8	39.6	3843
385	Professional goods ..... c/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries ..... d/	422	425	486	527	556	202.8 b/	192.8 b/	214.0 b/	201.0	179.8	390
3	Manufacturing ..... e/	1997	2087	2176	2345	2473	1268.0	1281.4	1291.2	1420.2	1320.0	3
410	Electricity,gas,steam ..	18	19	19	20	22	32.0	33.0	35.4	35.7	37.8	410
4101	Electricity	18	19	19	20	22	32.0	33.0	35.4	35.7	37.8	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	18	19	19	20	22	32.0	33.0	35.4	35.7	37.8	4
2-4	All industry e/	2250	2340	2429	2596	2725	1413.4	1429.1	1442.5	1570.4	1471.7	2-4

Note. For certain deviations in classification, see country note.

a/ Number of employees. Working proprietors and unpaid family workers are not found in socialist industry.
b/ Major group 372 is included in 390.
c/ Major group 385 is included in 382.
d/ Including all industrial activities of co-operatives.
e/ Including repair services for the general public.

BULGARIA

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/ (LEVA)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	43.6	47.7	47.8	47.1	44.0	4280	4416	4578	4740	6418	210
220	Petroleum and gas						...	...	...	...	...	220
230	Metal ore mining	69.8	67.0	68.1	67.4	69.9	...	...	...	...	...	230
290	Other mining						...	...	...	...	...	290
2	Mining, quarrying .	113.4	114.7	115.9	114.5	113.9	3901	4007	4184	4478	5727	2
311/2	Food products	109.1	107.3	110.5	111.1	105.7	2473	2557	2776	3011	3937	311/2
313	Beverages	20.3	20.4	20.5	21.4	21.6	2481	2609	3018	3293	4427	313
314	Tobacco	19.2	18.9	18.9	17.4	15.3	2490	2582	2868	3122	3997	314
321	Textiles	121.1	123.0	119.9	116.5	112.0	2537	2632	2912	3178	3748	321
3211	Spinning,weaving etc..	80.2	78.6	78.3	75.1	71.3	2646	2755	3016	3268	3840	3211
322	Wearing apparel	61.6	62.4	63.9	62.2	64.1	2147	2280	2469	2680	3332	322
323	Leather and products ...	11.9	12.1	12.1	12.7	12.0	2538	2632	2927	3254	3914	323
324	Footwear	20.4	20.6	20.9	20.6	19.7	2315	2424	2728	3044	3555	324
331	Wood products	24.8	24.9	25.0	23.2	24.3	2708	2864	3062	3322	3894	331
332	Furniture, fixtures	25.2	26.1	25.1	24.9	22.4	2652	2794	3032	3202	3800	332
341	Paper and products	16.1	15.9	16.1	15.7	14.9	2678	2813	3024	3144	3656	341
3411	Pulp,paper etc.	10.8	12.0	12.1	11.7	11.3	2769	2867	3076	3217	3596	3411
342	Printing,publishing	10.2	9.9	9.4	9.8	8.9	2714	2842	3105	3415	4234	342
351	Industrial chemicals ...	34.6	30.5	29.2	30.5	32.7	3128	3542	3870	4020	4752	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	31.1	33.4	29.6	33.8	31.6	...	...	...	...	...	352
3522	Drugs and medicines ..	15.0	15.5	15.0	15.4	15.0	2979	3099	3360	3638	4136	3522
353	Petroleum refineries ...	-	-	-	-	-	-	-	-	-	-	353
354	Petroleum,coal products.	15.6	12.5	12.6	12.7	14.1	...	...	...	...	...	354
355	Rubber products	19.8	20.1	20.5	20.7	18.8	...	...	...	...	...	355
356	Plastic products n.e.c..	12.2	13.0	13.6	13.6	12.8	2792	2936	3361	3515	4072	356
361	Pottery,china etc	7.1	7.2	7.0	6.0	5.8	2585	2797	3099	3485	4377	361
362	Glass and products	19.0	19.4	19.3	17.8	16.8	2964	3015	3252	3570	4367	362
369	Non-metal products n.e.c	49.3	48.5	47.4	43.7	36.8	2971	3042	3154	3453	4297	369
371	Iron and steel	36.5	36.3	37.8	39.0	25.9	3611	4102	4153	4478	5492	371
372	Non-ferrous metals	b/	b/	b/	13.0	12.3	...	...	...	4294	5261	372
381	Metal products	49.0	49.0	48.2	87.1	82.2	2995	3153	3418	3442	4083	381
382	Machinery n.e.c. ..... c/	169.8	172.1	172.2	235.1	201.2	3186	3344	3618	3662	4191	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	106.1	115.0	121.3	153.9	145.2	2926	3042	3228	3409	3830	383
3832	Radio,television etc..	44.3	50.3	55.0	80.0	73.7	2862	3025	3178	3400	3756	3832
384	Transport equipment	75.2	76.7	76.2	76.8	83.1	3224	3347	3587	3789	4472	384
3841	Shipbuilding, repair..	15.5	15.4	15.2	14.8	13.6	3369	3497	3804	4041	4975	3841
3843	Motor vehicles	31.1	26.2	26.2	28.8	39.6	3097	3191	3282	3527	4285	3843
385	Professional goods ..... c/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries ..... d/	b/ 202.8	b/ 192.8	b/ 214.0	201.0	179.8	...	...	...	...	...	390
3	Manufacturing ..... e/	1268.0	1281.4	1291.2	1420.2	1320.0	2773	2925	3153	3381	4029	3
410	Electricity,gas,steam ..	32.0	33.0	35.4	35.7	37.8	3561	3695	3924	3984	5540	410
4101	Electricity	32.0	33.0	35.4	35.7	37.8	3561	3695	3924	3984	5540	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	32.0	33.0	35.4	35.7	37.8	3561	3695	3924	3984	5540	4
2-4	All industry e/	1413.4	1429.1	1442.5	1570.4	1471.7	2881	3030	3254	3475	4199	2-4

Note. For certain deviations in classification, see country note.

a/ Annual average per employee.
b/ Major group 372 is included in 390.
c/ Major group 385 is included in 382.
d/ Including all industrial activities of co-operatives.
e/ Including repair services for the general public.

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES (THOUSANDS)					6. WAGES AND SALARIES OF OPERATIVES a/ (LEVA)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	35.7	38.2	38.1	37.2	35.5	4251	4411	4539	4701	6420	210
220	Petroleum and gas						...	...	...	...	...	220
230	Metal ore mining	50.9	48.3	49.1	48.8	51.0	...	...	...	...	...	230
290	Other mining						...	...	...	...	...	290
2	Mining, quarrying .	86.6	86.5	87.2	86.0	86.5	3897	4017	4162	4462	5719	2
311/2	Food products	76.4	76.2	77.6	78.2	75.6	2485	2555	2770	3021	3908	311/2
313	Beverages	16.3	16.2	16.4	16.9	15.7	2374	2497	2875	3174	4239	313
314	Tobacco	16.6	16.2	16.1	14.6	12.7	2376	2473	2736	3020	3888	314
321	Textiles	106.7	107.7	104.6	100.9	96.6	2486	2575	2820	3096	3626	321
3211	Spinning,weaving etc..	70.9	69.3	68.5	65.0	61.2	2614	2706	2938	3196	3733	3211
322	Wearing apparel	54.5	55.2	56.3	54.7	57.0	2054	2179	2352	2580	3199	322
323	Leather and products ...	10.5	10.6	10.6	11.0	10.3	2465	2572	2846	3190	3748	323
324	Footwear	18.5	18.6	18.8	18.6	17.8	2234	2345	2614	2938	3387	324
331	Wood products	20.6	20.4	20.3	19.1	19.8	2705	2864	3032	3334	3859	331
332	Furniture, fixtures	21.5	21.7	21.1	20.9	18.7	2621	2740	2598	3197	3718	332
341	Paper and products	13.6	13.1	13.4	13.1	12.3	2615	2749	2929	3087	3498	341
3411	Pulp,paper etc.	9.2	9.9	10.1	9.8	9.3	2727	2832	2989	3153	3428	3411
342	Printing,publishing	8.7	8.3	7.9	8.1	7.3	2646	2776	2977	3290	4077	342
351	Industrial chemicals ...	26.2	23.7	22.4	23.1	24.6	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	22.4	22.4	22.7	25.3	23.5	...	...	...	...	...	352
3522	Drugs and medicines ..	12.5	12.8	12.1	11.7	11.1	2869	3000	3210	3562	3971	3522
353	Petroleum refineries ...	-	-	-	-	-	-	-	-	-	-	353
354	Petroleum,coal products.	12.2	9.5	9.6	9.5	10.6	...	...	...	...	...	354
355	Rubber products	16.5	16.6	16.8	17.0	15.2	...	...	...	...	...	355
356	Plastic products n.e.c..	9.9	10.7	10.9	10.9	10.1	2702	2830	3170	3422	3969	356
361	Pottery,china etc	6.1	6.1	5.9	5.1	5.0	2517	2688	2995	3445	4283	361
362	Glass and products	16.8	17.1	16.8	15.4	14.5	2942	2986	3192	3501	4283	362
369	Non-metal products n.e.c	40.7	39.9	39.0	35.7	29.0	2964	3057	3169	3479	4279	369
371	Iron and steel	29.7	29.8	30.6	31.5	21.7	3695	4162	4242	4475	5478	371
372	Non-ferrous metals	b/	b/	b/	10.0	9.4	...	...	...	4283	5281	372
381	Metal products	39.3	39.3	38.6	67.9	63.8	2988	3238	3385	3455	4054	381
382	Machinery n.e.c. ..... c/	134.7	135.9	135.3	181.1	152.4	3182	3341	3596	3698	4178	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	87.8	95.0	100.2	125.7	116.2	2833	2958	3130	3360	3738	383
3832	Radio,television etc..	37.1	42.7	44.9	64.6	58.6	2710	2873	3020	3300	3620	3832
384	Transport equipment	59.6	60.6	60.0	60.0	64.4	3251	3390	3605	3866	4494	384
3841	Shipbuilding, repair..	11.8	11.6	11.6	11.0	10.1	3483	3258	3952	4270	5196	3841
3843	Motor vehicles	25.6	21.5	21.4	23.5	31.3	3097	3218	3317	3543	4216	3843
385	Professional goods ..... c/	... b/	... b/	... b/	...	...	...	...	...	...	...	385
390	Other industries ..... d/	163.5	155.5	171.6	162.3	144.1	...	...	...	...	...	390
3	Manufacturing ..... e/	1029.3	1036.9	1043.5	1136.6	1048.3	2726	2870	3081	3343	3937	3
410	Electricity,gas,steam ..	24.4	25.1	26.9	27.3	28.8	3469	3562	3808	3864	5395	410
4101	Electricity	24.4	25.1	26.9	27.3	28.8	3469	3562	3808	3864	5395	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	24.4	25.1	26.9	27.3	28.8	3469	3562	3808	3864	5395	4
2-4	All industry e/	1140.3	1148.5	1157.6	1249.9	1163.6	2831	2972	3179	3432	4105	2-4

Note. For certain deviations in classification, see country note.

a/ Annual average per operative.
b/ Major group 372 is included in 390.
c/ Major group 385 is included in 382.
d/ Including all industrial activities of co-operatives.
e/ Including repair services for the general public.

BULGARIA

ISIC	INDUSTRY	7. HOURS WORKED BY OPERATIVES (MILLIONS)					8. QUANTITY OF ELECTRICITY CONSUMED (MILLION KWH)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	65.4	67.6	66.7	53.9	61.8	812	907	963	958	807	210
220	Petroleum and gas											220
230	Metal ore mining	93.5	91.5	91.8	90.1	96.4	1344	1304	1255	1287	1306	230
290	Other mining											290
2	Mining, quarrying .	158.9	159.1	158.5	144.0	158.2	2156	2211	2218	2245	2113	2
311/2	Food products	149.2	152.0	168.3	147.8	137.2	814	801	839	872	820	311/2
313	Beverages	31.2	30.6	29.9	30.6	28.6	124	126	135	136	129	313
314	Tobacco	31.3	29.9	28.9	26.1	22.2	70	73	73	70	74	314
321	Textiles	183.5	179.4	172.8	165.9	155.3	762	778	795	785	672	321
3211	Spinning,weaving etc..	123.2	118.6	114.7	108.5	100.2	655	652	661	653	546	3211
322	Wearing apparel	90.2	92.2	89.5	87.9	90.1	55	51	60	72	45	322
323	Leather and products ...	18.6	19.6	17.9	18.9	16.8	30	31	30	31	26	323
324	Footwear	30.7	32.7	30.6	30.8	40.1	22	23	24	24	21	324
331	Wood products	38.6	37.0	36.4	34.4	34.1	233	241	273	273	264	331
332	Furniture, fixtures	39.8	40.0	37.5	37.1	32.3	105	113	114	125	93	332
341	Paper and products	24.3	23.6	23.4	22.8	20.8	665	664	717	653	481	341
3411	Pulp,paper etc.	16.4	17.8	17.6	17.2	16.0	591	647	700	635	465	3411
342	Printing,publishing	15.5	14.6	13.7	13.8	12.0	35	30	29	34	26	342
351	Industrial chemicals ...	45.6	42.2	38.3	39.4	38.2	4030	3528	3320	3150	3123	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	39.9	38.9	38.9	42.9	39.3	467	493	471	480	454	352
3522	Drugs and medicines ..	22.1	21.7	20.5	20.2	18.8	350	373	343	343	324	3522
353	Petroleum refineries ...	-	-	-	-	-	-	-	-	-	-	353
354	Petroleum,coal products.	21.1	16.4	16.6	16.4	16.3	1686	1562	1806	1760	1605	354
355	Rubber products	29.6	29.7	29.3	29.7	25.2	430	451	470	469	460	355
356	Plastic products n.e.c..	17.2	18.4	19.1	18.9	16.8	226	228	254	262	200	356
361	Pottery,china etc	10.7	10.8	10.3	8.8	8.6	116	116	109	87	154	361
362	Glass and products	30.2	29.8	29.3	26.6	24.8	349	336	325	325	351	362
369	Non-metal products n.e.c	77.3	73.9	70.8	64.5	51.1	1098	1129	1133	1067	992	369
371	Iron and steel	53.8	54.0	54.5	57.0	37.5	2844	2894	2915	2934	2948	371
372	Non-ferrous metals	a/	a/	a/	17.0	15.8	a/	a/	a/	a/	a/	372
381	Metal products	72.1	70.8	68.9	117.9	107.1	398	410	424	710	463	381
382	Machinery n.e.c. ..... b/	247.8	246.0	240.9	316.4	260.7	1121	1265	1281	1659	1442	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	156.5	172.3	170.0	210.3	191.3	513	538	573	724	540	383
3832	Radio,television etc..	64.5	91.6	74.9	105.3	96.7	61	63	70	71	56	3832
384	Transport equipment	111.1	110.7	107.4	104.9	115.4	462	470	476	466	417	384
3841	Shipbuilding, repair..	21.9	20.8	20.3	19.3	17.4	80	81	84	82	78	3841
3843	Motor vehicles	48.5	39.9	38.6	42.4	58.4	198	176	170	180	158	3843
385	Professional goods ..... b/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries ..... c/	298.0	277.4	275.8	281.6	261.5	1441	1471	1509	1515	879	390
3	Manufacturing ..... d/	1863.8	1842.9	1819.0	1968.4	1799.1	18096	17822	18155	18683	16679	3
410	Electricity,gas,steam ..	47.3	47.3	50.4	50.1	57.5	6412	7480	7987	7855	6630	410
4101	Electricity	47.3	47.3	50.4	50.1	57.5	6412	7480	7987	7855	6630	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	47.3	47.3	50.4	50.1	57.5	6412	7480	7987	7855	6630	4
2-4	All industry d/	2070.0	2049.3	2030.6	2162.5	2014.8	26664	27513	28360	28783	25522	2-4

Note. For certain deviations in classification, see country note.

a/ Major group 372 is included in 390.
b/ Major group 385 is included in 382.
c/ Including all industrial activities of co-operatives.
d/ Including repair services for the general public.

ISIC	INDUSTRY	9. OUTPUT (MILLION LEVA)					10. GROSS FIXED CAPITAL FORMATION TOTAL a/ (MILLION LEVA)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	636	672	648	647	597	255.5	217.9	198.1	66.1	77.5	210
220	Petroleum and gas	...	...	...	...	...	[					220
230	Metal ore mining	...	...	...	...	...	128.7	135.5	37.0	386.7	94.4	230
290	Other mining	...	...	...	...	...	]					290
2	Mining, quarrying .	...	...	...	...	...	384.2	353.4	235.1	452.8	171.9	2
311/2	Food products	11334	11368	11568	11497	11513	144.9	68.6	96.6	128.9	192.4	311/2
313	Beverages	...	...	...	...	...	19.0	37.3	36.0	58.7	29.9	313
314	Tobacco	...	...	...	...	...	20.5	20.4	7.8	8.8	10.6	314
321	Textiles	2417	2557	2672	2780	2797	105.0	52.7	119.3	165.2	184.2	321
3211	Spinning,weaving etc..	...	...	...	...	...	86.3	38.0	80.4	134.6	148.5	3211
322	Wearing apparel	1087	1079	1150	1160	1393	13.1	20.0	31.0	43.2	32.5	322
323	Leather and products ...	[					-	0.4	6.7	7.1	19.2	323
324	Footwear	584	620	673	763	777]	3.8	6.5	12.3	7.9	29.3	324
331	Wood products	b/ 1341	b/ 1377	b/ 1412	b/ 1427	b/ 1357	14.8	79.1	52.4	39.8	33.3	331
332	Furniture, fixtures	...	...	...	...	...	15.0	12.7	17.7	10.4	22.1	332
341	Paper and products	581	577	609	579	510	28.0	7.3	34.3	21.0	71.9	341
3411	Pulp,paper etc.	...	...	...	...	...	14.4	4.8	32.4	19.0	68.1	3411
342	Printing,publishing	194	199	201	228	275	7.8	-2.7	4.4	12.9	13.2	342
351	Industrial chemicals ...	c/ 4156	c/ 4242	c/ 4490	c/ 4723	c/ 4093	-4.0	281.9	29.8	62.8	119.3	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products			...	...	...	88.3	90.3	105.6	84.7	82.2	352
3522	Drugs and medicines ..	...	...	...	...	...	56.8	55.5	53.5	36.4	35.7	3522
353	Petroleum refineries ...	...	...	...	...	...	-	-	-	-	-	353
354	Petroleum,coal products.	...	...	...	...	...	33.6	-0.8	34.6	42.2	12.2	354
355	Rubber products	c/	c/	c/	c/	c/	39.5	28.6	21.7	45.6	40.6	355
356	Plastic products n.e.c..	...	...	...	...	...	26.1	20.3	57.8	37.2	35.8	356
361	Pottery,china etc	[					2.3	5.0	-0.8	16.4	21.5	361
362	Glass and products	365	380	386	388	467]	-2.0	8.7	6.9	13.2	40.1	362
369	Non-metal products n.e.c	1860	1823	1815	1706	1602	48.0	35.8	74.9	80.4	73.2	369
371	Iron and steel	1541	1548	1585	1541	1541	66.9	124.0	374.5	124.4	81.9	371
372	Non-ferrous metals	...	...	...	1185	1112	d/	d/	d/	29.6	24.6	372
381	Metal products	...	...	...	...	...	70.4	87.8	79.9	106.6	44.4	381
382	Machinery n.e.c.	7216	7591	7705	9597	8538	e/ 464.8	e/ 481.0	e/ 470.3	e/ 568.1	e/ 253.6	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	5546	6334	7387	8613	6205	138.9	209.8	206.4	133.7	133.6	383
3832	Radio,television etc..	...	...	...	...	...	27.0	50.5	33.7	40.6	16.1	3832
384	Transport equipment	...	...	...	...	...	115.9	106.3	91.5	144.6	96.1	384
3841	Shipbuilding, repair..	...	...	...	...	...	25.6	14.1	13.7	20.2	14.3	3841
3843	Motor vehicles	...	...	...	...	...	40.1	43.9	34.4	52.6	49.8	3843
385	Professional goods ..... e/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries ..... f/	...	...	...	...	...	d/ 109.4	d/ 357.2	d/ 74.1	90.8	89.9	390
3	Manufacturing ..... g/	...	...	...	...	...	1570.0	2138.2	2045.7	2084.2	1787.6	3
410	Electricity,gas,steam ..	1640	1819	1909	1877	2245	226.7	1488.2	435.5	253.1	345.9	410
4101	Electricity	...	...	...	...	...	226.7	1488.2	435.5	253.1	345.9	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	226.7	1488.2	435.5	253.1	345.9	4
2-4	All industry	h/ 46582	h/ 48548	h/ 51004	h/ 54448	h/ 49334	g/ 2180.9	g/ 3979.8	g/ 2716.3	g/ 2790.1	g/ 2305.4	2-4

Note. For certain deviations in classification, see country note.

a/ Excluding land.
b/ Including logging.
c/ Major group 355 is included in 351.
d/ Major group 372 is included in 390.
e/ Major group 385 is included in 382.
f/ Including all industrial activities of co-operatives.
g/ Including repair services for the general public.
h/ Total includes industries for which data are not shown separately.

11. GROSS FIXED CAPITAL FORMATION
MACHINERY AND EQUIPMENT
(MILLION LEVA)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	178.0	116.2	85.9	74.7	...	210
220	Petroleum and gas					...	220
230	Metal ore mining	24.5	34.1	73.5	100.7	...	230
290	Other mining					...	290
2	Mining, quarrying .	202.5	150.3	159.4	175.4	...	2
311/2	Food products	86.9	46.2	65.0	84.1	...	311/2
313	Beverages	16.1	22.3	22.2	37.8	...	313
314	Tobacco	10.5	14.6	1.2	4.3	...	314
321	Textiles	72.5	36.6	90.4	130.8	...	321
3211	Spinning,weaving etc..	58.2	18.0	64.3	107.3	...	3211
322	Wearing apparel	7.7	9.4	17.1	28.2	...	322
323	Leather and products ...	0.8	0.3	5.7	5.7	...	323
324	Footwear	2.1	2.3	11.0	3.7	...	324
331	Wood products	9.0	46.4	29.5	34.8	...	331
332	Furniture, fixtures	4.2	6.8	9.6	6.6	...	332
341	Paper and products	12.9	1.4	26.9	12.9	...	341
3411	Pulp,paper etc.	8.1	-0.2	24.5	12.7	...	3411
342	Printing,publishing	6.6	-3.6	5.0	7.6	...	342
351	Industrial chemicals ...	-27.7	246.4	-171.6	54.7	...	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	48.3	54.8	71.3	37.7	...	352
3522	Drugs and medicines ..	33.5	30.3	37.2	18.9	...	3522
353	Petroleum refineries ...	-	-	-	-	...	353
354	Petroleum,coal products.	23.2	-11.9	75.9	-7.5	...	354
355	Rubber products	32.0	17.7	13.3	38.9	...	355
356	Plastic products n.e.c..	15.9	10.5	41.9	27.1	...	356
361	Pottery,china etc	0.9	3.3	-1.4	13.5	...	361
362	Glass and products	-2.7	4.6	7.5	9.1	...	362
369	Non-metal products n.e.c	27.9	12.4	41.9	31.0	...	369
371	Iron and steel	31.3	83.7	232.5	87.9	...	371
372	Non-ferrous metals ..... a/	...	...	...	...	...	372
381	Metal products	50.7	51.1	54.3	84.1	...	381
382	Machinery n.e.c. ..... b/	299.8	357.9	266.8	398.4	...	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ...	102.4	140.1	155.9	108.4	...	383
3832	Radio,television etc..	15.8	32.6	19.6	29.7	...	3832
384	Transport equipment	67.4	62.4	53.0	98.8	...	384
3841	Shipbuilding, repair..	3.5	5.4	7.0	9.2	...	3841
3843	Motor vehicles	26.8	22.1	15.5	36.8	...	3843
385	Professional goods ..... b/	...	...	...	...	...	385
390	Other industries ..... a/c/	38.3	166.4	27.3	50.3	...	390
3	Manufacturing ..... d/	937.0	1382.1	1152.2	1414.6	...	3
410	Electricity,gas,steam ..	140.8	592.7	196.6	122.1	...	410
4101	Electricity	140.8	592.7	196.6	122.1	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	140.8	592.7	196.6	122.1	...	4
2-4	All industry d/	1280.3	2125.1	1508.2	1712.1	...	2-4

Note. For certain deviations in classification, see country note.

a/ Major group 372 is included in 390.
b/ Major group 385 is included in 382.
c/ Including all industrial activities of co-operatives.
d/ Including repair services for the general public.

12. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	104	88	104	100	110	120	115	115	106	0.7	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining ..... b/	131	150	152	155	150	137	125	123	122	2.5	230
290	Other mining	112	113	116	115	122	128	131	131	130	3.3	290
2	Mining, quarrying . c/	102	103	106	105	109	109	108	108	...	f/ 0.9	2
311/2	Food products	[106	103	102	104	107	106	109	112	102	0.2]	311/2
313	Beverages											313
314	Tobacco	111	109	103	111	107	109	110	102	82	-2.5	314
321	Textiles	110	113	115	112	114	121	125	132	130	3.3	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	110	113	117	121	148	145	158	163	177	7.4	322
323	Leather and products ...	108	121	125	131	133	139	145	159	133	3.6	323
324	Footwear	113	115	123	140	150	161	180	211	182	7.8	324
331	Wood products	108	108	103	104	102	104	108	110	97	-0.4	331
332	Furniture, fixtures	121	130	145	149	156	166	170	174	151	5.3	332
341	Paper and products	111	110	112	118	116	117	123	117	94	-0.8	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	104	106	106	109	108	112	114	130	130	3.3	342
351	Industrial chemicals ...	133	142	146	142	140	133	134	136	124	2.7	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	129	135	154	167	197	204	211	214	166	6.5	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	116	131	137	142	151	162	171	178	146	4.8	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	106	110	90	91	102	111	121	117	130	3.3	361
362	Glass and products	109	111	113	116	113	116	114	113	110	1.2	362
369	Non-metal products n.e.c	112	112	110	108	115	111	110	102	83	-2.3	369
371	Iron and steel	105	112	117	115	119	120	123	119	68	-4.7	371
372	Non-ferrous metals ..... b/	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	108	108	117	124	127	134	139	114	101	0.1	381
382	Machinery n.e.c.	122	136	143	163	191	207	230	236	169	6.8	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	116	130	150	167	170	202	223	199	154	5.5	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	102	112	121	128	130	133	135	146	121	2.4	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	65	78	88	91	92	94	103	108	100	0.0	390
3	Manufacturing ..... d/	110	115	120	124	130	135	142	140	...	f/ 3.8	3
410	Electricity,gas,steam .. e/	119	126	132	124	127	141	148	145	132	3.5	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry c/d/e/	110	115	120	124	129	134	141	139	...	f/ 3.7	2-4

a/ Annual growth rate 1982-1990.
b/ Major group 372 is included in 230.
c/ Including logging and fishing.
d/ Excluding publishing.
e/ Excluding gas manufacture and distribution.
f/ Annual growth rate 1980-1989.

The information in the tables is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Institut national de la statistique et de la demographie (INSD), Ministere du plan et de la cooperation, Ouagadougou. The concepts, definitions and classifications by branches of industry are generally in accordance with United Nations standards.

The data in the tables are derived from annual survey of industrial and commercial enterprises collected by the INSD from principal enterprises engaged in industrial activities with a turnover of 300,000 CFA francs or more, or those which the INSD considers important from the viewpoint of the national economy.

The statistics are compiled according to the national classification system which is comparable with ISIC. Adjustments to ISIC have been made by the national authorities but data are available only by broad grouping of industries. Data have been adjusted for non-response.

The number of enterprises relates to 31 December of the year indicated.

ISIC	INDUSTRY	1. NUMBER OF ENTERPRISES a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	...	...	...	-	-	...	...	...	210
220	Petroleum and gas	-	-	...	...	...	-	-	...	...	...	220
230	Metal ore mining	2	3	...	...	...	277	...	...	...	...	230
290	Other mining	2	1	...	...	...	853	...	...	...	...	290
2	Mining, quarrying .	4	4	...	...	...	1130	1062	...	...	...	2
311/2	Food products	2	2	...	...	...	3278	7785	...	...	...	311/2
313	Beverages	37	45	...	...	...	748	738	...	...	...	313
314	Tobacco	1	1	...	...	...	117	117	...	...	...	314
321	Textiles	1	1	...	...	...	2590	2907	...	...	...	321
3211	Spinning,weaving etc..	1	1	...	...	...	820	809	...	...	...	3211
322	Wearing apparel	5	6	...	...	...	282	292	...	...	...	322
323	Leather and products ...	-	-	...	...	...	-	-	...	...	...	323
324	Footwear	2	2	...	...	...	174	173	...	...	...	324
331	Wood products	-	-	...	...	...	-	-	...	...	...	331
332	Furniture, fixtures	15	27	...	...	...	204	223	...	...	...	332
341	Paper and products	1	1	...	...	...	31	29	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	13	19	...	...	...	333	289	...	...	...	342
351	Industrial chemicals ... b/	15	5	...	...	...	1582	1572	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. b/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... b/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. b/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products ..... b/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. b/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	[		...	...	...	[		...	...	...	361
362	Glass and products	-	2	...	...	...	-	20	...	...	...	362
369	Non-metal products n.e.c	]		...	...	...	]		...	...	...	369
371	Iron and steel	-	-	...	...	...	-	-	...	...	...	371
372	Non-ferrous metals	-	-	...	...	...	-	-	...	...	...	372
381	Metal products ..... c/	[26	53]	...	...	...	[1197	1125]	...	...	...	381
382	Machinery n.e.c.			...	...	...			...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... c/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... c/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods ..... c/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	-	-	...	...	...	-	-	...	...	...	390
3	Manufacturing	118	182	...	...	...	10536	15270	...	...	...	3
410	Electricity,gas,steam ..	3	2	...	...	...	958	1094	...	...	...	410
4101	Electricity	1	1	...	...	...	938	1072	...	...	...	4101
420	Water works and supply .	1	1	...	...	...	591	599	...	...	...	420
4	Electricity,gas etc	4	3	...	...	...	1549	1693	...	...	...	4
2-4	All industry	126	189	...	...	...	13215	18025	...	...	...	2-4

a/ Principal enterprises.
b/ Major groups 352 to 356 are included in 351.
c/ Major groups 383 to 385 are included in 381 and 382 combined.

BURKINA FASO

3. AVERAGE NUMBER OF EMPLOYEES a/ (NUMBER)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	-	-	...	...	...	210
220	Petroleum and gas	-	-	...	...	...	220
230	Metal ore mining	277	...	...	...	...	230
290	Other mining	726	...	...	...	...	290
2	Mining, quarrying .	1003	1062	...	...	...	2
311/2	Food products	2733	2114	...	...	...	311/2
313	Beverages	748	728	...	...	...	313
314	Tobacco	117	117	...	...	...	314
321	Textiles	1490	2907	...	...	...	321
3211	Spinning,weaving etc..	820	809	...	...	...	3211
322	Wearing apparel	246	261	...	...	...	322
323	Leather and products ...	-	-	...	...	...	323
324	Footwear	174	...	...	...	...	324
331	Wood products	-	-	...	...	...	331
332	Furniture, fixtures	116	122	...	...	...	332
341	Paper and products	31	29	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	311	283	...	...	...	342
351	Industrial chemicals ... b/	1388	1267	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	.	. .	...	...	...	3513
352	Other chemical products. b		.	...	..	...	352
3522	Drugs and medicines ..	...	...	...	...	...	3522
353	Petroleum refineries ... b/	...	...	...	...	...	353
354	Petroleum,coal products. b/	...	...	...	...	...	354
355	Rubber products ..... b/	...	...	...	...	...	355
356	Plastic products n.e.c.. b/	...	...	...	...	...	356
361	Pottery,china etc	[	]	...	...	...	361
362	Glass and products	-	12	...	...	...	362
369	Non-metal products n.e.c	[	]	...	...	...	369
371	Iron and steel	-	-	...	...	...	371
372	Non-ferrous metals	-	-	...	...	...	372
381	Metal products ..... c/	[593	763]	...	...	...	381
382	Machinery n.e.c.			...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ... c/	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	3832
384	Transport equipment .... c/	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	3843
385	Professional goods ..... c/	...	...	...	...	...	385
390	Other industries	-	-	...	...	...	390
3	Manufacturing	7947	8608	...	...	...	3
410	Electricity,gas,steam ..	887	1001	...	...	...	410
4101	Electricity	867	979	...	...	...	4101
420	Water works and supply .	550	599	...	...	...	420
4	Electricity,gas etc	1437	1600	...	...	...	4
2-4	All industry	10387	11270	...	...	...	2-4

a/ Principal enterprises.
b/ Major groups 352 to 356 are included in 351.
c/ Major groups 383 to 385 are included in 381 and 382 combined.

CAMEROON

The information in the tables is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Direction de la statistique et de la comptabilité nationale, Ministère de l'économie et du plan, Yaounde. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The data in the tables are derived from the industrial survey conducted annually by the Direction de la statistique et de la comptabilite nationale. The survey covers principally all industrial enterprises in the modern sector which keep accounting records. The inquiry is made by mail supplemented by field visits. In the tables, no adjustments are made for non-response.

The national industrial classification on which the data are based is comparable with the preceding version of ISIC. The figures presented in the tables have been converted to the present version as far as details permit. However, repair of bicycles and motorcycles (ISIC major division 9) is included in ISIC 384.

The reference period is the fiscal year 1 July to 30 June; in the tables, the period referred to is the fiscal year ending in the year indicated.

The number of employees relates only to regular employees. Estimates of wages and salaries refer to gross payments in cash and in kind made to regular employees during the year.

Estimates of output relate to the turnover which is equal to the value of sales of goods and services produced, including goods purchased for resale, by the enterprise and excludes the value of goods and capital assets produced by the enterprise for its own use. Value added is calculated as the sum of the value of all products and services rendered by the enterprise, the value of fixed capital assets produced on own account and the net change in the value of work in progress less the cost of intermediate consumption of goods and services.

Related national publication:

Resultats des recensements industriels et commerciaux (occasional), published by the Direction de la statistique et de la comptabilité nationale, Ministère de l'économie et du plan, Yaounde.

CAMEROON

ISIC	INDUSTRY	1. NUMBER OF ENTERPRISES a/b/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	...	...	...	43	38	...	...	...	16972	14618	311/2
313	Beverages	...	...	...	9	7	...	...	...	7712	7127	313
314	Tobacco	...	...	...	3	3	...	...	...	1219	1044	314
321	Textiles	...	...	...	9	10	...	...	...	5390	4896	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	5	4	...	...	...	218	133	322
323	Leather and products ...	...	...	...	[7	5]	...	...	...	[647	658]	323
324	Footwear	...	...	...			...	...	...			324
331	Wood products	...	...	...	[29	25]	...	...	...	[6725	6709]	331
332	Furniture, fixtures	...	...	...			...	...	...			332
341	Paper and products ..... c/	...	...	...	18	16	...	...	...	2247	1943	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... c/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	...	...	...	...	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	...	...	...	20	17	...	...	...	2674	2125	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	[11	17]	...	...	...	[21794	6908]	355
356	Plastic products n.e.c..	...	...	...			...	...	...			356
361	Pottery,china etc	...	...	...	[3	2]	...	...	...	[739	697]	361
362	Glass and products	...	...	...			...	...	...			362
369	Non-metal products n.e.c	...	...	...	...	...	...	...	...	...	...	369
371	Iron and steel	...	...	...	[4	5]	...	...	...	[1635	1320]	371
372	Non-ferrous metals	...	...	...			...	...	...			372
381	Metal products	...	...	...	...	...	...	...	...	...	...	381
382	Machinery n.e.c. ..... d/	...	...	...	19	20	...	...	...	1599	1519	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... d/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	4	4	...	...	...	384	260	384
3841	Shipbuilding, repair..	...	...	...	4	4	...	...	...	384	260	3841
3843	Motor vehicles	...	...	...	-	-	...	...	...	-	-	3843
385	Professional goods	...	...	...	[3	1]	...	...	...	[428	234]	385
390	Other industries	...	...	...			...	...	...			390
3	Manufacturing ..... e/	...	...	...	187	174	...	...	...	70380	50191	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	2	2	...	...	...	6687	6363	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc e/	...	...	...	2	2	...	...	...	6687	6363	4
2-4	All industry	...	...	...	189	176	...	...	...	77070	56554	2-4

a/ Enterprises keeping modern accounting records.
b/ Twelve months ending 30 June of the year indicated.
c/ Major group 342 is included in 341.
d/ Major group 383 is included in 382.
e/ Represents sum of available data.

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES a/b/ (MILLION CFA FRANCS)					4. AVERAGE NUMBER OF OPERATIVES a/b/ (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	...	...	...	18255	16444	...	...	...	13495	11801	311/2
313	Beverages	...	...	...	22469	23065	...	...	...	4979	5084	313
314	Tobacco	...	...	...	3200	2976	...	...	...	738	628	314
321	Textiles	...	...	...	10972	9951	...	...	...	3899	2421	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	215	141	...	...	...	164	111	322
323	Leather and products ...	...	...	...	[1475	1199]	...	...	...	[412	456]	323
324	Footwear	...	...	...			...	...	...			324
331	Wood products	...	...	...	[11590	12413]	...	...	...	[5897	5813]	331
332	Furniture, fixtures	...	...	...			...	...	...			332
341	Paper and products ..... c/	...	...	...	4927	4215	...	...	...	1509	1220	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... c/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	...	...	...	...	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	...	...	...	9145	8321	...	...	...	1650	1487	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	[13986	6344]	...	...	...	[20650	6244]	355
356	Plastic products n.e.c..	...	...	...			...	...	...			356
361	Pottery,china etc	...	...	...	...	[3395]	...	...	...	[480	423]	361
362	Glass and products	...	...	...	...		...	...	...			362
369	Non-metal products n.e.c	...	...	...	...	...	...	...	...	...	...	369
371	Iron and steel	...	...	...	[6810	6536]	...	...	...	[1078	686]	371
372	Non-ferrous metals	...	...	...			...	...	...			372
381	Metal products	...	...	...	...	...	...	...	...	...	...	381
382	Machinery n.e.c. ..... d/	...	...	...	3754	3768	...	...	...	1220	1255	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... d/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	1068	598	...	...	...	300	194	384
3841	Shipbuilding, repair..	...	...	...	1068	598	...	...	...	300	194	3841
3843	Motor vehicles	...	...	...	-	-	...	...	...	-	-	3843
385	Professional goods	...	...	...	[1134	729]	...	...	...	[337	189]	385
390	Other industries	...	...	...			...	...	...			390
3	Manufacturing ..... e/	...	...	...	109000	100095	...	...	...	56808	38012	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	19381	18939	...	...	...	4640	4368	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc e/	...	...	...	19381	18939	...	...	...	4640	4368	4
2-4	All industry	...	...	...	128733	121034	...	...	...	61448	42380	2-4

a/ Enterprises keeping modern accounting records.
b/ Twelve months ending 30 June of the year indicated.
c/ Major group 342 is included in 341.
d/ Major group 383 is included in 382.
e/ Represents sum of available data.

CAMEROON

ISIC	INDUSTRY	5. WAGES AND SALARIES OF OPERATIVES a/b/ (MILLION CFA FRANCS)					6. OUTPUT IN PRODUCERS' PRICES a/b/c/ (MILLION CFA FRANCS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	...	...	...	8619	7547	...	...	...	108592	49950	311/2
313	Beverages	...	...	...	4908	5248	...	...	...	160517	142462	313
314	Tobacco	...	...	...	664	626	...	...	...	21633	20224	314
321	Textiles	...	...	...	4820	4380	...	...	...	57563	51805	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	116	59	...	...	...	1374	447	322
323	Leather and products ...	...	...	...	[325	336]	...	...	...	[5600	2262]	323
324	Footwear	...	...	...			...	...	...			324
331	Wood products	...	...	...	[4795	5119]	...	...	...	[49115	52840]	331
332	Furniture, fixtures	...	...	...			...	...	...			332
341	Paper and products ..... d/	...	...	...	1928	2402	...	...	...	16008	15406	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... d/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	...	...	...	...	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	...	...	...	2152	1909	...	...	...	141294	282718	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	[7785	3249]	...	...	...	[26926	14708]	355
356	Plastic products n.e.c..	...	...	...			...	...	...			356
361	Pottery,china etc	...	...	...	[670	493]	...	...	...	[21857	22199]	361
362	Glass and products	...	...	...			...	...	...			362
369	Non-metal products n.e.c	...	...	...	...	...	...	...	...	...	...	369
371	Iron and steel	...	...	...	[2407	1730]	...	...	...	[79011	55333]	371
372	Non-ferrous metals	...	...	...			...	...	...			372
381	Metal products	...	...	...	...	...	...	...	...	...	...	381
382	Machinery n.e.c. ..... e/	...	...	...	1398	1498	...	...	...	20768	25659	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... e/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	395	208	...	...	...	4087	1862	384
3841	Shipbuilding, repair..	...	...	...	395	208	...	...	...	4087	1862	3841
3843	Motor vehicles	...	...	...	-	-	...	...	...	-	-	3843
385	Professional goods	...	...	...	[451	190]	...	...	...	[5600	3856]	385
390	Other industries	...	...	...			...	...	...			390
3	Manufacturing ..... f/	...	...	...	41433	34994	...	...	...	719945	741731	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	5251	4750	...	...	...	58958	72524	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc f/	...	...	...	5251	4750	...	...	...	58958	72524	4
2-4	All industry	...	...	...	46684	39744	...	...	...	778903	814255	2-4

a/ Enterprises keeping modern accounting records.
b/ Twelve months ending 30 June of the year indicated.
c/ Turnover.
d/ Major group 342 is included in 341.
e/ Major group 383 is included in 382.
f/ Represents sum of available data.

7. GROSS FIXED CAPITAL FORMATION TOTAL a/b/
(MILLION CFA FRANCS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	2
311/2	Food products	...	...	...	12744	8896	311/2
313	Beverages	...	...	...	15105	8353	313
314	Tobacco	...	...	...	970	1293	314
321	Textiles	...	...	...	1286	43187	321
3211	Spinning,weaving etc..	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	15	3	322
323	Leather and products ...	...	...	...	[63	31869]	323
324	Footwear	...	...	...			324
331	Wood products	...	...	...	[86396	72529]	331
332	Furniture, fixtures	...	...	...			332
341	Paper and products ..... c/	...	...	...	1100	2570	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing .... c/	...	...	...	...	...	342
351	Industrial chemicals ...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	...	...	...	7384	4095	352
3522	Drugs and medicines ..	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	354
355	Rubber products	...	...	...	[13093	5312]	355
356	Plastic products n.e.c..	...	...	...			356
361	Pottery,china etc	...	...	...	[719	637]	361
362	Glass and products	...	...	...			362
369	Non-metal products n.e.c	...	...	...	...	...	369
371	Iron and steel	...	...	...	[1767	1562]	371
372	Non-ferrous metals	...	...	...			372
381	Metal products	...	...	...	...	...	381
382	Machinery n.e.c. ..... d/	...	...	...	2431	9506	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ... d/	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	3832
384	Transport equipment	...	...	...	244	114	384
3841	Shipbuilding, repair..	...	...	...	244	114	3841
3843	Motor vehicles	...	...	...	-	-	3843
385	Professional goods	...	...	...	[300	82]	385
390	Other industries	...	...	...			390
3	Manufacturing ..... e/	...	...	...	143617	190008	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	...	...	...	18934	16881	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc e/	...	...	...	18934	206889	4
2-4	All industry	...	...	...	162551	206889	2-4

a/ Enterprises keeping modern accounting records.
b/ Twelve months ending 30 June of the year indicated.
c/ Major group 342 is included in 341.
d/ Major group 383 is included in 382.
e/ Represents sum of available data.

CANADA

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from Statistics Canada, Ottawa. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

In general, the estimates are derived from annual censuses of mining and manufacturing, and annual surveys of electric power and gas utilities. The censuses are conducted by mail and cover all establishments principally engaged in mining and all manufacturing establishments with paid employees. For electricity and gas, the surveys cover all establishments engaged in the generation and distribution of electric power and companies engaged in the sale of manufactured or natural gas to consumers through distribution pipelines. Data on steam and hot water supply are not collected. For water works and supply, the employment and pay-roll data cover waterworks in municipalities with populations of ten thousand or more; for other estimates the coverage is unrestricted.

Data for small manufacturing establishments are generally obtained from administrative records or imputed from the available information. The criteria used for differentiating between large and small establishments vary by industry and province and from year to year, but are governed, in general, by the objective of minimizing the burden on respondents without the loss of a significant amount of detail on shipments of products.

The statistical unit is the establishment, defined as the smallest operating unit capable of reporting specified input and output data. All activities, including non-industrial activities of industrial establishments, are covered. The number of establishments represents the number of operating units that are principally engaged in the activities of the industry to which they have been classified. The operational activities of head offices and auxiliary units are reflected in the industry data.

The estimates, which are based on the national classification scheme (1980 edition), generally have been adjusted to the present version of ISIC. However, it should be noted that the national concept of manufacturing excludes custom tailoring, dressmaking, blacksmithing and welding. Also, manufacture of metal furniture and fixtures (ISIC 381), which in the national scheme is treated as an integral part of the furniture industry, is included in ISIC 332; manufacture of fur dressing and dyeing (ISIC 3232) and manufacture of motorcycles and bicycles (ISIC 3844) are included in ISIC 390; manufacture of musical instruments (ISIC 3902) is included in ISIC 383 and manufacture of synthetic oil (part of ISIC 3540) is included in ISIC 220. For the estimates of gross fixed capital formation, data are compiled only at the 3-digit level of the national scheme and it has not been possible to incorporate all of the adjustments made in other tables.

The estimates of persons engaged include employees and working owners or partners; unpaid family workers are not normally found in industry. The number of employees refers to the average number employed during the reporting period comprising operatives (defined as production and related workers directly engaged in production activities of the classified industry), workers engaged in secondary activities, such as own-account construction work, and other employees (administrative, sales etc.). Homeworkers are excluded from all employment figures and their remuneration treated as contract work done by others.

Wages and salaries refer to gross earnings before deductions for income tax and employees' contributions to social services. They include all salaries, wages, payments for overtime, bonuses, profits shared with employees, the value of room and board where provided, commissions (paid to regular employees only), as well as any other allowance forming part of the worker's earnings.

The value of output for mining and manufacturing is the total value f.o.b. plant of production (for mining) or shipments adjusted for changes in inventories (for manufacturing), including repair and custom revenue, plus non-manufacturing revenues (goods purchased for resale, fixed assets produced by own work force for own use, revenue from product rentals etc.). The valuation is net of sales and excise taxes and duties; subsidies, when they occur, are included. Data for electricity and gas refer to total operating revenues. For water works and supply, the figures are derived from summaries of municipal revenues prepared by the provincial government authorities.

The estimates of value added for mining and manufacturing relate to output, as defined above, less the cost of the relevant commodity inputs (materials and supplies, fuels and electricity consumed etc.) and amounts paid to others for work done. The cost of repair and maintenance work done by other establishments is not deducted. Value added for electricity and gas represents total operating revenues reduced by operating expenditures other than wages and salaries.

The estimates of gross fixed capital formation are based on results of annual questionnaire surveys of capital expenditures according to the 1970 edition of national classification, which cover larger business establishments. Extension to full coverage is made by the inclusion of imputed expenditures for non-response and for the smaller firms not surveyed. The estimates relate to the current value of purchases and own-account construction of new fixed assets, including delivery, installation and any necessary fees and taxes. Also included are expenditures for major additions, alterations and improvements to existing assets, and for imported used fixed assets. No deduction is made for scrap or trade-in value of used assets. The estimates shown for manufacturing and for electricity, gas and water exclude investments charged to operating accounts which are not available at the major group level. The amounts excluded are set out in footnotes to the tables.

Stocks are valued at book values and relate to owned inventories held in the country, including goods in transit and on consignment.

The indices of industrial production are compiled by Statistics Canada and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover all establishments.

Related national publications:

General Review of the Mineral Industries (annual); Manufacturing Industries of Canada (annual); Electric Power Statistics, Volume II - Annual Statistics; Gas Utilities (Transport and Distribution Systems) (annual); Survey of Production (annual); Canada Year Book; Private and Public Investment in Canada, Outlook (annual), all published by Statistics Canada, Ottawa.

CANADA

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	27	28	27	...	...	10 a/	10 a/	11 a/	...	...	210
220	Petroleum and gas	1002	738	801	...	...	43	40	40	...	...	220
230	Metal ore mining	104	108	123	130	...	46	45	48	48	...	230
290	Other mining	374	402	389	375	...	17	18	18	330	...	290
2	Mining, quarrying .	1507	1276	1340	...	...	116	113	117	...	...	2
311/2	Food products	3269	3144	3313	3385	...	195	...	201	202	...	311/2
313	Beverages	313	296	287	274	...	31	...	31	27	...	313
314	Tobacco	25	25	19	19	...	7	...	6	5	...	314
321	Textiles	1246	1230	1364	1305	...	76	...	79	76	...	321
3211	Spinning,weaving etc..	302	316	373	359	...	29	...	30	27	...	3211
322	Wearing apparel	2457	2253	2677	2548	...	103	...	105	103	...	322
323	Leather and products ...	230	210	219	218	...	7	...	6	6	...	323
324	Footwear	170	174	150	135	...	17	...	14	13	...	324
331	Wood products	2831	2725	2889	2697	...	102	...	114	113	...	331
332	Furniture, fixtures	2494	2444	2616	2445	...	59	...	67	69	...	332
341	Paper and products	679	675	701	728	...	115	...	119	119	...	341
3411	Pulp,paper etc.	142	144	145	147	...	80	...	81	81	...	3411
342	Printing,publishing	5654	5276	5618	5207	...	124	...	134	141	...	342
351	Industrial chemicals ...	385	416	450	477	...	31	...	33	32	...	351
3511	Basic excl fertilizers	159	180	193	205	...	19	...	21	20	...	3511
3513	Synthetic resins etc .	94	94	100	97	...	6	...	7	7	...	3513
352	Other chemical products.	1074	1021	1173	1145	...	63	...	68	70	...	352
3522	Drugs and medicines ..	137	139	148	145	...	17	...	19	19	...	3522
353	Petroleum refineries ...	66	64	68	75	...	14	...	14	15	...	353
354	Petroleum,coal products.	79	81	90	106	...	3	...	3	3	...	354
355	Rubber products	173	164	182	193	...	26	...	26	26	...	355
356	Plastic products n.e.c..	1235	1223	1355	1351	...	53	...	64	66	...	356
361	Pottery,china etc	56	56	53	48	...	2	...	2	1	...	361
362	Glass and products	183	176	201	196	...	13	...	13	13	...	362
369	Non-metal products n.e.c	1374	1315	1409	1444	...	37	...	42	43	...	369
371	Iron and steel	196	187	211	229	...	59	...	62	60	...	371
372	Non-ferrous metals	256	250	306	318	...	45	...	47	47	...	372
381	Metal products	3704	3584	3857	3919	...	125	...	141	147	...	381
382	Machinery n.e.c.	4277	4169	4749	4599	...	135	...	156	164	...	382
3825	Office,computing etc..	182	187	247	232	...	17	...	18	18	...	3825
383	Electrical machinery ...	1269	1256	1382	1383	...	114	...	129	129	...	383
3832	Radio,television etc..	583	572	633	614	...	55	...	67	67	...	3832
384	Transport equipment	1411	1370	1519	1537	...	190	...	209	215	...	384
3841	Shipbuilding, repair..	413	382	429	383	...	15	...	17	18	...	3841
3843	Motor vehicles	752	750	846	920	...	128	...	138	142	...	3843
385	Professional goods	550	492	538	525	...	20	...	19	18	...	385
390	Other industries	2724	2514	2866	2644	...	43	...	47	51	...	390
3	Manufacturing	38380	36790	40262	39150	...	1809	...	1950	1971	...	3
410	Electricity,gas,steam ..	123	122	121	...	...	82	93	85	...	...	410
4101	Electricity	57	56	55	...	...	69	80	72	...	...	4101
420	Water works and supply . b/	193	199	199	...	...	8	8	8	...	...	420
4	Electricity,gas etc	316	321	320	...	...	90	101	93	...	...	4
2-4	All industry	40203	38387	41922	...	...	2015	...	2160	...	...	2-4

Note. For certain differences in classification, see country note.

a/ Including estimates for synthetic oil plants.

b/ Municipalities with populations of 10 000 or more.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES (MILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	10	10	11	...	...	430	430	476	...	...	210
220	Petroleum and gas ..... a/	43	40	41	...	...	1884	1937	2127	...	...	220
230	Metal ore mining	46	45	48	48	...	1799	1817	2101	2337	...	230
290	Other mining	17	18	18	330	...	528	583	616	573	...	290
2	Mining, quarrying .	116	113	118	...	...	4641	4767	5320	...	...	2
311/2	Food products	195	197	201	202	...	4661	4926	5269	5503	...	311/2
313	Beverages	31	32	31	27	...	1035	1067	1100	1031	...	313
314	Tobacco	7	6	6	5	...	258	243	230	237	...	314
321	Textiles	75	76	79	76	...	1606	1705	1831	1858	...	321
3211	Spinning,weaving etc..	28	29	30	27	...	658	712	745	726	...	3211
322	Wearing apparel	103	101	105	103	...	1577	1664	1778	1861	...	322
323	Leather and products ...	7	6	6	6	...	109	100	105	110	...	323
324	Footwear	17	16	14	13	...	288	276	259	239	...	324
331	Wood products	102	112	113	113	...	2670	3085	3272	3376	...	331
332	Furniture, fixtures	59	65	66	69	...	1150	1297	1415	1534	...	332
341	Paper and products	115	117	119	119	...	3949	4123	4419	4631	...	341
3411	Pulp,paper etc.	80	80	81	81	...	2999	3114	3332	3491	...	3411
342	Printing,publishing	123	128	134	141	...	3325	3540	4025	4459	...	342
351	Industrial chemicals ...	31	32	33	32	...	1223	1299	1371	1421	...	351
3511	Basic excl fertilizers	19	19	21	20	...	804	850	936	950	...	3511
3513	Synthetic resins etc .	6	7	7	7	...	218	246	260	287	...	3513
352	Other chemical products.	63	65	68	70	...	1812	1910	2118	2281	...	352
3522	Drugs and medicines ..	17	19	19	19	...	527	593	652	679	...	3522
353	Petroleum refineries ...	14	14	14	15	...	641	680	692	741	...	353
354	Petroleum,coal products.	3	3	3	3	...	77	90	93	93	...	354
355	Rubber products	26	24	26	26	...	741	715	804	821	...	355
356	Plastic products n.e.c..	53	57	64	66	...	1142	1272	1500	1630	...	356
361	Pottery,china etc	2	2	2	1	...	50	53	40	39	...	361
362	Glass and products	13	14	13	13	...	389	406	413	398	...	362
369	Non-metal products n.e.c	37	41	42	43	...	1089	1211	1322	1405	...	369
371	Iron and steel	59	59	62	60	...	2124	2207	2410	2445	...	371
372	Non-ferrous metals	45	45	47	47	...	1602	1649	1818	1954	...	372
381	Metal products	125	133	141	147	...	3091	3312	3723	4115	...	381
382	Machinery n.e.c.	135	141	156	164	...	3526	3743	4273	4698	...	382
3825	Office,computing etc..	17	17	18	18	...	486	504	531	564	...	3825
383	Electrical machinery ...	114	122	129	129	...	3102	3452	3780	4009	...	383
3832	Radio,television etc..	55	61	67	67	...	1611	1867	2086	2208	...	3832
384	Transport equipment	190	194	207	215	...	6201	6494	7217	7719	...	384
3841	Shipbuilding, repair..	15	14	16	18	...	410	387	469	534	...	3841
3843	Motor vehicles	128	130	137	142	...	4280	4466	4882	5184	...	3843
385	Professional goods	20	18	19	18	...	501	477	525	532	...	385
390	Other industries	42	43	47	51	...	811	835	993	1112	...	390
3	Manufacturing	1806	1864	1947	1970	...	48750	51832	56797	60250	...	3
410	Electricity,gas,steam ..	82	93	85	...	...	3170	3225	3579	...	...	410
4101	Electricity	69	80	72	...	...	2703	2760	3082	...	...	4101
420	Water works and supply . b/	8	8	8	...	...	237	249	256	...	...	420
4	Electricity,gas etc	90	101	93	...	...	3407	3474	3835	...	...	4
2-4	All industry	2012	2078	2158	...	...	56798	60073	65952	...	...	2-4

Note. For certain differences in classification, see country note.

a/ Including estimates for synthetic oil plants.

b/ Municipalities with populations of 10 000 or more.

CANADA

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES (THOUSANDS)					6. WAGES AND SALARIES OF OPERATIVES (MILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	8	8	9	...	...	335	351	379	...	...	210
220	Petroleum and gas ..... a/	13	13	14	...	...	527	603	677	...	...	220
230	Metal ore mining	35	34	37	37	...	1309	1327	1540	1654	...	230
290	Other mining	12	13	13	326	...	361	401	430	393	...	290
2	Mining, quarrying .	68	68	73	...	...	2532	2682	3026	...	...	2
311/2	Food products	138	...	143	146	...	2940	...	3356	3527	...	311/2
313	Beverages	17	...	18	16	...	516	...	553	535	...	313
314	Tobacco	4	...	3	3	...	138	...	117	119	...	314
321	Textiles	63	...	65	64	...	1196	...	1364	1388	...	321
3211	Spinning,weaving etc..	23	...	24	23	...	463	...	543	540	...	3211
322	Wearing apparel	93	...	93	89	...	1281	...	1416	1402	...	322
323	Leather and products ...	6	...	5	5	...	93	...	85	89	...	323
324	Footwear	14	...	13	11	...	210	...	201	184	...	324
331	Wood products	88	...	98	97	...	2145	...	2655	2729	...	331
332	Furniture, fixtures	52	...	58	61	...	934	...	1147	1248	...	332
341	Paper and products	87	...	90	90	...	2857	...	3147	3291	...	341
3411	Pulp,paper etc.	60	...	61	61	...	2189	...	2405	2510	...	3411
342	Printing,publishing	78	...	83	87	...	1970	...	2354	2602	...	342
351	Industrial chemicals ...	18	...	19	19	...	672	...	750	786	...	351
3511	Basic excl fertilizers	11	...	12	12	...	459	...	529	560	...	3511
3513	Synthetic resins etc .	4	...	4	4	...	122	...	142	141	...	3513
352	Other chemical products.	34	...	36	37	...	778	...	924	1002	...	352
3522	Drugs and medicines ..	8	...	8	9	...	181	...	210	234	...	3522
353	Petroleum refineries ...	6	...	6	6	...	251	...	300	305	...	353
354	Petroleum,coal products.	2	...	2	2	...	50	...	55	63	...	354
355	Rubber products	19	...	19	19	...	497	...	540	542	...	355
356	Plastic products n.e.c..	43	...	52	55	...	832	...	1093	1209	...	356
361	Pottery,china etc	2	...	1	1	...	40	...	33	31	...	361
362	Glass and products	11	...	11	10	...	289	...	306	308	...	362
369	Non-metal products n.e.c	29	...	34	34	...	792	...	970	1035	...	369
371	Iron and steel	45	...	49	47	...	1554	...	1823	1840	...	371
372	Non-ferrous metals	34	...	35	35	...	1091	...	1257	1352	...	372
381	Metal products	102	...	114	122	...	2276	...	2766	3137	...	381
382	Machinery n.e.c.	101	...	121	127	...	2407	...	2986	3307	...	382
3825	Office,computing etc..	8	...	9	9	...	201	...	192	199	...	3825
383	Electrical machinery ...	78	...	91	92	...	1860	...	2332	2516	...	383
3832	Radio,television etc..	36	...	47	48	...	935	...	1290	1416	...	3832
384	Transport equipment	146	...	161	166	...	4493	...	5267	5670	...	384
3841	Shipbuilding, repair..	11	...	13	14	...	300	...	341	399	...	3841
3843	Motor vehicles	105	...	113	117	...	3327	...	3819	4062	...	3843
385	Professional goods	13	...	13	12	...	284	...	315	324	...	385
390	Other industries	36	...	40	42	...	634	...	739	834	...	390
3	Manufacturing	1359	...	1473	1496	...	33080	...	38853	41374	...	3
410	Electricity,gas,steam .. b/	10	10	10	...	...	311	304	337	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

Note. For certain differences in classification, see country note.

a/ Including estimates for synthetic oil plants. b/ Gas only.

ISIC	INDUSTRY	7. HOURS WORKED BY OPERATIVES (MILLIONS)					8. QUANTITY OF ELECTRICITY CONSUMED a/ (MILLION KWH)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	15	15	16	...	...	1042	1082	...	...	...	210
220	Petroleum and gas ..... b/	...	...	...	...	...	6341	6940	7739	...	...	220
230	Metal ore mining	65	66	70	69	...	12065	12129	...	...	...	230
290	Other mining	25	26	27	24	...	2106	2236	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	21554	22387	...	...	...	2
311/2	Food products	250	...	267	267	...	...	...	...	...	...	311/2
313	Beverages	33	...	33	30	...	...	...	...	...	...	313
314	Tobacco	6	...	5	4	...	...	...	...	...	...	314
321	Textiles	123	...	126	124	...	...	...	...	...	...	321
3211	Spinning,weaving etc..	43	...	47	46	...	...	...	...	...	...	3211
322	Wearing apparel	171	...	177	162	...	...	...	...	...	...	322
323	Leather and products ...	11	...	10	10	...	...	...	...	...	...	323
324	Footwear	26	...	24	21	...	...	...	...	...	...	324
331	Wood products	164	...	189	186	...	...	...	...	...	...	331
332	Furniture, fixtures	104	...	114	117	...	...	...	...	...	...	332
341	Paper and products	163	...	168	169	...	...	...	...	...	...	341
3411	Pulp,paper etc.	112	...	116	116	...	...	...	...	...	...	3411
342	Printing,publishing	140	...	151	158	...	...	...	...	...	...	342
351	Industrial chemicals ...	36	...	37	37	...	...	...	...	...	...	351
3511	Basic excl fertilizers	22	...	24	25	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	8	...	8	7	...	...	...	...	...	...	3513
352	Other chemical products.	62	...	69	71	...	...	...	...	...	...	352
3522	Drugs and medicines ..	14	...	15	16	...	...	...	...	...	...	3522
353	Petroleum refineries ...	11	...	12	12	...	...	...	...	...	...	353
354	Petroleum,coal products.	4	...	4	4	...	...	...	...	...	...	354
355	Rubber products	34	...	36	36	...	...	...	...	...	...	355
356	Plastic products n.e.c..	82	...	99	104	...	...	...	...	...	...	356
361	Pottery,china etc	3	...	2	2	...	...	...	...	...	...	361
362	Glass and products	20	...	20	20	...	...	...	...	...	...	362
369	Non-metal products n.e.c	57	...	67	67	...	...	...	...	...	...	369
371	Iron and steel	87	...	96	87	...	...	...	...	...	...	371
372	Non-ferrous metals	62	...	64	66	...	...	...	...	...	...	372
381	Metal products	193	...	220	230	...	...	...	...	...	...	381
382	Machinery n.e.c.	196	...	229	243	...	...	...	...	...	...	382
3825	Office,computing etc..	16	...	17	16	...	...	...	...	...	...	3825
383	Electrical machinery ...	146	...	171	174	...	...	...	...	...	...	383
3832	Radio,television etc..	68	...	88	91	...	...	...	...	...	...	3832
384	Transport equipment	297	...	313	325	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	20	...	23	26	...	...	...	...	...	...	3841
3843	Motor vehicles	218	...	223	229	...	...	...	...	...	...	3843
385	Professional goods	25	...	24	24	...	...	...	...	...	...	385
390	Other industries	67	...	71	76	...	...	...	...	...	...	390
3	Manufacturing	2573	...	2798	2827	...	...	...	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity ..... c/	...	...	...	...	...	1762	1813	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

Note. For certain differences in classification, see country note.

a/ Purchased electricity only.
b/ Including estimates for synthetic oil plants.
c/ Consumption in own plant by utilities.

CANADA

ISIC	INDUSTRY	9. OUTPUT IN PRODUCERS' PRICES (BILLION DOLLARS)					10. VALUE ADDED IN PRODUCERS' PRICES (BILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	1.61	1.56	1.76	...	...	1.15	1.14	1.28	...	...	210
220	Petroleum and gas ..... a/	17.76	19.13	16.41	...	...	15.93	17.34	14.21	...	...	220
230	Metal ore mining	8.26	9.89	12.71	14.28	...	4.59	6.03	8.28	9.63	...	230
290	Other mining	2.17	2.59	2.99	2.85	...	1.47	1.80	2.14	2.00	...	290
2	Mining, quarrying .	29.80	33.17	33.87	...	...	23.14	26.31	25.91	...	...	2
311/2	Food products	40.56	42.55	44.06	45.19	...	11.74	12.81	13.28	13.66	...	311/2
313	Beverages	5.99	6.14	6.94	6.43	...	3.11	3.17	3.74	3.61	...	313
314	Tobacco	2.44	2.48	2.62	2.73	...	0.85	0.98	1.02	1.08	...	314
321	Textiles	7.83	8.35	8.65	8.76	...	3.31	3.44	3.61	3.66	...	321
3211	Spinning,weaving etc..	3.13	3.33	3.40	3.32	...	1.43	1.52	1.58	1.52	...	3211
322	Wearing apparel	5.95	6.39	6.68	7.12	...	2.83	3.04	3.12	3.37	...	322
323	Leather and products ...	0.45	0.49	0.52	0.53	...	0.18	0.18	0.20	0.22	...	323
324	Footwear	1.04	1.01	0.94	0.90	...	0.50	0.48	0.43	0.42	...	324
331	Wood products	12.25	14.46	15.22	15.63	...	5.19	6.14	5.85	5.98	...	331
332	Furniture, fixtures	4.23	4.67	5.02	5.34	...	2.10	2.30	2.43	2.62	...	332
341	Paper and products	20.42	23.46	26.34	26.63	...	8.71	10.75	12.27	11.73	...	341
3411	Pulp,paper etc.	15.68	18.35	20.68	20.75	...	6.97	8.85	10.18	9.55	...	3411
342	Printing,publishing	10.84	11.69	13.13	14.17	...	6.65	7.09	7.83	8.49	...	342
351	Industrial chemicals ...	11.76	12.64	14.95	15.37	...	3.97	4.50	6.32	6.30	...	351
3511	Basic excl fertilizers	7.38	7.79	9.58	9.68	...	2.71	3.03	4.46	4.49	...	3511
3513	Synthetic resins etc .	2.39	2.96	3.60	3.73	...	0.69	0.96	1.36	1.18	...	3513
352	Other chemical products.	10.97	11.95	12.78	13.57	...	5.56	6.11	6.51	7.05	...	352
3522	Drugs and medicines ..	3.00	3.68	3.99	4.06	...	1.89	2.23	2.50	2.57	...	3522
353	Petroleum refineries ...	15.65	17.52	15.08	15.58	...	1.84	1.96	2.86	1.61	...	353
354	Petroleum,coal products.	0.81	0.90	0.79	0.94	...	0.31	0.31	0.30	0.33	...	354
355	Rubber products	3.38	3.36	3.59	3.78	...	1.38	1.42	1.54	1.58	...	355
356	Plastic products n.e.c..	6.24	7.13	8.20	8.43	...	2.61	2.89	3.23	3.38	...	356
361	Pottery,china etc	0.15	0.20	0.16	0.14	...	0.10	0.13	0.10	0.09	...	361
362	Glass and products	1.49	1.57	1.59	1.64	...	0.78	0.87	0.87	0.82	...	362
369	Non-metal products n.e.c	5.77	6.62	7.10	7.41	...	2.74	3.16	3.50	3.60	...	369
371	Iron and steel	9.63	10.45	12.13	12.48	...	3.84	4.29	4.93	4.99	...	371
372	Non-ferrous metals	7.91	9.29	11.68	11.40	...	3.37	4.15	5.40	4.56	...	372
381	Metal products	14.71	16.48	17.59	18.60	...	6.50	7.18	7.61	7.93	...	381
382	Machinery n.e.c.	15.35	16.12	19.06	20.47	...	7.25	7.27	8.64	9.10	...	382
3825	Office,computing etc..	2.39	2.65	3.54	3.65	...	1.14	1.22	1.58	1.46	...	3825
383	Electrical machinery ...	13.55	15.23	16.63	17.94	...	6.43	7.53	8.12	8.87	...	383
3832	Radio,television etc..	6.39	7.55	8.19	9.00	...	3.33	4.12	4.34	4.84	...	3832
384	Transport equipment	58.94	58.70	68.90	70.76	...	13.25	13.77	15.97	17.63	...	384
3841	Shipbuilding, repair..	1.36	1.36	1.76	2.10	...	0.52	0.50	0.69	0.88	...	3841
3843	Motor vehicles	52.29	51.60	60.77	60.92	...	10.20	10.11	12.13	12.83	...	3843
385	Professional goods	1.70	1.81	1.96	2.05	...	0.93	0.92	1.01	1.05	...	385
390	Other industries	3.25	3.32	3.69	3.91	...	1.57	1.64	1.86	1.98	...	390
3	Manufacturing	293.34	314.96	345.99	357.92	...	107.58	118.52	132.55	135.71	...	3
410	Electricity,gas,steam ..	27.28	...	29.87	...	...	14.46	...	15.91	...	...	410
4101	Electricity	20.56	22.10	23.66	...	...	13.35	13.13	14.09	...	...	4101
420	Water works and supply .	1.26	1.33	1.42	...	...	0.54	0.50	0.55	...	...	420
4	Electricity,gas etc	28.51	...	31.29	...	...	14.93	...	16.46	...	...	4
2-4	All industry	351.65	...	411.15	...	...	145.65	...	174.92	...	...	2-4

Note. For certain differences in classification, see country note.

a/ Including estimates for synthetic oil plants.

ISIC	INDUSTRY	11. GROSS FIXED CAPITAL FORMATION TOTAL a/b/c/ (MILLION DOLLARS)					12. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/b/c/ (MILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	429	328	330	302	330	89	89	116	98	125	210
220	Petroleum and gas	5639	4589	5862	4737	5196	496	493	727	293	261	220
230	Metal ore mining	1299	1701	2175	1935	1780	319	373	566	579	421	230
290	Other mining	343	345	366	385	342	172	163	148	172	138	290
2	Mining, quarrying .	7710	6963	8733	7359	7648	1076	1118	1557	1142	946	2
311/2	Food products	826	989	1058	1186	1031	628	778	818	924	840	311/2
313	Beverages	194	216	286	231	367	163	174	231	198	343	313
314	Tobacco	42	36	35	...	...	36	34	32	...	...	314
321	Textiles	278	281	332	317	346	243	244	279	273	303	321
3211	Spinning,weaving etc..	224	214	229	238	289	195	185	197	205	254	3211
322	Wearing apparel	40	55	46	59	50	35	34	34	45	42	322
323	Leather and products ...	6	5	6	4	4	5	4	6	3	4	323
324	Footwear	11	25	13	7	10	6	17	10	6	9	324
331	Wood products	460	718	967	704	629	369	580	806	541	498	331
332	Furniture, fixtures	79	94	81	67	64	54	69	57	49	45	332
341	Paper and products	1942	2533	3632	5494	4292	1694	2279	3038	4497	3689	341
3411	Pulp,paper etc.	1647	2272	3180	4815	4055	1438	2058	2655	3901	3476	3411
342	Printing,publishing	314	348	389	531	607	277	307	319	405	440	342
351	Industrial chemicals ...	857	703	733	1174	1395	688	554	586	926	1132	351
3511	Basic excl fertilizers	735	589	607	980	1183	584	458	469	760	950	3511
3513	Synthetic resins etc .	113	101	117	176	197	98	84	108	157	168	3513
352	Other chemical products.	316	383	412	454	453	221	264	301	312	279	352
3522	Drugs and medicines ..	91	132	124	177	249	59	74	82	92	111	3522
353	Petroleum refineries ...	393	660	685	952	1001	121	196	247	328	337	353
354	Petroleum,coal products.	10	18	37	16	11	9	17	27	11	9	354
355	Rubber products	140	162	209	357	497	128	144	166	271	427	355
356	Plastic products n.e.c..	227	242	252	250	215	177	194	204	213	189	356
361	Pottery,china etc	12	54	24	5	12	9	38	20	4	11	361
362	Glass and products	96	97	72	129	191	86	90	61	86	167	362
369	Non-metal products n.e.c	223	206	345	435	338	200	155	271	359	294	369
371	Iron and steel	1065	863	600	698	731	900	746	516	515	626	371
372	Non-ferrous metals	669	626	930	1643	2172	434	478	727	1215	1167	372
381	Metal products	720	463	467	425	328	525	356	355	341	258	381
382	Machinery n.e.c.	289	323	406	467	502	211	277	313	364	191	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	560	613	593	603	600	452	511	475	518	516	383
3832	Radio,television etc..	329	365	384	324	340	275	316	302	277	301	3832
384	Transport equipment	2652	2559	2894	2446	1592	2284	2056	2414	2119	1283	384
3841	Shipbuilding, repair..	27	30	62	65	41	16	15	27	24	22	3841
3843	Motor vehicles	2382	2329	2579	2042	1227	2075	1827	2175	1845	1034	3843
385	Professional goods	123	121	117	128	83	91	90	96	93	77	385
390	Other industries	126	167	96	...	...	98	124	74	...	...	390
3	Manufacturing	12670	13560	15717	18942	17678	10144	10810	12483	14740	13509	3
410	Electricity,gas,steam ..	6290	6518	7574	9028	10958	2711	2813	3360	3922	4696	410
4101	Electricity	5617	5946	6971	8458	10291	2553	2669	3183	3756	4474	4101
420	Water works and supply .	14	19	50	48	58	-	-	1	-	-	420
4	Electricity,gas etc	6304	6537	7624	9076	11016	2711	2813	3361	3922	4696	4
2-4	All industry	26684	27060	32071	35377	36342	13931	14741	17401	19804	19151	2-4

Note. For certain differences in classification, see country note.

a/ Excluding used fixed assets.
b/ Manufacturing and electricity, gas and water: excluding capital items charged to operating expenses.
c/ Data are based on the 1970 edition of national classification.

CANADA

13. VALUE OF STOCKS AT END OF PERIOD
TOTAL
(MILLION DOLLARS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	1407	1203	1250	1263	...	230
290	Other mining	363	365	374	353	...	290
2	Mining, quarrying .	...	...	...	...	...	2
311/2	Food products	3332	3490	3749	3734	...	311/2
313	Beverages	1067	1037	1020	949	...	313
314	Tobacco	754	639	582	638	...	314
321	Textiles	1183	1290	1326	1386	...	321
3211	Spinning,weaving etc..	459	478	500	536	...	3211
322	Wearing apparel	1128	1261	1324	1387	...	322
323	Leather and products ...	83	91	111	105	...	323
324	Footwear	199	208	210	198	...	324
331	Wood products	1805	2018	2209	2329	...	331
332	Furniture, fixtures	649	716	799	811	...	332
341	Paper and products	2178	2317	2627	2905	...	341
3411	Pulp,paper etc.	1537	1633	1876	2141	...	3411
342	Printing,publishing	755	780	936	937	...	342
351	Industrial chemicals ...	2004	1917	2039	2103	...	351
3511	Basic excl fertilizers	1326	1302	1398	1406	...	3511
3513	Synthetic resins etc .	266	279	341	371	...	3513
352	Other chemical products.	1772	1863	1989	1993	...	352
3522	Drugs and medicines ..	534	616	626	640	...	3522
353	Petroleum refineries ...	1562	1660	1146	1489	...	353
354	Petroleum,coal products.	57	60	57	65	...	354
355	Rubber products	509	519	562	603	...	355
356	Plastic products n.e.c..	747	856	1023	993	...	356
361	Pottery,china etc	26	34	27	23	...	361
362	Glass and products	192	203	199	203	...	362
369	Non-metal products n.e.c	584	586	682	717	...	369
371	Iron and steel	2114	2028	2393	2682	...	371
372	Non-ferrous metals	1090	1032	1192	1155	...	372
381	Metal products	2302	2545	2669	2785	...	381
382	Machinery n.e.c.	3200	3027	3546	3690	...	382
3825	Office,computing etc..	486	456	538	591	...	3825
383	Electrical machinery ...	2509	2704	2890	2810	...	383
3832	Radio,television etc..	1078	1244	1373	1261	...	3832
384	Transport equipment	4536	4877	5220	5509	...	384
3841	Shipbuilding, repair..	196	130	162	179	...	3841
3843	Motor vehicles	2661	2826	2973	3176	...	3843
385	Professional goods	342	334	341	353	...	385
390	Other industries	628	587	709	737	...	390
3	Manufacturing	37311	38679	41575	43290	...	3
410	Electricity,gas,steam ..	2534	...	2845	...	...	410
4101	Electricity	1986	2090	2245	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	2-4

Note. For certain differences in classification, see country note.

14. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	111	130	207	212	188	211	249	249	241	11.6	210
220	Petroleum and gas	94	103	106	113	108	114	126	125	126	2.9	220
230	Metal ore mining	92	94	126	127	128	147	155	161	158	5.9	230
290	Other mining	69	76	94	89	94	104	109	110	109	1.1	290
2	Mining, quarrying .	92	99	112	117	113	123	134	135	135	3.8	2
311/2	Food products	101	100	104	111	111	111	112	112	112	1.4	311/2
313	Beverages	93	89	93	95	89	91	96	93	92	-1.0	313
314	Tobacco	100	90	86	71	67	71	69	63	59	-6.4	314
321	Textiles	80	102	81	104	115	115	118	116	104	0.5	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	88	88	95	76	103	107	105	105	94	-0.8	322
323	Leather and products ... b/	81	83	86	87	81	75	73	66	58	-6.6	323
324	Footwear	98	105	118	111	113	105	97	97	89	-1.4	324
331	Wood products	79	98	110	124	125	144	145	143	130	3.3	331
332	Furniture, fixtures .... c/	83	94	102	113	119	119	118	119	100	0.0	332
341	Paper and products	85	95	98	97	102	108	111	111	108	1.0	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	93	97	104	109	112	112	117	117	108	1.0	342
351	Industrial chemicals ... d/	87	113	128	123	127	140	144	143	149	5.1	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. d/	94	101	106	114	114	120	119	122	115	1.8	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	98	97	98	96	92	97	98	101	103	0.4	353
354	Petroleum,coal products.	105	106	130	123	159	168	145	146	140	4.3	354
355	Rubber products	91	107	134	136	120	126	132	138	130	3.3	355
356	Plastic products n.e.c..	97	114	135	157	167	181	189	192	174	7.2	356
361	Pottery,china etc ..... e/	72	77	84	92	100	110	114	112	101	0.1	361
362	Glass and products	85	104	118	126	119	127	125	130	120	2.3	362
369	Non-metal products n.e.c e/	...	...	...	...	...	...	...	...	...	...	369
371	Iron and steel	65	77	95	98	93	99	109	106	95	-0.6	371
372	Non-ferrous metals	90	94	116	125	124	142	153	152	145	4.8	372
381	Metal products ..... c/	85	80	85	96	99	105	107	110	102	0.2	381
382	Machinery n.e.c. ..... f/	83	80	108	120	128	132	150	152	150	5.2	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... f/	97	94	109	114	118	129	136	139	131	3.4	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	93	105	133	141	135	135	159	162	150	5.2	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	94	86	96	102	106	113	118	117	111	1.3	385
390	Other industries	90	94	106	109	92	94	99	97	91	-1.2	390
3	Manufacturing	88	94	106	112	113	118	125	125	118	2.1	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	99	106	111	119	122	126	130	130	126	2.9	4
2-4	All industry	91	97	109	115	115	121	127	128	122	2.5	2-4

a/ Annual growth rate 1982-1990. b/ Excluding fur dressing and dyeing industries.
c/ Manufacture of metal furniture and fixtures is included in major group 332.
d/ Synthetic resins and plastic materials are included in major group 352.
e/ Major group 369 is included in 361.
f/ Electronic computers and their accessories are included in major group 383.

The information in the tables, except for the indices, is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Instituto Nacional de Estadísticas, Santiago. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates are derived from the annual industrial survey conducted by the Instituto Nacional de Estadísticas. The survey covers establishments with 10 or more persons engaged on a complete enumeration basis. The inquiry is carried out by enumerators of the Instituto Nacional de Estadísticas. Data had been adjusted for non-response. The estimates are compiled according to the present version of ISIC.

The number of establishments represents the number estimated by taking account of the number of new establishments and those closed down during the year. Estimates of employment relate to averages of four periods (February, May, August and November) during the reference year. Wages and salaries include commissions, overtime payments, bonuses, rewards, profit shares paid to employees and other payments directly related with the work of employees. Employers' contributions to the social security fund are excluded.

Output is the sum of the value of sales of products, net change between the beginning and the end of the year in the value of work in progress and finished goods, value of goods sold in the same condition as purchased, value of work done for others, value of electricity sold and value of fixed assets produced by the establishment for its own use. Value added is the difference between the value of output and the value of inputs (i.e., the cost of materials, supplies, fuels, and electricity purchased, cost of goods sold in the same condition as purchased, value of work done by others and net change between the beginning and the end of the year in the value of stocks of materials, fuels etc.). Valuation of output and value added is in producers' prices.

Gross fixed capital formation represents the sum of purchase values of fixed capital assets, new and used, less the value of assets sold plus the value of improvements of land and the value of new assets produced and developments made by workers of the establishments for their own use.

The indices of industrial production are compiled by the Instituto Nacional de Estadísticas and provided in response to the United Nations Questionnaire on Indices of Industrial Production. The indices cover, in principle, all establishments employing 10 or more persons.

Related national publication:

Industrias Manufactureras (annual), published by the Instituto Nacional de Estadísticas, Santiago.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER) a/ 1986	1987	1988	b/ 1989	1990	2. AVERAGE NUMBER OF PERSONS ENGAGED (THOUSANDS) a/ 1986	1987	1988	b/ 1989	1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	306	...	...	379	...	51.76	...	...	72.16	...	311/2
313	Beverages	51	...	...	55	...	7.40	...	...	10.57	...	313
314	Tobacco	2	...	...	2	...	0.61	...	...	0.64	...	314
321	Textiles	91	...	...	124	...	19.95	...	...	26.38	...	321
3211	Spinning,weaving etc..	51	...	...	59	...	15.93	...	...	19.33	...	3211
322	Wearing apparel	74	...	...	112	...	9.76	...	...	17.73	...	322
323	Leather and products ...	15	...	...	16	...	1.45	...	...	1.76	...	323
324	Footwear	45	...	...	55	...	7.51	...	...	10.91	...	324
331	Wood products	93	...	...	122	...	14.84	...	...	20.83	...	331
332	Furniture, fixtures	27	...	...	33	...	3.20	...	...	5.18	...	332
341	Paper and products	27	...	...	36	...	6.30	...	...	8.77	...	341
3411	Pulp,paper etc.	8	...	...	12	...	3.90	...	...	4.53	...	3411
342	Printing,publishing	41	...	...	51	...	6.80	...	...	8.61	...	342
351	Industrial chemicals ...	20	...	...	21	...	6.74	...	...	3.23	...	351
3511	Basic excl fertilizers	12	...	...	11	...	5.64	...	...	1.39	...	3511
3513	Synthetic resins etc .	5	...	...	6	...	0.56	...	...	1.14	...	3513
352	Other chemical products.	77	...	...	92	...	10.84	...	...	16.34	...	352
3522	Drugs and medicines ..	36	...	...	35	...	4.65	...	...	5.89	...	3522
353	Petroleum refineries ...	2	...	...	2	...	1.18	...	...	1.22	...	353
354	Petroleum,coal products.	8	...	...	10	...	0.77	...	...	1.49	...	354
355	Rubber products	13	...	...	18	...	2.47	...	...	3.29	...	355
356	Plastic products n.e.c..	53	...	...	78	...	6.19	...	...	9.67	...	356
361	Pottery,china etc	6	...	...	7	...	1.93	...	...	3.59	...	361
362	Glass and products	10	...	...	11	...	1.48	...	...	2.06	...	362
369	Non-metal products n.e.c	28	...	...	40	...	3.82	...	...	6.52	...	369
371	Iron and steel	21	...	...	22	...	8.23	...	...	7.89	...	371
372	Non-ferrous metals	17	...	...	24	...	9.27	...	...	8.91	...	372
381	Metal products	109	...	...	139	...	13.63	...	...	19.19	...	381
382	Machinery n.e.c.	38	...	...	72	...	7.02	...	...	13.46	...	382
3825	Office,computing etc..	-	...	...	-	...	-	...	...	-	...	3825
383	Electrical machinery ...	27	...	...	29	...	4.06	...	...	4.08	...	383
3832	Radio,television etc..	2	...	...	3	...	0.59	...	...	0.44	...	3832
384	Transport equipment	30	...	...	41	...	3.69	...	...	6.61	...	384
3841	Shipbuilding, repair..	5	...	...	10	...	0.84	...	...	1.71	...	3841
3843	Motor vehicles	19	...	...	25	...	2.10	...	...	3.75	...	3843
385	Professional goods	5	...	...	6	...	0.37	...	...	0.54	...	385
390	Other industries	9	...	...	18	...	0.66	...	...	1.58	...	390
3	Manufacturing	1245	...	...	1615	...	211.95	...	...	293.21	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 50 or more persons engaged.

b/ Establishments with 10 or more persons engaged.

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ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES (THOUSANDS) a/ 1986	1987	1988	b/ 1989	1990	4. WAGES AND SALARIES OF EMPLOYEES (MILLION PESOS) a/ 1986	1987	1988	b/ 1989	1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	51.55	...	...	71.90	...	27474	...	...	69752	...	311/2
313	Beverages	7.40	...	...	10.51	...	5235	...	...	12625	...	313
314	Tobacco	0.61	...	...	0.64	...	847	...	...	1400	...	314
321	Textiles	19.88	...	...	26.23	...	8556	...	...	21540	...	321
3211	Spinning,weaving etc..	15.91	...	...	19.29	...	7148	...	...	16538	...	3211
322	Wearing apparel	9.63	...	...	17.56	...	3684	...	...	12242	...	322
323	Leather and products ...	1.44	...	...	1.74	...	670	...	...	1598	...	323
324	Footwear	7.42	...	...	10.84	...	2818	...	...	7807	...	324
331	Wood products	14.75	...	...	20.71	...	4691	...	...	14520	...	331
332	Furniture, fixtures	3.18	...	...	5.15	...	1055	...	...	3680	...	332
341	Paper and products	6.30	...	...	8.73	...	6008	...	...	13992	...	341
3411	Pulp,paper etc.	3.90	...	...	4.53	...	4356	...	...	9067	...	3411
342	Printing,publishing	6.79	...	...	8.58	...	5952	...	...	12412	...	342
351	Industrial chemicals ...	6.74	...	...	3.22	...	5702	...	...	6467	...	351
3511	Basic excl fertilizers	5.64	...	...	1.39	...	4515	...	...	3030	...	3511
3513	Synthetic resins etc .	0.56	...	...	1.14	...	547	...	...	1498	...	3513
352	Other chemical products.	10.81	...	...	16.29	...	12682	...	...	30102	...	352
3522	Drugs and medicines ..	4.63	...	...	5.87	...	5971	...	...	12262	...	3522
353	Petroleum refineries ...	1.18	...	...	1.22	...	2692	...	...	5096	...	353
354	Petroleum,coal products.	0.77	...	...	1.49	...	708	...	...	2978	...	354
355	Rubber products	2.46	...	...	3.27	...	1794	...	...	4299	...	355
356	Plastic products n.e.c..	6.14	...	...	9.59	...	2761	...	...	8144	...	356
361	Pottery,china etc	1.93	...	...	3.58	...	765	...	...	2168	...	361
362	Glass and products	1.47	...	...	2.06	...	1047	...	...	2662	...	362
369	Non-metal products n.e.c	3.81	...	...	6.49	...	3787	...	...	10016	...	369
371	Iron and steel	8.22	...	...	7.87	...	8266	...	...	14715	...	371
372	Non-ferrous metals	9.27	...	...	8.90	...	14503	...	...	20685	...	372
381	Metal products	13.54	...	...	19.06	...	7571	...	...	19734	...	381
382	Machinery n.e.c.	6.99	...	...	13.34	...	8508	...	...	21696	...	382
3825	Office,computing etc..	-	...	...	-	...	-	...	...	-	...	3825
383	Electrical machinery ...	3.82	...	...	4.08	...	3893	...	...	6377	...	383
3832	Radio,television etc..	0.59	...	...	0.44	...	459	...	...	750	...	3832
384	Transport equipment	3.66	...	...	6.57	...	2300	...	...	7250	...	384
3841	Shipbuilding, repair..	0.83	...	...	1.70	...	556	...	...	1977	...	3841
3843	Motor vehicles	2.10	...	...	3.72	...	1314	...	...	4168	...	3843
385	Professional goods	0.37	...	...	0.53	...	209	...	...	640	...	385
390	Other industries	0.64	...	...	1.56	...	265	...	...	998	...	390
3	Manufacturing	210.77	...	...	291.71	...	144441	...	...	335595	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 50 or more persons engaged.

b/ Establishments with 10 or more persons engaged.

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES (THOUSANDS) a/ 1986	1987	1988	b/ 1989	1990	6. WAGES AND SALARIES OF OPERATIVES (MILLION PESOS) a/ 1986	1987	1988	b/ 1989	1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	39.90	...	...	54.69	...	13256	...	...	34237	...	311/2
313	Beverages	4.83	...	...	6.53	...	1681	...	...	4509	...	313
314	Tobacco	0.32	...	...	0.35	...	284	...	...	609	...	314
321	Textiles	15.58	...	...	20.52	...	4514	...	...	11410	...	321
3211	Spinning,weaving etc..	12.42	...	...	15.15	...	3688	...	...	8598	...	3211
322	Wearing apparel	8.10	...	...	14.13	...	2317	...	...	7421	...	322
323	Leather and products ...	1.12	...	...	1.35	...	382	...	...	865	...	323
324	Footwear	6.30	...	...	9.19	...	1862	...	...	5076	...	324
331	Wood products	13.00	...	...	18.20	...	2926	...	...	9475	...	331
332	Furniture, fixtures	2.66	...	...	4.26	...	597	...	...	1930	...	332
341	Paper and products	3.71	...	...	5.54	...	1801	...	...	4996	...	341
3411	Pulp,paper etc.	1.99	...	...	2.49	...	1044	...	...	2600	...	3411
342	Printing,publishing	3.78	...	...	4.58	...	2352	...	...	4671	...	342
351	Industrial chemicals ...	4.80	...	...	2.03	...	2288	...	...	2078	...	351
3511	Basic excl fertilizers	4.16	...	...	0.90	...	1937	...	...	1267	...	3511
3513	Synthetic resins etc .	0.34	...	...	0.82	...	125	...	...	362	...	3513
352	Other chemical products.	5.60	...	...	8.61	...	3428	...	...	7437	...	352
3522	Drugs and medicines ..	2.38	...	...	2.74	...	1392	...	...	2303	...	3522
353	Petroleum refineries ...	0.02	...	...	0.57	...	23	...	...	2026	...	353
354	Petroleum,coal products.	0.51	...	...	0.80	...	251	...	...	710	...	354
355	Rubber products	1.90	...	...	2.40	...	910	...	...	1886	...	355
356	Plastic products n.e.c..	4.90	...	...	7.60	...	1364	...	...	4198	...	356
361	Pottery,china etc	1.54	...	...	3.30	...	454	...	...	1654	...	361
362	Glass and products	1.01	...	...	1.51	...	413	...	...	1162	...	362
369	Non-metal products n.e.c	2.63	...	...	4.50	...	1208	...	...	4412	...	369
371	Iron and steel	5.92	...	...	5.83	...	4442	...	...	8757	...	371
372	Non-ferrous metals	4.98	...	...	5.31	...	6127	...	...	8882	...	372
381	Metal products	10.31	...	...	14.42	...	3996	...	...	10568	...	381
382	Machinery n.e.c.	3.59	...	...	8.64	...	2232	...	...	9408	...	382
3825	Office,computing etc..	-	...	...	-	...	-	...	...	-	...	3825
383	Electrical machinery ...	2.15	...	...	2.56	...	1071	...	...	2277	...	383
3832	Radio,television etc..	0.23	...	...	0.25	...	87	...	...	106	...	3832
384	Transport equipment	2.82	...	...	5.09	...	1225	...	...	4015	...	384
3841	Shipbuilding, repair..	0.66	...	...	1.31	...	293	...	...	1066	...	3841
3843	Motor vehicles	1.57	...	...	2.89	...	624	...	...	2318	...	3843
385	Professional goods	0.24	...	...	0.33	...	99	...	...	275	...	385
390	Other industries	0.50	...	...	1.13	...	134	...	...	558	...	390
3	Manufacturing	153.08	...	...	213.97	...	61638	...	...	155502	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 50 or more persons engaged.

b/ Establishments with 10 or more persons engaged.

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ISIC	INDUSTRY	7. QUANTITY OF ELECTRICITY CONSUMED (MILLION KWH)					8. OUTPUT IN PRODUCERS' PRICES (BILLION PESOS)					ISIC
		a/ 1986	1987	1988	b/ 1989	1990	a/ 1986	1987	1988	b/ 1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	501	...	...	626	...	468.6	...	...	1047.7	...	311/2
313	Beverages	45	...	...	62	...	73.8	...	...	169.7	...	313
314	Tobacco	6	...	...	8	...	20.9	...	...	80.9	...	314
321	Textiles	192	...	...	251	...	78.8	...	...	181.2	...	321
3211	Spinning,weaving etc..	178	...	...	232	...	65.5	...	...	136.3	...	3211
322	Wearing apparel	79	...	...	21	...	33.3	...	...	88.7	...	322
323	Leather and products ...	8	...	...	9	...	10.4	...	...	21.9	...	323
324	Footwear	16	...	...	20	...	24.8	...	...	65.2	...	324
331	Wood products	114	...	...	178	...	45.8	...	...	175.4	...	331
332	Furniture, fixtures	9	...	...	14	...	8.8	...	...	26.5	...	332
341	Paper and products	1237	...	...	991	...	118.7	...	...	294.5	...	341
3411	Pulp,paper etc.	949	...	...	933	...	91.7	...	...	209.7	...	3411
342	Printing,publishing	40	...	...	34	...	40.7	...	...	93.2	...	342
351	Industrial chemicals ...	412	...	...	302	...	42.6	...	...	122.5	...	351
3511	Basic excl fertilizers	372	...	...	206	...	24.9	...	...	57.8	...	3511
3513	Synthetic resins etc .	32	...	...	36	...	7.8	...	...	25.0	...	3513
352	Other chemical products.	41	...	...	56	...	112.0	...	...	275.5	...	352
3522	Drugs and medicines ..	13	...	...	14	...	38.2	...	...	82.5	...	3522
353	Petroleum refineries ...	85	...	...	85	...	186.0	...	...	413.9	...	353
354	Petroleum,coal products.	5	...	...	8	...	65.8	...	...	52.7	...	354
355	Rubber products	24	...	...	37	...	21.6	...	...	38.4	...	355
356	Plastic products n.e.c..	53	...	...	90	...	28.9	...	...	82.2	...	356
361	Pottery,china etc	13	...	...	11	...	4.2	...	...	28.7	...	361
362	Glass and products	20	...	...	32	...	10.1	...	...	22.2	...	362
369	Non-metal products n.e.c	643	...	...	321	...	40.1	...	...	107.2	...	369
371	Iron and steel	624	...	...	611	...	102.4	...	...	186.2	...	371
372	Non-ferrous metals	2093	...	...	756	...	454.4	...	...	1370.9	...	372
381	Metal products	463	...	...	90	...	67.0	...	...	202.4	...	381
382	Machinery n.e.c.	204	...	...	295	...	30.6	...	...	106.7	...	382
3825	Office,computing etc..	-	...	...	-	...	-	...	...	-	...	3825
383	Electrical machinery ...	18	...	...	24	...	24.1	...	...	66.6	...	383
3832	Radio,television etc..	1	...	...	1	...	4.6	...	...	15.3	...	3832
384	Transport equipment	19	...	...	25	...	27.1	...	...	136.5	...	384
3841	Shipbuilding, repair..	3	...	...	5	...	3.7	...	...	14.4	...	3841
3843	Motor vehicles	13	...	...	16	...	21.3	...	...	115.4	...	3843
385	Professional goods	1	...	...	1	...	-	...	...	4.1	...	385
390	Other industries	1	...	...	5	...	2.5	...	...	6.4	...	390
3	Manufacturing	6971	...	...	4965	...	2146.4	...	...	5468.0	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 50 or more persons engaged.

b/ Establishments with 10 or more persons engaged.

ISIC	INDUSTRY	9. VALUE ADDED IN PRODUCERS' PRICES (BILLION PESOS) a/ 1986	1987	1988	b/ 1989	1990	10. GROSS FIXED CAPITAL FORMATION TOTAL (MILLION PESOS) a/ 1986	1987	1988	b/ 1989	1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	159.1	...	...	398.1	...	21219	...	...	50657	...	311/2
313	Beverages	39.4	...	...	81.2	...	961	...	...	6345	...	313
314	Tobacco	15.0	...	...	71.5	...	-34	...	...	561	...	314
321	Textiles	39.4	...	...	87.9	...	3491	...	...	14317	...	321
3211	Spinning,weaving etc..	33.4	...	...	67.3	...	3099	...	...	11877	...	3211
322	Wearing apparel	15.5	...	...	41.3	...	1235	...	...	3980	...	322
323	Leather and products ...	3.1	...	...	7.6	...	80	...	...	433	...	323
324	Footwear	10.0	...	...	31.2	...	822	...	...	2941	...	324
331	Wood products	20.4	...	...	72.7	...	2696	...	...	12099	...	331
332	Furniture, fixtures	4.4	...	...	14.6	...	146	...	...	838	...	332
341	Paper and products	63.1	...	...	156.6	...	3147	...	...	30250	...	341
3411	Pulp,paper etc.	53.8	...	...	118.7	...	2229	...	...	27100	...	3411
342	Printing,publishing	20.3	...	...	49.9	...	1106	...	...	5853	...	342
351	Industrial chemicals ...	14.5	...	...	64.3	...	1591	...	...	3790	...	351
3511	Basic excl fertilizers	9.8	...	...	31.5	...	1638	...	...	2760	...	3511
3513	Synthetic resins etc .	3.1	...	...	10.5	...	-361	...	...	419	...	3513
352	Other chemical products.	54.4	...	...	133.7	...	2252	...	...	11225	...	352
3522	Drugs and medicines ..	20.3	...	...	45.4	...	644	...	...	4223	...	3522
353	Petroleum refineries ...	39.1	...	...	124.5	...	3887	...	...	4013	...	353
354	Petroleum,coal products.	11.4	...	...	23.2	...	195	...	...	2072	...	354
355	Rubber products	8.6	...	...	17.1	...	609	...	...	2053	...	355
356	Plastic products n.e.c..	12.7	...	...	34.9	...	1139	...	...	4027	...	356
361	Pottery,china etc	2.0	...	...	5.3	...	104	...	...	839	...	361
362	Glass and products	6.1	...	...	13.1	...	65	...	...	1056	...	362
369	Non-metal products n.e.c	24.4	...	...	50.7	...	1811	...	...	13722	...	369
371	Iron and steel	45.6	...	...	92.9	...	2064	...	...	1458	...	371
372	Non-ferrous metals	196.5	...	...	505.8	...	15765	...	...	9624	...	372
381	Metal products	27.9	...	...	83.2	...	1934	...	...	13101	...	381
382	Machinery n.e.c.	11.9	...	...	39.2	...	4011	...	...	7479	...	382
3825	Office,computing etc..	-	...	...	-	...	-	...	...	-	...	3825
383	Electrical machinery ...	12.4	...	...	34.9	...	2230	...	...	6347	...	383
3832	Radio,television etc..	1.8	...	...	6.8	...	59	...	...	1028	...	3832
384	Transport equipment	8.9	...	...	29.6	...	346	...	...	3319	...	384
3841	Shipbuilding, repair..	2.0	...	...	6.7	...	112	...	...	1801	...	3841
3843	Motor vehicles	6.2	...	...	20.2	...	216	...	...	1280	...	3843
385	Professional goods	0.7	...	...	2.2	...	37	...	...	110	...	385
390	Other industries	1.1	...	...	3.4	...	40	...	...	228	...	390
3	Manufacturing	867.8	...	...	2266.5	...	72950	...	...	212737	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 50 or more persons engaged.

b/ Establishments with 10 or more persons engaged.

CHILE

ISIC	INDUSTRY	11. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT (MILLION PESOS) a/ 1986	1987	1988	b/ 1989	1990	12. VALUE OF STOCKS AT END OF PERIOD TOTAL (MILLION PESOS) a/ 1986	1987	1988	b/ 1989	1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	15468	...	...	36474	...	55203	...	...	124046	...	311/2
313	Beverages	755	...	...	4034	...	10299	...	...	18208	...	313
314	Tobacco	241	...	...	417	...	4937	...	...	5780	...	314
321	Textiles	3148	...	...	12336	...	19471	...	...	49689	...	321
3211	Spinning,weaving etc..	2806	...	...	10723	...	16204	...	...	39257	...	3211
322	Wearing apparel	1012	...	...	2237	...	11228	...	...	24839	...	322
323	Leather and products ...	76	...	...	321	...	2344	...	...	4144	...	323
324	Footwear	601	...	...	1918	...	3899	...	...	10361	...	324
331	Wood products	2077	...	...	10550	...	10991	...	...	27446	...	331
332	Furniture, fixtures	115	...	...	545	...	1987	...	...	6872	...	332
341	Paper and products	2877	...	...	28455	...	21900	...	...	48310	...	341
3411	Pulp,paper etc.	1985	...	...	25489	...	17784	...	...	35717	...	3411
342	Printing,publishing	546	...	...	2922	...	5301	...	...	12258	...	342
351	Industrial chemicals ...	1493	...	...	2488	...	6382	...	...	16044	...	351
3511	Basic excl fertilizers	1551	...	...	1635	...	2990	...	...	7582	...	3511
3513	Synthetic resins etc .	-323	...	...	345	...	1667	...	...	4893	...	3513
352	Other chemical products.	1338	...	...	7114	...	21307	...	...	61756	...	352
3522	Drugs and medicines ..	370	...	...	2249	...	8021	...	...	19257	...	3522
353	Petroleum refineries ...	3893	...	...	3617	...	20800	...	...	34932	...	353
354	Petroleum,coal products.	122	...	...	1377	...	4599	...	...	11034	...	354
355	Rubber products	586	...	...	1848	...	3885	...	...	7501	...	355
356	Plastic products n.e.c..	1017	...	...	2739	...	5017	...	...	11879	...	356
361	Pottery,china etc	95	...	...	465	...	1074	...	...	2849	...	361
362	Glass and products	46	...	...	1020	...	1319	...	...	3189	...	362
369	Non-metal products n.e.c	927	...	...	7317	...	6766	...	...	13236	...	369
371	Iron and steel	1932	...	...	1338	...	17357	...	...	29789	...	371
372	Non-ferrous metals	10876	...	...	7479	...	57589	...	...	92106	...	372
381	Metal products	1340	...	...	8339	...	12634	...	...	40658	...	381
382	Machinery n.e.c.	2826	...	...	6640	...	2989	...	...	17415	...	382
3825	Office,computing etc..	-	...	...	-	...	-	...	...	-	...	3825
383	Electrical machinery ...	1679	...	...	4940	...	7435	...	...	11755	...	383
3832	Radio,television etc..	49	...	...	157	...	1861	...	...	2184	...	3832
384	Transport equipment	242	...	...	2670	...	5377	...	...	21148	...	384
3841	Shipbuilding, repair..	90	...	...	1594	...	1164	...	...	4532	...	3841
3843	Motor vehicles	139	...	...	996	...	3923	...	...	15620	...	3843
385	Professional goods	35	...	...	90	...	468	...	...	777	...	385
390	Other industries	8	...	...	157	...	603	...	...	1931	...	390
3	Manufacturing	55374	...	...	159747	...	323161	...	...	709952	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 50 or more persons engaged.

b/ Establishments with 10 or more persons engaged.

13. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	98	108	131	138	145	174	248	242	274	13.4	210
220	Petroleum and gas ..... b/	128	118	116	107	100	90	73	66	59	-6.4	220
230	Metal ore mining ..... c/	120	120	126	132	134	135	141	155	156	5.7	230
290	Other mining	90	99	113	79	87	99	118	124	118	2.1	290
2	Mining, quarrying . b/c/	119	119	125	129	130	131	137	148	150	5.2	2
311/2	Food products ..... d/	108	109	126	123	134	128	134	144	138	4.1	311/2
313	Beverages	92	96	97	100	101	99	118	143	143	4.6	313
314	Tobacco	73	73	77	77	79	78	86	92	95	-0.6	314
321	Textiles	69	78	98	105	124	130	124	126	118	2.1	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	64	66	78	84	93	101	98	108	101	0.1	322
323	Leather and products ...	83	83	82	70	65	59	56	69	76	-3.4	323
324	Footwear	86	103	101	96	97	96	103	115	109	1.1	324
331	Wood products ..... e/	75	88	99	94	97	116	110	94	97	-0.4	331
332	Furniture, fixtures	59	49	68	77	117	195	244	280	288	14.1	332
341	Paper and products	91	104	109	115	122	123	135	137	141	4.4	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	91	88	90	80	95	101	108	128	146	4.8	342
351	Industrial chemicals ...	70	84	89	91	91	103	118	120	119	2.2	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	95	94	103	98	113	116	126	139	136	3.9	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	74	84	84	85	89	96	108	131	133	3.6	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	62	89	103	99	91	98	95	105	103	0.4	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	12	60	115	131	138	145	151	166	147	4.9	361
362	Glass and products	50	83	79	92	109	102	129	183	182	7.8	362
369	Non-metal products n.e.c	64	83	89	92	109	97	130	147	129	3.2	369
371	Iron and steel	60	76	91	90	92	96	120	120	106	0.7	371
372	Non-ferrous metals ..... c/	108	109	114	110	115	117	123	131	136	3.9	372
381	Metal products	83	82	83	90	97	109	118	129	127	3.0	381
382	Machinery n.e.c.	44	37	48	42	54	63	64	80	89	-1.4	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	52	62	74	76	96	110	124	135	141	4.4	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	54	37	38	48	43	49	51	64	56	-7.0	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	70	72	74	57	60	63	58	64	64	-5.4	390
3	Manufacturing ..... c/d/e/	85	89	98	98	106	110	119	129	128	3.1	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Annual growth rate 1982-1990.
b/ Excluding natural gas.
c/ Smelting and refining of copper is included in major group 230.
d/ Excluding slaughtering.
e/ Excluding sawmills.

CHINA

The information in the tables is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the State Statistical Bureau, Beijing. The concepts, definitions and classification by branches of industry have been adjusted as far as possible to comply with United Nations standards.

The estimates are based on regular reports of industrial undertakings. The coverage of estimates in the tables is different from table to table. The number of enterprises and the estimates of output relate to whole-people-owned and collectively-owned industrial enterprises whether they keep independent account or non-independent account. The average number of employees and wages and salaries of employees relate to industrial enterprises owned by the whole people with independent account. "Employees" are defined as workers and staff members enrolled in these enterprises. Data on value added refer to whole-people-owned and collectively-owned enterprises with independent account. Estimates of gross fixed capital formation relate to the value of investment covered by the State budget and investment put up by various departments, localities and enterprises.

The classification system on which the data are based is not comparable with ISIC. In the tables, the grouping by branches of industry has been adjusted as far as possible to comply with ISIC.

Estimates of output are at constant prices of 1980 and value added at current prices. The estimates of gross fixed capital formation represent investment in capital construction at budget prices, not including investment of renewal and replacement of fixed assets and investment put up by collectively-owned organizations in urban and rural areas.

Related national publication:

China: A Statistical Survey (annual), compiled by the State Statistical Bureau, People's Republic of China.

ISIC	INDUSTRY	1. NUMBER OF ENTERPRISES (NUMBER)					2. OUTPUT a/ (BILLION YUAN RENMINBI)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	10962	10553	10250	10457	10858	20	21	22	24	...	210
220	Petroleum and gas	32	38	42	40	50	17	18	18	19	...	220
230	Metal ore mining	3817	3864	3976	4258	4352	5	6	7	7	...	230
290	Other mining	15063	14290	13852	13969	13985	11	12	13	14	...	290
2	Mining, quarrying .	29874	28745	28120	28724	29245	53	56	60	65	...	2
311/2	Food products	65556	61655	59949	59173	58056	70	75	84	87	...	311/2
313	Beverages	18976	18537	18159	17329	16856	15	18	22	21	...	313
314	Tobacco	407	413	418	437	450	17	21	25	27	...	314
321	Textiles	23306	25505	26739	27804	27684	123	136	152	159	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... b/	23551	21614	20893	20380	20363	21	24	29	34	...	322
323	Leather and products ...	8505	8883	9001	8880	9053	9	10	12	13	...	323
324	Footwear ..... b/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	14832	13574	13716	13636	13562	6	7	8	8	...	331
332	Furniture, fixtures	13744	13420	12939	12348	11792	5	6	8	8	...	332
341	Paper and products	10008	10812	11438	11990	12163	17	20	23	25	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	12949	13180	13609	13940	14329	10	11	13	14	...	342
351	Industrial chemicals ...	11810	13047	14647	15879	16350	58	70	83	91	...	351
3511	Basic excl fertilizers	4105	4270	4743	5331	5427	9	11	12	14	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	8122	8550	9255	9890	10146	30	36	45	47	...	352
3522	Drugs and medicines ..	2966	3150	3344	3611	3796	17	21	28	29	...	3522
353	Petroleum refineries ...	577	736	810	914	955	23	26	29	31	...	353
354	Petroleum,coal products.	2288	2629	2835	2879	2922	1	1	1	1	...	354
355	Rubber products	3789	3993	4220	4291	4260	15	17	20	22	...	355
356	Plastic products n.e.c..	14487	15336	16508	16975	16916	18	21	27	28	...	356
361	Pottery,china etc	3434	3485	3485	3433	3418	3	4	5	5	...	361
362	Glass and products	3183	3496	3597	3445	3264	6	7	8	9	...	362
369	Non-metal products n.e.c	56926	56693	56824	56864	55275	33	37	42	44	...	369
371	Iron and steel	3020	2946	3198	3621	3710	49	54	58	61	...	371
372	Non-ferrous metals	1784	2110	2374	2678	2742	21	22	24	26	...	372
381	Metal products	33625	34223	33894	33402	33179	27	32	38	42	...	381
382	Machinery n.e.c.	48094	46957	48050	48398	48179	97	115	139	144	...	382
3825	Office,computing etc..	224	174	189	191	179	-	1	1	1	...	3825
383	Electrical machinery ...	18477	20385	21122	21961	16933	72	92	121	131	...	383
3832	Radio,television etc..	1055	999	1062	1139	1153	13	20	30	29	...	3832
384	Transport equipment	11786	12643	12995	13601	14185	33	40	51	57	...	384
3841	Shipbuilding, repair..	759	664	662	649	560	4	4	4	5	...	3841
3843	Motor vehicles	3356	3916	3990	4162	4305	16	21	28	30	...	3843
385	Professional goods	3639	3926	3985	4067	4078	8	9	10	11	...	385
390	Other industries	35211	28528	29680	30351	35716	27	28	35	41	...	390
3	Manufacturing	452086	447276	454340	458566	456536	814	939	1112	1186	...	3
410	Electricity,gas,steam ..	14515	14469	14282	14615	14897	31	34	38	41	...	410
4101	Electricity	12116	11814	11411	11546	11640	21	23	25	27	...	4101
420	Water works and supply .	2809	3083	3254	3477	3708	2	2	2	3	...	420
4	Electricity,gas etc	17324	17552	17536	18092	18605	33	36	40	43	...	4
2-4	All industry	499284	493573	499996	505382	504386	903 c/	1031	1213	1274	...	2-4

a/ At constant prices of 1980.
b/ Major group 324 is included in 322.
c/ Includes individual handicraft industry.

3. VALUE ADDED a/ (MILLION YUAN RENMINBI)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	12898	13421	...	...	...	210
220	Petroleum and gas	15063	19850	...	...	...	220
230	Metal ore mining	3230	3782	...	...	...	230
290	Other mining	7813	13942	...	...	...	290
2	Mining, quarrying .	39004	50995	...	...	...	2
311/2	Food products	12582	14708	...	...	...	311/2
313	Beverages	5826	7545	...	...	...	313
314	Tobacco	14160	17247	...	...	...	314
321	Textiles	30875	35225	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	3211
322	Wearing apparel ..... b/	5642	6534	...	...	...	322
323	Leather and products ...	2817	3265	...	...	...	323
324	Footwear ..... b/	...	...	...	...	...	324
331	Wood products	2045	2481	...	...	...	331
332	Furniture, fixtures	1727	1996	...	...	...	332
341	Paper and products	5669	6994	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	3357	3856	...	...	...	342
351	Industrial chemicals ...	20436	26758	...	...	...	351
3511	Basic excl fertilizers	3783	4863	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	8743	10657	...	...	...	352
3522	Drugs and medicines ..	4615	6233	...	...	...	3522
353	Petroleum refineries ...	12830	13833	...	...	...	353
354	Petroleum,coal products.	74	...	...	...	...	354
355	Rubber products	5050	5256	...	...	...	355
356	Plastic products n.e.c..	4652	5820	...	...	...	356
361	Pottery,china etc	1749	2116	...	...	...	361
362	Glass and products	2775	2982	...	...	...	362
369	Non-metal products n.e.c	17718	19078	...	...	...	369
371	Iron and steel	21817	25590	...	...	...	371
372	Non-ferrous metals	5867	6984	...	...	...	372
381	Metal products	9428	10894	...	...	...	381
382	Machinery n.e.c.	38027	43389	...	...	...	382
3825	Office,computing etc..	...	71	...	...	...	3825
383	Electrical machinery ...	20496	24427	...	...	...	383
3832	Radio,television etc..	2226	3582	...	...	...	3832
384	Transport equipment	11510	13532	...	...	...	384
3841	Shipbuilding, repair..	1001	1044	...	...	...	3841
3843	Motor vehicles	5899	7298	...	...	...	3843
385	Professional goods	3185	3477	...	...	...	385
390	Other industries	6847	3305	...	...	...	390
3	Manufacturing	275904	317949 c/	...	...	...	3
410	Electricity,gas,steam ..	17993	20336	...	...	...	410
4101	Electricity	11182	12120	...	...	...	4101
420	Water works and supply .	1198	1329	...	...	...	420
4	Electricity,gas etc	19191	21665	...	...	...	4
2-4	All industry	334099	390609 c/	...	...	...	2-4

a/ Whole-people-owned and collectively-owned enterprises with independent account.
b/ Major group 324 is included in 322.
c/ Excluding major group 354.

COLOMBIA

The information in the tables, except for the indices, is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Departamento Administrativo Nacional de Estadística, Bogotá. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates are derived from the annual manufacturing survey undertaken by the Departamento Administrativo Nacional de Estadística. The inquiry covers establishments with 10 or more persons engaged. It should be noted, however, that those establishments which were covered in the preceding year but have less than 10 persons engaged during the year of reference are also included in the survey. The estimates are based on the national classification system which follows the present version of ISIC.

Employment numbers are as of the pay period which includes 15 November or the nearest date to it. Persons on strike are excluded. Apprentices are included in numbers of persons engaged and employees, but excluded in the tables relating to operatives. Estimates of wages and salaries represent all payments, in cash and in kind, made to employees during the year. Employers' contributions to social insurance, welfare funds and other similar schemes are excluded, unless otherwise footnoted.

Output is the sum of the value of goods produced by the establishment, adjusted for the net change in the value of work in progress, receipts for industrial services rendered to others, value of goods shipped in the same condition as received and value of electricity sold. Value added is the difference between output and the cost of the following inputs: raw materials, supplies, fuels, electricity purchased and industrial services rendered by others. The valuation of output and value added is in producers' prices.

The estimates of gross fixed capital formation refer to the current value of purchases and own-account construction of fixed assets, less the value of sales and depreciation. The revaluation of fixed assets in the year is taken into account.

The indices of industrial production are compiled by the Banco de la Republica. The indices provided by the national authorities are compiled according to the present version of ISIC. The indices cover, in principle, all establishments with 10 or more persons engaged, adjusted with estimates for small and handicraft industries.

Related national publications:

Industria Manufacturera (annual); Boletín Mensual de Estadística (La Industria Manufacturera); Anuario General de Estadística, Tomo IV; Informe al Congreso Nacional (annual), all published by the Departamento Administrativo Nacional de Estadística, Bogotá.

COLOMBIA

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS b/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/b/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	1142	1198	1235	...	...	70.4	74.4	75.7	...	...	311/2
313	Beverages	128	127	131	...	...	23.9	23.9	24.4	...	...	313
314	Tobacco	14	14	12	...	...	2.9	2.9	2.5	...	...	314
321	Textiles	459 c/	471	482	...	...	51.6 c/	52.0	52.6	...	...	321
3211	Spinning,weaving etc..	112	221	225	...	...	11.7	34.8	35.1	...	...	3211
322	Wearing apparel	1033	1053	1077	...	...	46.9	47.5	47.0	...	...	322
323	Leather and products ...	91	84	94	...	...	6.5	6.7	6.6	...	...	323
324	Footwear	260	273	297	...	...	12.3	12.8	15.4	...	...	324
331	Wood products	164	177	186	...	...	5.9	6.4	7.1	...	...	331
332	Furniture, fixtures	187	208	212	...	...	7.3	8.2	8.6	...	...	332
341	Paper and products	136	135	145	...	...	10.4	10.2	10.6	...	...	341
3411	Pulp,paper etc.	29	31	32	...	...	5.1	5.0	4.9	...	...	3411
342	Printing,publishing	346	355	361	...	...	19.9	21.6	21.9	...	...	342
351	Industrial chemicals ...	119	123	130	...	...	14.6	16.4	15.0	...	...	351
3511	Basic excl fertilizers	75	74	81	...	...	6.1	6.1	6.3	...	...	3511
3513	Synthetic resins etc .	23	24	27	...	...	5.4	6.4	5.1	...	...	3513
352	Other chemical products.	296	298	308	...	...	23.5	26.0	24.8	...	...	352
3522	Drugs and medicines ..	114	120	115	...	...	11.4	12.7	11.7	...	...	3522
353	Petroleum refineries ...	5	5	5	...	...	4.9	4.7	4.7	...	...	353
354	Petroleum,coal products.	20	22	22	...	...	0.7	0.8	0.8	...	...	354
355	Rubber products	83	79	80	...	...	7.3	5.9	6.0	...	...	355
356	Plastic products n.e.c..	293	333	358	...	...	18.0	20.6	18.5	...	...	356
361	Pottery,china etc	30	31	29	...	...	4.8	4.9	5.1	...	...	361
362	Glass and products	64	69	70	...	...	6.3	6.3	6.9	...	...	362
369	Non-metal products n.e.c	278	292	296	...	...	20.3	21.1	21.0	...	...	369
371	Iron and steel	67	70	68	...	...	10.4	10.5	10.6	...	...	371
372	Non-ferrous metals	28	32	32	...	...	1.9	2.0	2.0	...	...	372
381	Metal products	517	549	576	...	...	27.0	27.6	27.6	...	...	381
382	Machinery n.e.c.	309	319	344	...	...	14.4	14.6	16.2	...	...	382
3825	Office,computing etc..	9	11	11	...	...	0.3	0.3	0.3	...	...	3825
383	Electrical machinery ...	193	216	213	...	...	15.6	17.9	17.8	...	...	383
3832	Radio,television etc..	38	37	39	...	...	3.6	4.0	4.9	...	...	3832
384	Transport equipment	213	221	238	...	...	18.8	19.9	20.9	...	...	384
3841	Shipbuilding, repair..	13	14	16	...	...	1.8	1.8	1.8	...	...	3841
3843	Motor vehicles	150	155	170	...	...	12.2	13.5	14.9	...	...	3843
385	Professional goods	62	68	73	...	...	3.1	3.4	3.9	...	...	385
390	Other industries	149	150	170	...	...	7.9	7.7	7.9	...	...	390
3	Manufacturing	6684	6972	7244	...	...	457.9	477.2	483.0	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ In the pay period including 15 November of the year indicated or the nearest date to it.
b/ Establishments with 10 or more persons engaged.
c/ Excluding manufacture of wool, cotton and synthetic fabrics.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/b/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES b/ (MILLION PESOS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	69.1	74.3	74.3	...	...	31422	39403	52632	...	...	311/2
313	Beverages	23.9	23.7	24.4	...	...	15102	18093	20444	...	...	313
314	Tobacco	2.9	2.8	2.5	...	...	1608	1973	2330	...	...	314
321	Textiles	51.1	51.6	52.0	...	...	21290	26920	34559	...	...	321
3211	Spinning,weaving etc..	11.6 c/	34.6	34.9	...	...	4783 c/	19917	25263	...	...	3211
322	Wearing apparel	45.6	47.5	45.6	...	...	12263	15331	19228	...	...	322
323	Leather and products ...	6.4	6.6	6.4	...	...	2338	2858	3730	...	...	323
324	Footwear	11.9	12.4	15.0	...	...	3354	4431	7327	...	...	324
331	Wood products	5.6	6.1	6.9	...	...	1947	2607	3743	...	...	331
332	Furniture, fixtures	7.1	8.2	8.4	...	...	2018	2854	3686	...	...	332
341	Paper and products	10.3	10.2	10.5	...	...	6628	7988	10719	...	...	341
3411	Pulp,paper etc.	5.1	5.0	4.9	...	...	4138	4916	6191	...	...	3411
342	Printing,publishing	19.9	21.1	21.5	...	...	8301	11170	14340	...	...	342
351	Industrial chemicals ...	14.6	16.4	15.0	...	...	11203	16095	18351	...	...	351
3511	Basic excl fertilizers	6.0	6.1	6.3	...	...	3777	4658	6090	...	...	3511
3513	Synthetic resins etc .	5.4	6.4	5.1	...	...	4095	6496	6720	...	...	3513
352	Other chemical products.	23.3	25.9	24.6	...	...	14617	19452	23522	...	...	352
3522	Drugs and medicines ..	11.3	12.6	11.6	...	...	8457	11118	12821	...	...	3522
353	Petroleum refineries ...	4.9	4.7	4.7	...	...	4864	6230	7566	...	...	353
354	Petroleum,coal products.	0.7	0.8	0.8	...	...	303	416	567	...	...	354
355	Rubber products	7.2	5.8	6.0	...	...	4045	4396	5798	...	...	355
356	Plastic products n.e.c..	17.6	20.6	18.2	...	...	6893	9980	11547	...	...	356
361	Pottery,china etc	4.7	4.9	5.1	...	...	1998	2621	3311	...	...	361
362	Glass and products	6.2	6.3	6.9	...	...	3320	4119	6102	...	...	362
369	Non-metal products n.e.c	20.0	20.9	20.7	...	...	9472	11908	15213	...	...	369
371	Iron and steel	10.3	10.4	10.5	...	...	6013	7472	9842	...	...	371
372	Non-ferrous metals	1.9	2.0	2.0	...	...	1012	1395	1676	...	...	372
381	Metal products	26.2	27.0	27.0	...	...	10211	13070	17357	...	...	381
382	Machinery n.e.c.	14.4	14.3	15.8	...	...	5368	6581	9743	...	...	382
3825	Office,computing etc..	0.2	0.3	0.3	...	...	97	139	135	...	...	3825
383	Electrical machinery ...	15.4	17.7	17.7	...	...	7545	10368	13525	...	...	383
3832	Radio,television etc..	3.5	4.0	4.9	...	...	1325	1770	2781	...	...	3832
384	Transport equipment	18.5	19.6	20.5	...	...	9374	12893	17209	...	...	384
3841	Shipbuilding, repair..	1.8	1.8	1.8	...	...	779	1079	1741	...	...	3841
3843	Motor vehicles	12.1	13.3	14.7	...	...	6462	9219	12210	...	...	3843
385	Professional goods	3.0	3.3	3.8	...	...	1421	1882	2916	...	...	385
390	Other industries	7.8	7.5	7.7	...	...	3540	3712	4629	...	...	390
3	Manufacturing	456.1	469.7	475.3	...	...	207470	266233	341623	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ In the pay period including 15 November of the year indicated or the nearest date to it.
b/ Establishments with 10 or more persons engaged.
c/ Excluding manufacture of wool, cotton and synthetic fabrics.

COLOMBIA

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES a/b/ (THOUSANDS)					6. WAGES AND SALARIES OF OPERATIVES b/ (MILLION PESOS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	44.5	46.6	47.3	...	...	16415	20853	27212	...	...	311/2
313	Beverages	12.0	12.8	13.2	...	...	6876	8911	9174	...	...	313
314	Tobacco	1.9	1.8	1.6	...	...	805	984	1112	...	...	314
321	Textiles	40.5	40.7	40.4	...	...	15145	19020	23831	...	...	321
3211	Spinning,weaving etc..	9.4 c/	27.5	28.7	...	...	3336 c/	14377	17707	...	...	3211
322	Wearing apparel	37.1	37.2	36.7	...	...	8808	10831	13447	...	...	322
323	Leather and products ...	5.1	5.2	5.1	...	...	1577	1938	2575	...	...	323
324	Footwear	9.8	10.2	12.2	...	...	2443	3225	5098	...	...	324
331	Wood products	4.2	4.6	5.2	...	...	1182	1565	2266	...	...	331
332	Furniture, fixtures	5.5	6.2	6.4	...	...	1372	1919	2411	...	...	332
341	Paper and products	7.1	6.9	6.8	...	...	3869	4708	5892	...	...	341
3411	Pulp,paper etc.	3.4	3.3	3.1	...	...	2383	2876	3377	...	...	3411
342	Printing,publishing	10.6	11.4	11.9	...	...	3985	5104	6681	...	...	342
351	Industrial chemicals ...	8.5	9.7	8.3	...	...	4960	8145	7138	...	...	351
3511	Basic excl fertilizers	3.8	3.6	3.7	...	...	1900	2416	2516	...	...	3511
3513	Synthetic resins etc .	3.9	4.5	8.3	...	...	2511	4375	3018	...	...	3513
352	Other chemical products.	11.7	12.6	11.5	...	...	4396	5786	6557	...	...	352
3522	Drugs and medicines ..	4.8	5.1	4.6	...	...	2000	2486	2683	...	...	3522
353	Petroleum refineries ...	3.3	3.1	3.8	...	...	2579	3266	5498	...	...	353
354	Petroleum,coal products.	0.4	0.4	0.5	...	...	127	185	280	...	...	354
355	Rubber products	5.4	4.3	4.4	...	...	2439	2720	3606	...	...	355
356	Plastic products n.e.c..	13.0	14.8	13.1	...	...	4109	5867	6379	...	...	356
361	Pottery,china etc	3.9	4.0	4.1	...	...	1445	1897	2316	...	...	361
362	Glass and products	4.8	4.8	5.0	...	...	2186	2680	3578	...	...	362
369	Non-metal products n.e.c	15.3	16.0	15.6	...	...	6130	7543	9595	...	...	369
371	Iron and steel	6.9	7.2	7.2	...	...	3362	4300	5706	...	...	371
372	Non-ferrous metals	1.2	1.3	1.3	...	...	597	808	933	...	...	372
381	Metal products	19.8	20.0	19.4	...	...	6518	8056	10205	...	...	381
382	Machinery n.e.c.	10.2	10.2	11.2	...	...	3337	4038	5842	...	...	382
3825	Office,computing etc..	0.2	0.2	0.2	...	...	46	70	83	...	...	3825
383	Electrical machinery ...	9.7	11.4	10.5	...	...	3700	5013	6246	...	...	383
3832	Radio,television etc..	2.2	2.6	3.2	...	...	667	914	1368	...	...	3832
384	Transport equipment	13.3	14.3	14.6	...	...	5537	7781	9951	...	...	384
3841	Shipbuilding, repair..	1.3	2.1	1.2	...	...	539	778	934	...	...	3841
3843	Motor vehicles	8.7	9.6	10.3	...	...	3596	5192	6734	...	...	3843
385	Professional goods	1.9	2.1	2.3	...	...	609	819	1325	...	...	385
390	Other industries	5.3	5.2	5.3	...	...	1704	1811	2290	...	...	390
3	Manufacturing	312.9	326.1	326.4	...	...	116214	149782	187156	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ In the pay period including 15 November of the year indicated or the nearest date to it.
b/ Establishments with 10 or more persons engaged.
c/ Excluding manufacture of wool, cotton and synthetic fabrics.

COLOMBIA

ISIC	INDUSTRY	7. QUANTITY OF ELECTRICITY CONSUMED a/ (MILLION KWH)					8. OUTPUT IN PRODUCERS' PRICES a/ (BILLION PESOS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	864	876	887	...	...	861	983	1302	...	...	311/2
313	Beverages	266	292	290	...	...	265	344	459	...	...	313
314	Tobacco	16	16	17	...	...	48	54	71	...	...	314
321	Textiles	695	725	761	...	...	238	324	461	...	...	321
3211	Spinning,weaving etc..	166 b/	640	668	...	...	49 b/	240	351	...	...	3211
322	Wearing apparel	72	70	61	...	...	47	118	157	...	...	322
323	Leather and products ...	37	34	32	...	...	32	42	60	...	...	323
324	Footwear	22	24	37	...	...	28	38	73	...	...	324
331	Wood products	49	50	50	...	...	17	23	35	...	...	331
332	Furniture, fixtures	15	15	16	...	...	11	17	25	...	...	332
341	Paper and products	515	607	581	...	...	122	165	234	...	...	341
3411	Pulp,paper etc.	485	573	523	...	...	74	100	139	...	...	3411
342	Printing,publishing	61	65	71	...	...	83	112	146	...	...	342
351	Industrial chemicals ...	854	868	911	...	...	196	308	444	...	...	351
3511	Basic excl fertilizers	484	443	503	...	...	45	62	95	...	...	3511
3513	Synthetic resins etc .	262	310	293	...	...	67	123	197	...	...	3513
352	Other chemical products.	92	106	103	...	...	206	290	383	...	...	352
3522	Drugs and medicines ..	35	38	35	...	...	87	123	148	...	...	3522
353	Petroleum refineries ...	635	664	588	...	...	159	198	244	...	...	353
354	Petroleum,coal products.	7	7	7	...	...	16	23	30	...	...	354
355	Rubber products	89	95	88	...	...	52	65	92	...	...	355
356	Plastic products n.e.c..	205	219	213	...	...	98	149	192	...	...	356
361	Pottery,china etc	56	65	72	...	...	16	22	31	...	...	361
362	Glass and products	123	131	135	...	...	31	45	61	...	...	362
369	Non-metal products n.e.c	846	858	873	...	...	49	137	192	...	...	369
371	Iron and steel	1223	1282	1258	...	...	97	147	236	...	...	371
372	Non-ferrous metals	40	47	48	...	...	16	24	41	...	...	372
381	Metal products	154	160	170	...	...	96	134	203	...	...	381
382	Machinery n.e.c.	67	70	75	...	...	53	74	105	...	...	382
3825	Office,computing etc..	-	-	-	...	...	3	1	1	...	...	3825
383	Electrical machinery ...	71	88	92	...	...	91	140	200	...	...	383
3832	Radio,television etc..	10	10	13	...	...	16	26	40	...	...	3832
384	Transport equipment	78	80	89	...	...	160	260	428	...	...	384
3841	Shipbuilding, repair..	8	8	6	...	...	6	6	18	...	...	3841
3843	Motor vehicles	55	57	68	...	...	137	230	381	...	...	3843
385	Professional goods	14	16	19	...	...	15	21	33	...	...	385
390	Other industries	39	37	41	...	...	31	31	43	...	...	390
3	Manufacturing	7205	7580	7598	...	...	3328	4302	5995	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 10 or more persons engaged.

b/ Excluding manufacture of wool, cotton and synthetic fabrics.

COLOMBIA

ISIC	INDUSTRY	9. VALUE ADDED IN PRODUCERS' PRICES a/ (BILLION PESOS)					10. GROSS FIXED CAPITAL FORMATION TOTAL a/b/c/ (MILLION PESOS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	299	261	371	...	...	13154	17210	32432	...	...	311/2
313	Beverages	173	212	286	...	...	5089	19543	11088	...	...	313
314	Tobacco	31	36	50	...	...	550	176	516	...	...	314
321	Textiles	108 d/	146	233	...	...	7367 d/	21463	63768	...	...	321
3211	Spinning,weaving etc..	23	117	193	...	...	-277	18019	56941	...	...	3211
322	Wearing apparel	36	49	67	...	...	4112	2256	3717	...	...	322
323	Leather and products ...	8	11	16	...	...	1366	1001	1172	...	...	323
324	Footwear	11	16	29	...	...	968	1645	3062	...	...	324
331	Wood products	9	12	16	...	...	496	1030	4945	...	...	331
332	Furniture, fixtures	5	8	12	...	...	890	5	601	...	...	332
341	Paper and products	44	59	86	...	...	3138	12516	5873	...	...	341
3411	Pulp,paper etc.	30	39	53	...	...	1175	8961	4423	...	...	3411
342	Printing,publishing	38	52	69	...	...	5082	5988	6925	...	...	342
351	Industrial chemicals ...	72	111	144	...	...	4812	8663	10323	...	...	351
3511	Basic excl fertilizers	22	31	44	...	...	1356	3684	3359	...	...	3511
3513	Synthetic resins etc .	25	48	59	...	...	2356	481	5255	...	...	3513
352	Other chemical products.	85	121	161	...	...	9010	6508	6309	...	...	352
3522	Drugs and medicines ..	39	56	65	...	...	1891	2287	2993	...	...	3522
353	Petroleum refineries ...	34	13	30	...	...	1170	-861	5573	...	...	353
354	Petroleum,coal products.	5	6	9	...	...	204	110	716	...	...	354
355	Rubber products	23	30	38	...	...	896	2927	3161	...	...	355
356	Plastic products n.e.c..	33	51	64	...	...	4619	8530	12050	...	...	356
361	Pottery,china etc	9	13	18	...	...	1372	2563	3559	...	...	361
362	Glass and products	17	24	32	...	...	2731	2952	2805	...	...	362
369	Non-metal products n.e.c	24	69	98	...	...	15951	21138	19692	...	...	369
371	Iron and steel	45	63	117	...	...	11801	10335	13995	...	...	371
372	Non-ferrous metals	6	9	15	...	...	331	346	1132	...	...	372
381	Metal products	38	54	80	...	...	3499	5400	9054	...	...	381
382	Machinery n.e.c.	22	29	42	...	...	1600	1578	3598	...	...	382
3825	Office,computing etc..	-	1	1	...	...	343	38	34	...	...	3825
383	Electrical machinery ...	41	62	88	...	...	4910	5086	5535	...	...	383
3832	Radio,television etc..	6	10	15	...	...	574	638	1166	...	...	3832
384	Transport equipment	41	66	109	...	...	1383	2664	5778	...	...	384
3841	Shipbuilding, repair..	3	4	13	...	...	14551	211	1074	...	...	3841
3843	Motor vehicles	31	54	88	...	...	1264	2265	4402	...	...	3843
385	Professional goods	8	11	18	...	...	1524	550	2272	...	...	385
390	Other industries	17	16	23	...	...	1602	2335	1106	...	...	390
3	Manufacturing	1307	1610	2323	...	...	111522	163662	240763	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 10 or more persons engaged. b/ Net of depreciation.
c/ Including value of revaluation of fixed assets effected in the year.
d/ Excluding manufacture of wool, cotton and synthetic fabrics.

11. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	113	121	135	143	246	312	305	328	356	17.2	220
230	Metal ore mining	87	85	135	211	236	157	172	175	174	7.2	230
290	Other mining	72	122	138	160	134	120	121	112	109	1.1	290
2	Mining, quarrying .	115	130	161	153	246	287	283	299	291	14.3	2
311/2	Food products	92	95	107	115	116	119	119	131	132	3.5	311/2
313	Beverages	92	97	101	107	110	118	114	116	119	2.2	313
314	Tobacco	113	116	132	137	139	126	118	110	110	1.2	314
321	Textiles	96	88	100	104	115	125	118	112	115	1.8	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	93	85	82	81	83	91	108	120	128	3.1	322
323	Leather and products ...	96	77	79	79	94	100	106	111	131	3.4	323
324	Footwear	92	94	80	80	84	79	81	87	81	-2.6	324
331	Wood products	113	109	110	113	116	143	156	179	190	8.4	331
332	Furniture, fixtures	71	61	64	66	60	61	77	72	68	-4.7	332
341	Paper and products	94	92	103	111	116	129	132	151	170	6.9	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	98	96	86	81	86	89	100	89	85	-2.0	342
351	Industrial chemicals ...	88	101	124	136	151	164	171	168	172	7.0	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	101	97	105	119	134	142	149	160	172	7.0	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	113	124	126	133	152	164	159	163	167	6.6	353
354	Petroleum,coal products.	107	114	113	137	134	141	155	153	140	4.3	354
355	Rubber products	95	89	97	103	101	95	110	106	111	1.3	355
356	Plastic products n.e.c..	94	100	93	90	107	107	100	94	104	0.5	356
361	Pottery,china etc	93	84	88	101	116	134	147	145	142	4.5	361
362	Glass and products	96	93	89	108	109	129	141	140	151	5.3	362
369	Non-metal products n.e.c	102	99	114	111	118	122	124	126	121	2.4	369
371	Iron and steel	110	119	110	110	118	134	146	147	147	4.9	371
372	Non-ferrous metals	91	91	110	82	99	126	124	103	125	2.8	372
381	Metal products	88	88	95	92	105	107	121	106	120	2.3	381
382	Machinery n.e.c.	96	87	85	63	73	83	90	94	138	4.1	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	104	88	89	87	92	95	102	97	91	-1.2	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	75	65	101	80	90	109	130	121	111	1.3	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	121	120	154	169	179	205	231	208	204	9.3	385
390	Other industries	69	78	96	101	107	116	117	120	107	0.8	390
3	Manufacturing	93	93	102	104	112	120	122	125	132	3.5	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	112	114	116	117	118	126	137	139	...	b/ 3.7	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	108	113	119	117	118	126	137	139	...	b/ 3.7	4
2-4	All industry	100	101	108	110	127	139	141	145	...	b/ 4.2	2-4

a/ Annual growth rate 1982-1990.

b/ Annual growth rate 1980-1989.

CONGO

The information in the tables is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Centre national de statistique et des études économiques, Brazzaville.

The estimates are derived from the survey of industrial and commercial enterprises conducted by the Centre national de statistique et des études économiques. The survey covers all enterprises in the modern sector. The inquiry is made by mail supplemented by field visits.

The estimates are based on the national classification scheme which is not strictly comparable with the ISIC. They have been adjusted as far as possible to the present version of the ISIC. In the tables, the estimates are presented only by broad groupings of industries. It should be noted that data shown for ISIC 384 include repair of transport equipment (ISIC major division 9). The present edition contains in the tables the number of enterprises and the number of establishments. The concepts and definitions are generally in accordance with the United Nations standards but the following points should be noted:

The reference period is the fiscal year of each enterprise; the estimates in the tables relate to aggregates of returns covering a 12-month period ending in the year indicated.

The employment numbers relate to 31 December. Number of employees refer only to permanent employees.

Output is not adjusted for the cost of goods sold in the same condition as purchased. The valuation of output and value added is in producers' prices.

Gross fixed capital formation refers only to the value of purchases of fixed assets during the year.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. NUMBER OF ENTERPRISES (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	...	...	-	-	-	...	...	210
220	Petroleum and gas	6	6	6	...	...	5	5	5	...	...	220
230	Metal ore mining	-	-	-	...	...	-	-	-	...	...	230
290	Other mining	2	5	5	...	...	2	3	3	...	...	290
2	Mining, quarrying .	8	11	11	...	...	7	8	8	...	...	2
311/2	Food products	[			...	...	[			...	...	311/2
313	Beverages	22	31	32	...	...	17	21	23	...	...	313
314	Tobacco	]			...	...	]			...	...	314
321	Textiles ..... a/	7	1	2	...	...	3	1	2	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... a/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ... a/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear ..... a/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products ..... b/	[7	11	9]	...	...	[6	5	5]	...	...	331
332	Furniture, fixtures				...	...				...	...	332
341	Paper and products ..... c/	4	4	6	...	...	4	4	6	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... c/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... d/	12	14	15	...	...	12	9	9	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	..	...	...	..	...	...	...	...	...	...	3513
352	Other chemical products d/	. .	. .	...	.	...	...	...	...	...	...	352
3522	Drugs and medicines ..	. .	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... d/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. d/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products ..... d/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. d/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	[ ]	...	...	...	...	[e/]	...	...	361
362	Glass and products	...	...	4	...	...	...	...	1	...	...	362
369	Non-metal products n.e.c	...	...	]	...	...	...	...	]	...	...	369
371	Iron and steel	-	-	-	...	...	-	-	-	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products ..... f/	[12	11	15]	...	...	[12	11	15]	...	...	381
382	Machinery n.e.c.				...	...				...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... f/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... f/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods ..... f/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries ..... f/	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing ..... g/	64	72	83	...	...	54	51	61	...	...	3
410	Electricity,gas,steam ..	7	5	17	...	...	1	1	1	...	...	410
4101	Electricity	7	5	17	...	...	1	1	1	...	...	4101
420	Water works and supply .	5	5	9	...	...	1	1	1	...	...	420
4	Electricity,gas etc	12	10	26	...	...	2	2	2	...	...	4
2-4	All industry g/	84	93	120	...	...	63	61	71	...	...	2-4

a/ Major groups 322 to 324 are included in 321.
b/ Manufacture of metal furniture is included in major groups 331 and 332 combined.
c/ Major group 342 is included in 341.
d/ Major groups 352 to 356 are included in 351.
e/ Manufacture of non-metallic mineral products for construction use only.
f/ Major groups 383 to 390 are included in 381 and 382 combined.
g/ Including repair of transport equipment.

CONGO

ISIC	INDUSTRY		3. AVERAGE NUMBER OF PERSONS ENGAGED (NUMBER)					4. AVERAGE NUMBER OF EMPLOYEES a/b/ (NUMBER)					ISIC
			1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining		-	-	-	...	...	-	-	-	...	...	210
220	Petroleum and gas		1434	1417	1376	...	...	1434	1417	1376	...	...	220
230	Metal ore mining		-	-	-	...	...	-	-	-	...	...	230
290	Other mining		31	83	79	...	...	31	82	78	...	...	290
2	Mining, quarrying		1465	1500	1455	...	...	1465	1499	1454	...	...	2
311/2	Food products		[			...	...	[			...	...	311/2
313	Beverages		4845	4886	4867	...	...	4842	4874	4854	...	...	313
314	Tobacco		]			...	...	]			...	...	314
321	Textiles	c/	475	188	200	...	...	475	188	200	...	...	321
3211	Spinning,weaving etc.		...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	c/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products	c/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	c/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	d/	[1270	1229	1222]	...	...	[1268	1228	1219]	...	...	331
332	Furniture, fixtures					...	...				...	...	332
341	Paper and products	e/	72	99	134	...	...	72	96	132	...	...	341
3411	Pulp,paper etc.		...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	e/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals	f/	391	545	531	...	...	389	544	530	...	...	351
3511	Basic excl fertilizers		...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc		...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	f/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines		...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries	f/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	f/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	f/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.	f/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc		...	...	[	...	...	...	...	[g/	...	...	361
362	Glass and products		...	...	66	...	...	...	...	65	...	...	362
369	Non-metal products n.e.c		...	...	]	...	...	...	...	]	...	...	369
371	Iron and steel		-	-	-	...	...	-	-	-	...	...	371
372	Non-ferrous metals		-	-	-	...	...	-	-	-	...	...	372
381	Metal products	h/	[634	459	634]	...	...	[633	458	628]	...	...	381
382	Machinery n.e.c.					...	...				...	...	382
3825	Office,computing etc.		...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery	h/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc.		...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	h/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair		...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles		...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	h/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	h/	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	i/	7687	7406	7654	...	...	7679	7388	7628	...	...	3
410	Electricity,gas,steam		1503	1390	1475	...	...	1503	1390	1475	...	...	410
4101	Electricity		1503	1390	1475	...	...	1503	1390	1475	...	...	4101
420	Water works and supply		743	719	699	...	...	743	719	699	...	...	420
4	Electricity,gas etc		2246	2109	2174	...	...	2246	2109	2174	...	...	4
2-4	All industry	i/	11398	11015	11283	...	...	11390	10996	11256	...	...	2-4

a/ At 31 December of the year indicated.
b/ Permanent employees only.
c/ Major groups 322 to 324 are included in 321.
d/ Manufacture of metal furniture is included in major groups 331 and 332 combined.
e/ Major group 342 is included in 341.
f/ Major groups 352 to 356 are included in 351.
g/ Manufacture of non-metallic mineral products for construction use only.
h/ Major groups 383 to 390 are included in 381 and 382 combined.
i/ Including repair of transport equipment.

ISIC	INDUSTRY	5. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION CFA FRANCS)					6. AVERAGE NUMBER OF OPERATIVES (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	...	...	-	-	-	...	...	210
220	Petroleum and gas	9856	9701	10208	...	...	475	466	434	...	...	220
230	Metal ore mining	-	-	-	...	...	-	-	-	...	...	230
290	Other mining	55	92	101	...	...	29	65	62	...	...	290
2	Mining, quarrying	9911	9793	10309	...	...	504	531	496	...	...	2
311/2	Food products	[			...	...	[			...	...	311/2
313	Beverages	5774	5961	5892	...	...	3733	3734	3665	...	...	313
314	Tobacco	]			...	...	]			...	...	314
321	Textiles b/	959	450	495	...	...	254	136	140	...	...	321
3211	Spinning, weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel b/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products b/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear b/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products c/	[1649	1893	1722]	...	...	[1110	1012	996]	...	...	331
332	Furniture, fixtures				...	...				...	...	332
341	Paper and products d/	258	178	216	...	...	65	84	100	...	...	341
3411	Pulp, paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing, publishing d/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals e/	762	1135	1145	...	...	238	292	298	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. e/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... e/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum, coal products. e/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products e/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c. e/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery, china etc	...	...	[f/	...	...	...	...	[	...	...	361
362	Glass and products	...	...	44	...	...	...	...	51	...	...	362
369	Non-metal products n.e.c	...	...	]	...	...	...	...	]	...	...	369
371	Iron and steel	-	-	-	...	...	-	-	-	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products g/	[1299	942	1194]	...	...	[534	375	513]	...	...	381
382	Machinery n.e.c.				...	...				...	...	382
3825	Office, computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... g/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio, television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment g/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair.	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods g/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries g/	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing h/	10701	10559	10708	...	...	5934	5633	5763	...	...	3
410	Electricity, gas, steam	2456	2122	2245	...	...	1142	949	617	...	...	410
4101	Electricity	2456	2122	2245	...	...	1142	949	617	...	...	4101
420	Water works and supply	1125	1218	1067	...	...	565	415	400	...	...	420
4	Electricity, gas etc	3581	3340	3312	...	...	1707	1364	1017	...	...	4
2-4	All industry h/	24193	23692	24329	...	...	8145	7528	7276	...	...	2-4

a/ Payments made to permanent employees and temporary workers.
b/ Major groups 322 to 324 are included in 321.
c/ Manufacture of metal furniture is included in major groups 331 and 332 combined.
d/ Major group 342 is included in 341.
e/ Major groups 352 to 356 are included in 351.
f/ Manufacture of non-metallic mineral products for construction use only.
g/ Major groups 383 to 390 are included in 381 and 382 combined.
h/ Including repair of transport equipment.

CONGO

ISIC	INDUSTRY		7. WAGES AND SALARIES OF OPERATIVES (MILLION CFA FRANCS)					8. OUTPUT IN PRODUCERS' PRICES (MILLION CFA FRANCS)					ISIC
			1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining		-	-	-	...	...	-	-	-	...	...	210
220	Petroleum and gas		1909	1624	1621	...	...	300225	319476	271194	...	...	220
230	Metal ore mining		-	-	-	...	...	-	-	-	...	...	230
290	Other mining		12	50	44	...	...	267	659	713	...	...	290
2	Mining, quarrying		1921	1674	1665	...	...	300492	320135	271907	...	...	2
311/2	Food products		...	...	...	...	...	[			...	...	311/2
313	Beverages		...	...	...	...	...	37693	31619	38232	...	...	313
314	Tobacco		...	...	...	...	...	]			...	...	314
321	Textiles	a/	327	153	139	...	...	6682	3677	4257	...	...	321
3211	Spinning,weaving etc.		...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	a/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products	a/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	a/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	b/	[921	1132	686]	...	...	[8728	8591	8516]	...	...	331
332	Furniture, fixtures					...	...				...	...	332
341	Paper and products	c/	76	107	121	...	...	766	566	1196	...	...	341
3411	Pulp,paper etc.		...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	c/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals	d/	270	345	345	...	...	9233	7482	8153	...	...	351
3511	Basic excl fertilizers		...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc		...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products	d/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines		...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries	d/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products	d/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	d/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.	d/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc		...	...	[	...	...	...	...	[e/	...	...	361
362	Glass and products		...	...	35	...	...	...	...	72	...	...	362
369	Non-metal products n.e.c		...	...	]	...	...	...	...	]	...	...	369
371	Iron and steel		-	-	-	...	...	-	-	-	...	...	371
372	Non-ferrous metals		-	-	-	...	...	-	-	-	...	...	372
381	Metal products	f/	[736	489	639]	...	...	[9034	6732	9313]	...	...	381
382	Machinery n.e.c.					...	...				...	...	382
3825	Office,computing etc.		...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery	f/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc.		...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	f/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair		...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles		...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	f/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	f/	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	g/	5557	4735	4794	...	...	72136	58667	69739	...	...	3
410	Electricity,gas,steam		1179	938	732	...	...	12777	15051	14494	...	...	410
4101	Electricity		1179	938	732	...	...	12777	15051	14494	...	...	4101
420	Water works and supply		540	470	412	...	...	2930	3855	3960	...	...	420
4	Electricity,gas etc		1719	1408	1144	...	...	15707	18906	18454	...	...	4
2-4	All industry	g/	9197	7817	7603	...	...	388335	397708	360100	...	...	2-4

a/ Major groups 322 to 324 are included in 321.
b/ Manufacture of metal furniture is included in major groups 331 and 332 combined.
c/ Major group 342 is included in 341.
d/ Major groups 352 to 356 are included in 351.
e/ Manufacture of non-metallic mineral products for construction use only.
f/ Major groups 383 to 390 are included in 381 and 382 combined.
g/ Including repair of transport equipment.

9. VALUE ADDED IN PRODUCERS' PRICES a/
(MILLION CFA FRANCS)

ISIC	INDUSTRY		1986	1987	1988	1989	1990	ISIC
210	Coal mining		-	-	-	...	...	210
220	Petroleum and gas		114486	165659	128652	...	...	220
230	Metal ore mining		-	-	-	...	...	230
290	Other mining		111	-340	-457	...	...	290
2	Mining, quarrying		114597	165319	128195	...	...	2
311/2	Food products		[			...	...	311/2
313	Beverages		15073	11011	14281	...	...	313
314	Tobacco		]			...	...	314
321	Textiles	b/	1774	1030	1062	...	...	321
3211	Spinning,weaving etc.		...	...	...	...	...	3211
322	Wearing apparel	b/	...	...	...	...	...	322
323	Leather and products	b/	...	...	...	...	...	323
324	Footwear	b/	...	...	...	...	...	324
331	Wood products	c/	[			...	...	331
332	Furniture, fixtures	c/	3259	2886	2812]	...	...	332
341	Paper and products	d/	425	284	593	...	...	341
3411	Pulp,paper etc.		...	...	...	...	...	3411
342	Printing,publishing	d/	...	...	...	...	...	342
351	Industrial chemicals	e/	2616	2792	2591	...	...	351
3511	Basic excl fertilizers		...	...	...	...	...	3511
3513	Synthetic resins etc		...	...	...	...	...	3513
352	Other chemical products	e/	...	...	...	...	...	352
3522	Drugs and medicines		...	...	...	...	...	3522
353	Petroleum refineries	e/	...	...	...	...	...	353
354	Petroleum,coal products	e/	...	...	...	...	...	354
355	Rubber products	e/	...	...	...	...	...	355
356	Plastic products n.e.c.	e/	...	...	...	...	...	356
361	Pottery,china etc		...	...	[	...	...	361
362	Glass and products	f/	...	...	53	...	...	362
369	Non-metal products n.e.c		...	...	]	...	...	369
371	Iron and steel		-	-	-	...	...	371
372	Non-ferrous metals		-	-	-	...	...	372
381	Metal products	g/	[			...	...	381
382	Machinery n.e.c.	g/	3371	2427	3188]	...	...	382
3825	Office,computing etc.		...	...	...	...	...	3825
383	Electrical machinery	g/	...	...	...	...	...	383
3832	Radio,television etc.		...	...	...	...	...	3832
384	Transport equipment	g/	...	...	...	...	...	384
3841	Shipbuilding, repair		...	...	...	...	...	3841
3843	Motor vehicles		...	...	...	...	...	3843
385	Professional goods	g/	...	...	...	...	...	385
390	Other industries	g/	...	...	...	...	...	390
3	Manufacturing	h/	26518	20430	24580	...	...	3
410	Electricity,gas,steam		7165	9375	7747	...	...	410
4101	Electricity		7165	9375	7747	...	...	4101
420	Water works and supply		1627	2820	2128	...	...	420
4	Electricity,gas etc		8792	12195	9875	...	...	4
2-4	All industry	h/	149907	197944	162650	...	...	2-4

a/ Net of non-industrial costs.
b/ Major groups 322 to 324 are included in 321.
c/ Manufacture of metal furniture is included in major groups 331 and 332 combined.
d/ Major group 342 is included in 341.
e/ Major groups 352 to 356 are included in 351.
f/ Manufacture of non-metallic mineral products for construction use only.
g/ Major groups 383 to 390 are included in 381 and 382 combined.
h/ Including repair of transport equipment.

COSTA RICA

The information in the tables is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Dirección General de Estadística y Censos, Ministerio de Economía y Comercio, San José.

The data cover all establishments in operation during the reference year and are collected by the Banco Central de Costa Rica. The data are based on the national classification which follows the present version of the ISIC. The concepts and definitions used in reporting the data are generally in accordance with the United Nations standards, although the following points should be noted:

Output refers to gross output.

Value added refers to total value added which is equivalent to the contribution of industry to the gross domestic product.

Valuation of both output and value added is in producers' prices.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	1037	1065	974	...	1932	28933	29683	30726	...	26325	311/2
313	Beverages	46	48	44	...	43	3390	3755	3713	...	2566	313
314	Tobacco	5	5	5	...	9	684	669	630	...	674	314
321	Textiles	133	151	131	...	221	7362	8942	9161	...	6905	321
3211	Spinning,weaving etc..	35	39	33	...	24	2483	3159	3472	...	1886	3211
322	Wearing apparel	591	601	544	...	1163	19191	22085	23517	...	30923	322
323	Leather and products ...	101	101	94	...	105	1226	1427	1395	...	756	323
324	Footwear	198	205	167	...	250	3058	3139	3018	...	3016	324
331	Wood products	269	266	235	...	363	4076	4109	4081	...	4122	331
332	Furniture, fixtures	495	519	433	...	1450	2550	2705	2544	...	4928	332
341	Paper and products	34	35	33	...	34	1857	1984	2046	...	1154	341
3411	Pulp,paper etc.	-	1	1	...	10	-	1	1	...	241	3411
342	Printing,publishing	279	285	264	...	322	3829	4158	4283	...	4417	342
351	Industrial chemicals ...	28	38	37	...	20	1720	1907	1875	...	502	351
3511	Basic excl fertilizers	3	7	9	...	7	43	62	83	...	109	3511
3513	Synthetic resins etc .	12	19	17	...	...	650	815	762	...	...	3513
352	Other chemical products.	145	152	144	...	143	4548	4633	4761	...	4864	352
3522	Drugs and medicines ..	29	32	30	...	32	1134	1187	1165	...	1182	3522
353	Petroleum refineries ...	2	2	2	...	3	2109	2591	2654	...	332	353
354	Petroleum,coal products.	2	2	2	...	-	101	85	86	...	-	354
355	Rubber products	34	35	33	...	59	1966	2056	2077	...	3172	355
356	Plastic products n.e.c..	63	65	61	...	69	3988	4134	4219	...	4321	356
361	Pottery,china etc	62	69	65	...	227	537	573	643	...	961	361
362	Glass and products	24	25	22	...	25	781	875	851	...	785	362
369	Non-metal products n.e.c	222	212	187	...	343	3117	3136	3378	...	3275	369
371	Iron and steel	-	1	2	...	17	-	1	4	...	481	371
372	Non-ferrous metals	7	7	6	...	12	278	199	212	...	516	372
381	Metal products	307	374	324	...	785	3692	4440	4192	...	4083	381
382	Machinery n.e.c.	125	149	140	...	461	2784	3087	3176	...	2298	382
3825	Office,computing etc..	12	15	13	...	56	1147	1215	1347	...	246	3825
383	Electrical machinery ...	55	76	64	...	110	2158	2629	2680	...	3609	383
3832	Radio,television etc..	11	15	12	...	20	215	233	244	...	544	3832
384	Transport equipment	79	129	103	...	135	1703	1865	1764	...	2395	384
3841	Shipbuilding, repair..	15	17	12	...	23	217	204	193	...	297	3841
3843	Motor vehicles	42	88	71	...	89	457	590	529	...	925	3843
385	Professional goods	21	21	20	...	52	229	233	233	...	267	385
390	Other industries	78	85	80	...	184	1776	1573	1622	...	1444	390
3	Manufacturing	4442	4723	4216	...	8539	107643	116673	119541	...	119769	3
410	Electricity,gas,steam ..	8	8	8	8	8	...	...	...	...	...	410
4101	Electricity	8	8	8	8	8	...	...	...	...	...	4101
420	Water works and supply .	2	2	2	2	2	...	...	...	...	...	420
4	Electricity,gas etc	10	10	10	10	10	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

COSTA RICA

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION COLONES)					4. OUTPUT IN PRODUCERS' PRICES b/c/ (MILLION COLONES)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	-	-	-	-	-	210
220	Petroleum and gas	...	...	...	...	...	-	-	-	-	-	220
230	Metal ore mining	...	...	...	...	...	38	47	59	76	99	230
290	Other mining	...	...	...	...	...	478	470	531	672	749	290
2	Mining, quarrying .	...	...	...	...	...	516	517	590	748	847	2
311/2	Food products	295.5	349.6	411.5	...	...	69056	71439	91165	100515	115261	311/2
313	Beverages	46.3	57.5	67.1	...	...	10483	12081	14271	17120	21746	313
314	Tobacco	14.2	17.1	19.0	...	...	2299	2492	3152	3798	4620	314
321	Textiles	72.7	98.6	110.7	...	...	3977	4678	6071	7095	8540	321
3211	Spinning,weaving etc..	26.2	37.1	43.9	...	...	1794	2185	2851	3283	3929	3211
322	Wearing apparel	148.0	198.8	273.2	...	...	3911	3707	4924	6393	7648	322
323	Leather and products ...	10.7	14.8	16.1	...	...	663	770	916	1174	1188	323
324	Footwear	25.3	27.7	31.0	...	...	1104	1108	1571	1750	1794	324
331	Wood products	33.4	39.1	51.2	...	...	2744	3445	4108	3871	4774	331
332	Furniture, fixtures	16.9	20.8	21.1	...	...	2947	3637	4593	5318	6270	332
341	Paper and products	27.9	35.1	39.2	...	...	4982	6633	10110	12492	16476	341
3411	Pulp,paper etc.	-	-	-	...	...	...	...	...	...	...	3411
342	Printing,publishing	48.7	62.7	68.3	...	...	4023	5770	7328	8281	9006	342
351	Industrial chemicals ...	29.1	36.2	42.5	...	...	6097	5857	7848	9891	12467	351
3511	Basic excl fertilizers	0.7	1.1	1.4	...	...	28	29	43	49	64	3511
3513	Synthetic resins etc .	9.5	13.7	13.9	...	...	323	448	494	562	648	3513
352	Other chemical products.	67.5	82.7	93.7	...	...	7627	9397	11006	13228	15374	352
3522	Drugs and medicines ..	20.9	25.5	29.1	...	...	2672	3307	3770	4436	4417	3522
353	Petroleum refineries ...	53.9	84.2	80.2	...	...	13919	15124	15689	14806	12072	353
354	Petroleum,coal products.	0.7	0.8	0.8	...	...	17	16	19	22	25	354
355	Rubber products	26.8	34.4	37.3	...	...	2376	2978	3761	4282	4610	355
356	Plastic products n.e.c..	49.0	58.6	64.8	...	...	4244	5431	7182	8432	9396	356
361	Pottery,china etc	6.0	7.8	8.5	...	...	257	326	415	591	879	361
362	Glass and products	8.2	10.6	11.0	...	...	1149	1630	1523	2064	2772	362
369	Non-metal products n.e.c	33.0	39.4	45.8	...	...	3231	4215	5756	6787	8439	369
371	Iron and steel	-	-	-	...	...	...	...	-	...	...	371
372	Non-ferrous metals	3.8	3.0	3.6	...	...	151	-	186	345	419	372
381	Metal products	37.0	52.5	53.1	...	...	2679	3550	4474	6354	7784	381
382	Machinery n.e.c.	30.4	39.9	42.2	...	...	2056	2925	3070	3051	3542	382
3825	Office,computing etc..	11.8	15.3	17.3	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	32.4	43.0	47.9	...	...	5565	7422	7554	9068	11998	383
3832	Radio,television etc..	2.8	3.6	4.3	...	...	3781	5365	5069	6499	9045	3832
384	Transport equipment	20.1	25.8	26.1	...	...	1436	1731	1894	2434	3021	384
3841	Shipbuilding, repair..	2.1	2.3	2.3	...	...	159	201	310	415	394	3841
3843	Motor vehicles	4.7	6.8	6.6	...	...	760	899	866	792	1351	3843
385	Professional goods	1.9	2.3	2.4	...	...	...	...	...	...	...	385
390	Other industries	17.0	18.4	19.5	...	...	412	489	546	787	921	390
3	Manufacturing	1156.5	1461.3	1687.9	...	...	157405 d/	176851 d/	219131 d/	249946 d/	291040 d/	3
410	Electricity,gas,steam ..	...	...	...	...	...	7553	9212	10991	15586	18595	410
4101	Electricity	...	...	...	...	...	7553	9212	10991	15586	18595	4101
420	Water works and supply .	...	...	...	...	...	1137	1452	1665	1701	2158	420
4	Electricity,gas etc	...	...	...	...	...	8690	10664	12656	17287	20754	4
2-4	All industry	...	...	...	...	...	171536	194274	239635	277296	323912	2-4

a/ Monthly average.
b/ Estimates derived from national accounts calculations.
c/ Excluding indirect taxes.
d/ Relates to sum of available data.

5. VALUE ADDED IN PRODUCERS' PRICES a/b/
(MILLION COLONES)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	18	22	26	34	44	230
290	Other mining	204	199	212	266	300	290
2	Mining, quarrying .	222	221	238	299	344	2
311/2	Food products	15798	16474	20046	22215	26153	311/2
313	Beverages	5770	6586	7336	8746	11210	313
314	Tobacco	1448	1558	1873	2235	2753	314
321	Textiles	1393	1623	2001	2315	2821	321
3211	Spinning,weaving etc..	585	707	876	999	1211	3211
322	Wearing apparel	1527	1437	1813	2331	2825	322
323	Leather and products ...	255	292	329	417	430	323
324	Footwear	439	437	589	650	674	324
331	Wood products	1162	1452	1643	1532	1916	331
332	Furniture, fixtures	934	1144	1373	1574	1880	332
341	Paper and products	1320	1711	2451	2985	3940	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	1398	1990	2401	2687	2960	342
351	Industrial chemicals ...	1493	1413	1808	2260	2891	351
3511	Basic excl fertilizers	17	18	25	28	38	3511
3513	Synthetic resins etc .	54	74	78	87	102	3513
352	Other chemical products.	2341	2857	3168	3738	4371	352
3522	Drugs and medicines ..	886	1088	1178	1373	1385	3522
353	Petroleum refineries ...	3736	4029	3971	3712	3065	353
354	Petroleum,coal products.	6	5	6	7	8	354
355	Rubber products	809	985	1167	1338	1471	355
356	Plastic products n.e.c..	1506	1913	2403	2794	3154	356
361	Pottery,china etc	92	115	140	197	297	361
362	Glass and products	421	593	526	706	961	362
369	Non-metal products n.e.c	1231	1608	2057	2416	3125	369
371	Iron and steel	-	-	-	...	...	371
372	Non-ferrous metals	-26	-	42	78	96	372
381	Metal products	659	827	1002	1347	1719	381
382	Machinery n.e.c.	700	986	1001	975	1152	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ...	1477	1912	1899	2204	2896	383
3832	Radio,television etc..	837	1179	1058	1344	1894	3832
384	Transport equipment	695	840	885	1180	1439	384
3841	Shipbuilding, repair..	73	92	134	177	170	3841
3843	Motor vehicles	334	392	359	325	562	3843
385	Professional goods	...	...	...	...	...	385
390	Other industries	158	185	197	281	333	390
3	Manufacturing ..... c/	46742	52973	62123	70919	84539	3
410	Electricity,gas,steam ..	6585	7485	9091	12330	14707	410
4101	Electricity	6585	7485	9091	12330	14707	4101
420	Water works and supply .	828	1113	1200	1107	1520	420
4	Electricity,gas etc	7413	8598	10292	13437	16227	4
2-4	All industry	59304	68034	79912	93969	112380	2-4

a/ Contributions to the gross domestic product. b/ Excluding indirect taxes.
c/ Relates to sum of available data.

CUBA

The information on industrial activity is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Comitè Estatal de Estadísticas, Ciudad de la Habana.

The data are based on regular monthly and annual reports of enterprises. The data cover all establishments engaged in industrial activities.

The data, based on the national classification, are shown in the most appropriate category of the ISIC. The national classification includes logging; commercial fishing; repair of motor vehicles, household appliances, furniture and footwear; repair and restoration of knitted goods and apparel; film copying and cleaning and dyeing. The following industries are excluded: (a) prospecting and drilling for minerals, crude petroleum and natural gas, and preparing sites for extracting; (b) gas distribution; and (c) water supply.

The concepts and definitions are generally in accordance with the United Nations standards, although the following points should be noted:

Employment numbers are annual averages of monthly figures;

Output is not adjusted for the cost of purchases of goods for resale without further processing. The valuation of both output and value added is in producers' prices;

Gross fixed capital formation refers to the acquisition of new fixed assets. It does not include capital repair and investments in non-productive assets, such as dwellings, public utilities and social facilities.

Related national publications:

República de Cuba, Anuario Estadístico de Cuba (annual), Cuba en Cifras (annual), both published by the Comité Estatal de Estadísticas, Ciudad de la Habana; Statistical Yearbook published by the Council for Mutual Economic Assistance (CMEA), Moscow.

ISIC	INDUSTRY		1. NUMBER OF ENTERPRISES (NUMBER) 1986	1987	1988	1989	1990	2. AVERAGE NUMBER OF EMPLOYEES (THOUSANDS) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	a/b/	[4	5	5	5]	...	[4.5	4.5	5.1	5.4]	...	210
220	Petroleum and gas						...					...	220
230	Metal ore mining	c/	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	d/	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying		...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	e/	291	287	289	290	...	234.6	235.0	240.5	247.5	...	311/2
313	Beverages		[41	41	41	40]	...	[48.0	46.1	48.9	51.1]	...	313
314	Tobacco						...					...	314
321	Textiles		13	14	16	16	...	32.2	39.6	40.3	39.9	...	321
3211	Spinning,weaving etc.		...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel		17	19	16	16	...	35.1	31.5	30.7	29.9	...	322
323	Leather and products		[15	16	16	16]	...	[21.1	20.8	20.6	20.5]	...	323
324	Footwear						...					...	324
331	Wood products		[18	18	16	18]	...	[16.8	16.2	16.1	17.1]	...	331
332	Furniture, fixtures						...					...	332
341	Paper and products		10	12	10	10	...	8.0	9.6	6.8	7.4	...	341
3411	Pulp,paper etc.		...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing		16	15	17	18	...	10.3	8.2	9.7	12.9	...	342
351	Industrial chemicals	f/	41	36	36	32	...	30.6	29.3	29.3	30.5	...	351
3511	Basic excl fertilizers		...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc		...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products	f						...	...	...	...	...	352
3522	Drugs and medicines		...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries	a/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products	a/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	f/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.	f/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc		[7	7	7	7]	...	[7.2	7.2	7.3	7.3]	...	361
362	Glass and products						...					...	362
369	Non-metal products n.e.c	d/	44	47	52	52	...	50.4	49.2	54.3	57.6	...	369
371	Iron and steel		9	10	10	10	...	10.0	10.0	10.4	9.9	...	371
372	Non-ferrous metals	c/	6	13	14	13	...	12.9	14.6	14.6	15.0	...	372
381	Metal products		27	28	29	29	...	16.0	16.6	16.9	17.9	...	381
382	Machinery n.e.c.	g/	146	147	145	146	...	88.3	87.3	85.3	87.3	...	382
3825	Office,computing etc.		...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery		18	19	22	19	...	14.5	15.1	15.3	13.8	...	383
3832	Radio,television etc.		...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	g/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair		...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles		...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	g/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries		33	35	49	46	...	27.7 h/	28.1 h/	31.8 h/	35.1 h/	...	390
3	Manufacturing	e/i/	756	769	790	783	...	668.2 j/	668.9 j/	683.9 j/	706.1 j/	...	3
410	Electricity,gas,steam	k/	15	10	14	9	...	19.6	19.8	20.4	22.3	...	410
4101	Electricity		15	10	14	9	...	19.6	19.8	20.4	22.3	...	4101
420	Water works and supply		8	8	9	9	...	7.5	7.8	8.3	8.5	...	420
4	Electricity,gas etc	k/	23	18	23	18	...	27.1 j/	27.6 j/	28.6 j/	30.8 j/	...	4
2-4	All industry	e/k/	779	787	813	801	...	695.3	696.5	712.6	742.3	...	2-4

Note. For certain deviations in classification see country note.

a/ Major groups 353 and 354 are included in 210 and 220 combined. b/ Combustible industries only.
c/ Non-ferrous ore mining is included in major group 372. d/ Major group 290 is included in 369.
e/ Including sugar-cane cropping, excluding processing of fish, crustacea and other sea foods.
f/ Major groups 352, 355 and 356 are included in 351. g/ Major groups 384 and 385 are included in 382.
h/ Including industries not shown separately. i/ Including mining and quarrying.
j/ Including some repair establishments. k/ Excluding gas and steam.

CUBA

ISIC	INDUSTRY		3. WAGES AND SALARIES OF EMPLOYEES (MILLION PESOS) 1986	1987	1988	1989	1990	4. AVERAGE NUMBER OF OPERATIVES (THOUSANDS) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	a/b/	[13.2	12.8	14.3	15.5]	...	[2.5	2.7	2.8	3.0]	...	210
220	Petroleum and gas						...					...	220
230	Metal ore mining	c/	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	d/	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .		...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	e/	533.0	514.1	537.0	544.7	...	168.7	179.3	195.8	204.6	...	311/2
313	Beverages		[92.5	86.2	98.0	101.3]	...	[43.9	40.5	40.6	41.9]	...	313
314	Tobacco						...					...	314
321	Textiles		73.7	87.6	90.9	88.2	...	26.5	34.6	33.3	32.6	...	321
3211	Spinning,weaving etc..		...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel		61.5	54.4	53.2	50.4	...	28.7	26.5	24.7	23.6	...	322
323	Leather and products ...		[40.6	39.4	39.2	36.7]	...	[17.2	16.7	16.5	16.3]	...	323
324	Footwear						...					...	324
331	Wood products		[34.9	32.3	31.9	33.6]	...	[10.8	11.9	11.1	13.7]	...	331
332	Furniture, fixtures						...					...	332
341	Paper and products		18.6	21.8	15.9	17.8	...	5.4	6.5	4.6	5.2	...	341
3411	Pulp,paper etc.		...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing		22.2	17.0	19.7	27.7	...	6.6	5.4	7.0	8.9	...	342
351	Industrial chemicals ...	f/	70.0	65.0	65.8	68.6	...	19.6	19.4	18.8	19.2	...	351
3511	Basic excl fertilizers		...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .		...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	f/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..		...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	a/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	a/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	f/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	f/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc		[17.2	16.3	16.9	17.1]	...	[5.6	5.4	5.6	5.7]	...	361
362	Glass and products						...					...	362
369	Non-metal products n.e.c	d/	120.7	113.9	126.4	136.4	...	34.8	37.3	41.8	42.4	...	369
371	Iron and steel		27.6	25.4	27.1	28.0	...	7.4	7.6	7.6	7.2	...	371
372	Non-ferrous metals	c/	36.3	38.5	38.5	39.1	...	10.4	10.8	10.3	11.0	...	372
381	Metal products		36.7	37.2	39.3	42.5	...	11.1	12.4	13.0	13.2	...	381
382	Machinery n.e.c.	g/	211.6	199.7	196.8	204.0	...	57.1	60.0	57.7	59.2	...	382
3825	Office,computing etc..		...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...		32.1	33.0	34.1	30.7	...	9.0	9.7	9.6	9.0	...	383
3832	Radio,television etc..		...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	g/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..		...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles		...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	g/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	h/	55.1	54.5	62.9	68.9	...	24.9	18.3	19.0	25.3	...	390
3	Manufacturing	e/i/j/	1497.5	1449.1	1507.9	1551.2	...	490.2	505.0	519.8	542.0	...	3
410	Electricity,gas,steam ..	k/	51.2	49.4	52.0	57.6	...	9.7	10.3	10.6	10.3	...	410
4101	Electricity		51.2	49.4	52.0	57.6	...	9.7	10.3	10.6	10.3	...	4101
420	Water works and supply .		17.4	17.8	18.3	19.9	...	3.5	4.3	3.9	3.6	...	420
4	Electricity,gas etc	k/	68.6	67.2	70.3	77.5	...	13.2	14.6	14.5	13.9	...	4
2-4	All industry	e/i/k/	1566.1	1513.3	1578.2	1628.7	...	503.4	519.6	534.3	555.9	...	2-4

Note. For certain deviations in classification see country note.

a/ Major groups 353 and 354 are included in 210 and 220 combined. b/ Combustible industries only.
c/ Non-ferrous ore mining is included in major group 372. d/ Major group 290 is included in 369.
e/ Including sugar-cane cropping, excluding processing of fish, crustacea and other sea foods.
f/ Major groups 352, 355 and 356 are included in 351. g/ Major groups 384 and 385 are included in 382.
h/ Including industries not shown separately. i/ Including mining and quarrying.
j/ Including some repair establishments. k/ Excluding gas and steam.

ISIC	INDUSTRY	5. HOURS WORKED BY OPERATIVES (MILLIONS) 1986	1987	1988	1989	1990	6. QUANTITY OF ELECTRICITY CONSUMED (MILLION KWH) 1986	1987	1988	1989	1990	ISIC
210	Coal mining ..... a/	[4.7	5.1	5.2	6.0]	...	[70.3	79.5	101.9	111.6]	...	210
220	Petroleum and gas ..... b/					...					...	220
230	Metal ore mining ..... c/	...	...	...	...	...	...	...	...	...	...	230
290	Other mining ..... d/	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products ..... e/	377.9	397.2	398.4	396.6	...	2178.4	2174.7	2312.3	2327.7	...	311/2
313	Beverages	[69.0	65.6	71.4	69.4]	...	[99.0	101.8	106.3	110.2]	...	313
314	Tobacco					...					...	314
321	Textiles	52.9	64.6	62.9	63.9	...	410.4	490.7	500.0	458.8	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	50.4	47.5	46.8	43.0	...	22.1	13.3	14.0	13.2	...	322
323	Leather and products ...	[29.0	28.6	28.4	26.6]	...	[26.5	26.3	26.1	24.2]	...	323
324	Footwear					...					...	324
331	Wood products	[21.5	21.9	21.4	23.2]	...	[10.7	11.2	12.4	12.6]	...	331
332	Furniture, fixtures					...					...	332
341	Paper and products	11.0	13.2	9.1	10.1	...	203.8	198.5	183.3	217.2	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	13.1	10.1	9.4	16.1	...	19.8	18.1	23.4	29.1	...	342
351	Industrial chemicals ... f/	38.3	36.6	36.6	36.7	...	483.6	455.4	466.4	435.1	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. f/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... b/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. b/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products ..... f/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. f/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	[10.8	12.0	11.5	12.6]	...	[73.6	74.4	78.9	79.1]	...	361
362	Glass and products					...					...	362
369	Non-metal products n.e.c d/	69.9	73.7	78.8	89.8	...	509.0	538.1	557.9	601.4	...	369
371	Iron and steel	13.9	15.7	15.2	14.7	...	131.7	145.5	125.7	143.3	...	371
372	Non-ferrous metals ..... c/	18.2	21.2	22.7	24.4	...	319.3	332.3	336.9	336.0	...	372
381	Metal products	20.8	21.9	22.5	24.6	...	36.6	42.3	48.5	46.9	...	381
382	Machinery n.e.c. ..... g/	111.4	110.7	110.2	110.4	...	134.0	133.4	163.1	176.2	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	18.1	18.6	18.0	16.3	...	43.6	46.8	46.8	50.9	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... g/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods ..... g/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	28.8	35.7	38.6	44.6	...	50.5	29.8	29.1	35.7	...	390
3	Manufacturing ..... e/h/i/	959.7	998.8	1007.0	1029.0	...	4822.9	4912.1	5131.6	5209.2	...	3
410	Electricity,gas,steam .. j/	18.0	19.6	20.9	26.8	...	3.2	25.0	27.2	17.7	...	410
4101	Electricity	18.0	19.6	20.9	26.8	...	3.2	25.0	27.0	17.7	...	4101
420	Water works and supply .	7.5	8.0	9.0	9.4	...	-	22.8	22.3	28.5	...	420
4	Electricity,gas etc i/	25.5	27.6	29.9	36.2	...	3.2	47.8	50.8	46.2	...	4
2-4	All industry e/i/i/	984.8	1026.4	1036.9	1065.4	...	4826.1	4959.9	5182.3	5255.4	...	2-4

a/ Combustible industries only.
b/ Major groups 353 and 354 are included in 210 and 220 combined.
c/ Non-ferrous ore mining is included in major group 372.
d/ Major group 290 is included in 369.
e/ Including sugar-cane cropping, excluding processing of fish, crustacea and other sea foods.
f/ Major groups 352, 355 and 356 are included in 351.
g/ Major groups 384 and 385 are included in 382.
h/ Including mining and quarrying.
i/ Including some repair establishments.
j/ Excluding gas and steam.

CUBA

ISIC	INDUSTRY		7. OUTPUT IN PRODUCERS' PRICES (MILLION PESOS) 1986	1987	1988	1989	1990	8. VALUE ADDED IN PRODUCERS' PRICES (MILLION PESOS) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	a/b/	[548	551	627	667]	...	[61	59	70	44]	...	210
220	Petroleum and gas						...					...	220
230	Metal ore mining	c/	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	d/	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .		...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	e/	4005	3811	4018	3894	...	640	630	818	716	...	311/2
313	Beverages		[2434	2258	2358	2506]	...	[2044	1931	1998	2070]	...	313
314	Tobacco						...					...	314
321	Textiles		256	332	343	296	...	33	74	95	75	...	321
3211	Spinning,weaving etc..		...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel		259	224	219	180	...	94	73	86	63	...	322
323	Leather and products ...		[167	159	156	128]	...	[73	65	68	54]	...	323
324	Footwear						...					...	324
331	Wood products		[154	143	134	131]	...	[78	70	65	64]	...	331
332	Furniture, fixtures						...					...	332
341	Paper and products		167	190	131	141	...	19	11	5	8	...	341
3411	Pulp,paper etc.		...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing		129	99	144	140	...	52	47	68	57	...	342
351	Industrial chemicals ...	f/	771	709	668	730	...	362	317	309	343	...	351
3511	Basic excl fertilizers		...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .		...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	f/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..		...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	a/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	a/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	f/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	f/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc		[60	61	65	61]	...	[12	16	18	16]	...	361
362	Glass and products	g/					...					...	362
369	Non-metal products n.e.c	d/g/	427	407	417	474	...	110	72	72	84	...	369
371	Iron and steel		196	190	172	181	...	45	42	23	28	...	371
372	Non-ferrous metals	c/	168	178	196	225	...	50	48	36	45	...	372
381	Metal products		212	192	195	170	...	83	71	71	54	...	381
382	Machinery n.e.c.	h/	894	765	741	744	...	397	316	296	290	...	382
3825	Office,computing etc..		...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...		170	139	169	137	...	63	49	57	41	...	383
3832	Radio,television etc..		...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	h/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..		...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles		...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	h/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	i/	534	510	513	541	...	165	137	133	148	...	390
3	Manufacturing	e/j/k/	11551	10916	11266	11346	...	4381	4028	4287	4201	...	3
410	Electricity,gas,steam ..	l/	574	660	694	736	...	265	332	351	361	...	410
4101	Electricity		574	660	694	736	...	265	332	351	361	...	4101
420	Water works and supply .		45	46	43	39	...	20	20	14	8	...	420
4	Electricity,gas etc	l/	619	~~706~~	~~737~~	~~775~~	...	285	352	365	369	...	4
2-4	All industry	e/k/l/	~~12170~~	~~11623~~	~~12003~~	~~12121~~	...	~~4666~~	~~4380~~	~~4653~~	4570	...	2-4

Note. For certain deviations in classification see country note.

a/ Major groups 353 and 354 are included in 210 and 220 combined.
b/ Combustible industries only.
c/ Non-ferrous ore mining is included in major group 372.
d/ Major group 290 is included in 369.
e/ Including sugar-cane cropping, excluding processing of fish, crustacea and other sea foods.
f/ Major groups 352, 355 and 356 are included in 351.
g/ Part of major group 369 is included in 362.
h/ Major groups 384 and 385 are included in 382.
i/ Including industries not shown separately.
j/ Including mining and quarrying.
k/ Including some repair establishments.
l/ Excluding gas and steam.

ISIC	INDUSTRY		9. GROSS FIXED CAPITAL FORMATION TOTAL (MILLION PESOS)					10. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT (MILLION PESOS)					ISIC
			1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	a/b/	[94.7	87.9	78.6	63.9]	...	[26.0	12.7	11.1]	...	...	210
220	Petroleum and gas						...				...	...	220
230	Metal ore mining	c/	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	d/	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying		...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	e/	356.9	309.2	363.6	276.3	...	151.7	121.5	120.5	...	...	311/2
313	Beverages		[39.9	22.6	25.7	41.3]	...	[22.5	6.8	9.3]	...	...	313
314	Tobacco						...				...	...	314
321	Textiles		21.0	17.1	19.4	24.4	...	6.8	3.7	8.8	...	...	321
3211	Spinning,weaving etc.		...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel		6.9	3.0	3.0	4.3	...	3.4	1.1	0.7	...	...	322
323	Leather and products		[6.5	4.0	3.8	3.5]	...	[4.4	2.2	1.6]	...	...	323
324	Footwear						...				...	...	324
331	Wood products		[5.0	8.2	13.5	7.1]	...	[1.7	3.5	8.1]	...	...	331
332	Furniture, fixtures						...				...	...	332
341	Paper and products		25.0	25.8	11.2	5.4	...	16.2	9.5	2.6	...	...	341
3411	Pulp,paper etc.		...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing		2.6	1.8	7.9	3.1	...	2.0	1.3	4.8	...	...	342
351	Industrial chemicals	f/	58.8	55.8	63.6	67.3	...	27.5	21.3	26.6	...	...	351
3511	Basic excl fertilizers		...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc		...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products	f/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines		...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries	a/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products	a/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	f/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.	f/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc		[17.5	17.0	18.6	17.1]	...	[4.1	8.2	9.8]	...	...	361
362	Glass and products						...				...	...	362
369	Non-metal products n.e.c	d/	106.0	87.3	136.4	160.8	...	39.6	30.0	54.7	...	...	369
371	Iron and steel		65.8	63.2	86.9	73.9	...	38.0	33.6	48.0	...	...	371
372	Non-ferrous metals	c/	266.0	178.4	177.8	259.1	...	115.4	81.4	79.8	...	...	372
381	Metal products		29.9	18.7	15.9	26.4	...	21.5	12.6	10.6	...	...	381
382	Machinery n.e.c.	g/	105.0	84.8	75.0	91.6	...	50.8	47.0	40.8	...	...	382
3825	Office,computing etc.		...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery		17.5	25.4	19.8	22.6	...	9.1	10.9	10.4	...	...	383
3832	Radio,television etc.		...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	g/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair		...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles		...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	g/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	h/	18.8	23.5	51.8	17.1	...	8.5	6.8	5.5	...	...	390
3	Manufacturing	e/i/j/	1243.9	1033.7	1172.5	1165.5	...	549.2	414.1	453.7	...	...	3
410	Electricity,gas,steam	k/	353.6	309.1	293.8	325.6	...	143.4	131.7	117.8	...	...	410
4101	Electricity		353.6	309.1	293.8	325.6	...	143.4	131.7	117.8	...	...	4101
420	Water works and supply		36.6	43.2	75.1	102.5	...	2.6	5.2	7.5	...	...	420
4	Electricity,gas etc	k/	390.2	352.3	368.9	428.1	...	146.0	136.9	125.3	...	...	4
2-4	All industry	e/i/k/	1634.1	1386.0	1541.4	1593.6	...	695.2	551.0	579.5	...	...	2-4

Note. For certain deviations in classification see country note.

a/ Major groups 353 and 354 are included in 210 and 220 combined.
b/ Combustible industries only.
c/ Non-ferrous ore mining is included in major group 372.
d/ Major group 290 is included in 369.
e/ Including sugar-cane cropping, excluding processing of fish, crustacea and other sea foods.
f/ Major groups 352, 355 and 356 are included in 351.
g/ Major groups 384 and 385 are included in 382.
h/ Including industries not shown separately.
i/ Including mining and quarrying.
j/ Including some repair establishments.
k/ Excluding gas and steam.

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The information in the tables, except for the indices, is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Department of Statistics and Research, Ministry of Finance, Nicosia.

The estimates are derived from the annual survey on industrial production conducted by the Department of Statistics and Research. The inquiry is carried out on a sample basis and the relevant information is obtained through personal interviews of the respondents by enumerators of the Department. Every five years, the Department also conducts a census of industrial production covering large establishments with 5 or more persons engaged on a complete enumeration basis and small establishments with 4 or less persons engaged on a sample basis. The census provides the basis for reviewing intercensal estimates of output, value added and employment which are compiled from the annual survey. The frame for the census as well as for the annual survey is provided by a registration of establishments held prior to each census. The estimates in the tables relate to all establishments in mining, quarrying, manufacturing, electricity, gas and water. The estimates refer only to the industrial activity in the Government controlled areas and have been adjusted on the basis of the results of the 1986 census. Manufacturing data exclude cottage industry; the most important branches of that industry are embroidery, weaving and the manufacture of cane products. It should be noted that many of the figures published in official reports are revised in subsequent reports in the light of more complete information from later surveys. Data have been adjusted for non-response.

The estimates are based on the national classification scheme, which is comparable with the present version of the ISIC. The concepts, definitions and classification by branches of industry are generally in accordance with the United Nations standards.

Data shown in Table 1 for electricity, gas and water refer to number of enterprises. Employment numbers relate to annual averages. The quantity of electricity consumed relates to the supply of electric energy to industrial consumers by the Electricity Authority of Cyprus and other electricity producers. Except for electricity, output is the value of all goods produced, value of services rendered to others by the establishment and other receipts. The valuation of output is at prices secured by the establishment or the enterprise including excise tax, but excluding discounts, commissions and subsidies. If transportation costs are paid by the producer for its products, the value of output includes these costs. Otherwise, the valuation is at ex-factory prices. For electricity, output refers to the value of sales, excluding losses in the distribution and unbilled consumption 1/. Value added refers to the value of output minus the cost of all materials, fuels and electricity used and the amount paid for work given out. Estimates of gross fixed capital formation relate to the current value of purchases minus disposals of all fixed assets, covering buildings, transport equipment, machinery and other equipment. Major additions, alterations and improvements to existing fixed assets are included. The value of fixed assets produced by the establishment for its own use is also included.

The indices of industrial production are compiled by the Department of Statistics and Research and provided in response to the United Nations Questionnaire on Indices of Industrial Production. The indices cover a presentative sample of establishments.

1/ The term "unbilled consumption" represents the consumption made in the area under the control of the Turkish Invasion forces, the proceeds of which are presently uncollectible. This consumption amounted in million kwh to 300 in 1986, 257 in 1987, 249 in 1988, 312 in 1989, 322 in 1990 and 340 in 1991.

Related national publications:

Industrial Production Survey (annual until 1983); Industrial Statistics (annual beginning 1984); Statistical Abstract (annual); Economic Report (annual); Index Numbers of Industrial Production (irregular), all published by the Department of Statistics and Research, Ministry of Finance, Nicosia.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	6	6	7	7	7	112	142	160	130	111	230
290	Other mining	111	111	98	98	98	838	788	750	590	601	290
2	Mining, quarrying .	117	117	105	105	105	950	930	910	720	712	2
311/2	Food products	916	920	913	908	926	5493	5766	6033	6216	6366	311/2
313	Beverages	52	52	57	58	57	1772	1803	1931	2041	1908	313
314	Tobacco	4	4	7	7	7	396	443	438	418	442	314
321	Textiles	205	210	215	223	225	2091	2155	2039	2327	2341	321
3211	Spinning,weaving etc..	23	23	18	18	18	250	253	305	366	371	3211
322	Wearing apparel	1309	1320	1373	1377	1430	9365	10455	11286	11703	12356	322
323	Leather and products ...	84	84	95	95	97	880	914	1081	936	971	323
324	Footwear	169	172	165	167	169	2744	2732	2747	2383	2206	324
331	Wood products	924	930	961	955	965	2896	2841	2785	2936	2802	331
332	Furniture, fixtures	773	775	707	701	708	2943	2955	3043	2629	2711	332
341	Paper and products	51	51	54	56	60	652	665	668	755	781	341
3411	Pulp,paper etc.	-	-	-	-	-	-	-	-	-	-	3411
342	Printing,publishing	222	225	316	317	330	1566	1555	1814	1950	2031	342
351	Industrial chemicals ...	9	9	7	7	6	183	297	396	247	94	351
3511	Basic excl fertilizers	1	1	1	1	1	27	27	27	29	29	3511
3513	Synthetic resins etc .	-	-	-	-	-	-	-	-	-	-	3513
352	Other chemical products.	102	105	99	101	103	1119	1088	1123	1266	1314	352
3522	Drugs and medicines ..	5	5	4	4	4	112	137	141	178	204	3522
353	Petroleum refineries ...	1	1	1	1	1	166	163	151	140	143	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products	19	19	13	15	15	152	168	157	152	145	355
356	Plastic products n.e.c..	43	43	43	43	43	1071	1036	1035	1120	1175	356
361	Pottery,china etc	42	42	63	63	63	116	129	150	176	147	361
362	Glass and products	17	17	27	27	33	28	18	17	60	85	362
369	Non-metal products n.e.c	179	180	225	233	235	2306	2294	2400	2529	2465	369
371	Iron and steel	-	-	-	-	-	-	-	-	-	-	371
372	Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	372
381	Metal products	855	860	893	897	900	3166	3109	3078	3210	3273	381
382	Machinery n.e.c.	227	230	272	274	280	1294	1299	1417	1417	1469	382
3825	Office,computing etc..	2	2	6	6	6	18	18	45	...	...	3825
383	Electrical machinery ...	65	65	95	95	95	697	620	638	727	713	383
3832	Radio,television etc..	5	5	7	7	6	37	32	34	33	20	3832
384	Transport equipment	80	80	76	78	78	411	501	438	484	462	384
3841	Shipbuilding, repair..	27	27	24	24	24	131	146	137	142	170	3841
3843	Motor vehicles	53	55	50	52	52	280	350	301	342	292	3843
385	Professional goods	-	-	-	3	3	-	-	-	7	8	385
390	Other industries	308	310	388	385	397	908	938	989	1108	1278	390
3	Manufacturing	6656	6704	7065	7087	7226	42415	43944	45854	46937	47686	3
410	Electricity,gas,steam ..	9 a/	9 a/	9 a/	7 a/	7 a/	1101	1110	1082	1097	1119	410
4101	Electricity	1 a/	1 a/	1 a/	1 a/	1 a/	1022	1030	998	1011	1035	4101
420	Water works and supply .	7 a/	7 a/	7 a/	10 a/	10 a/	253	240	230	220	232	420
4	Electricity,gas etc	16 a/	16 a/	16 a/	17 a/	17 a/	1354	1350	1312	1317	1351	4
2-4	All industry	6789	6837	7186	7209	7348	44719	46224	48076	48974	49749	2-4

a/ Electricity, gas and water: number of enterprises.

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ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES (NUMBER)					4. WAGES AND SALARIES OF EMPLOYEES (THOUSAND POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	112	142	160	130	111	590	813	1004	911	866	230
290	Other mining	816	761	714	559	571	3406	3042	2977	2501	2799	290
2	Mining, quarrying .	928	903	874	689	682	3996	3855	3981	3412	3665	2
311/2	Food products	4873	5063	5404	5686	5880	14058	15238	17383	19985	22886	311/2
313	Beverages	1762	1799	1927	2036	1905	7871	8404	9724	10982	10909	313
314	Tobacco	394	441	438	418	442	1754	1883	2261	2374	2937	314
321	Textiles	2004	2095	1972	2173	2181	4938	5297	5835	6789	7319	321
3211	Spinning,weaving etc..	245	253	305	365	371	702	790	1137	1363	1520	3211
322	Wearing apparel	8441	9458	10376	10686	11272	17223	21212	25062	27733	32049	322
323	Leather and products ...	830	858	1009	886	940	1986	2230	2736	2615	3070	323
324	Footwear	2661	2648	2653	2307	2139	6935	7422	7928	7294	7548	324
331	Wood products	2042	2056	2000	2124	1929	6232	6330	6181	7821	7550	331
332	Furniture, fixtures	2282	2377	2487	2267	2321	6355	6982	7545	8182	8894	332
341	Paper and products	637	652	656	744	779	2147	2367	2544	2727	3442	341
3411	Pulp,paper etc.	-	-	-	-	-	-	-	-	-	-	3411
342	Printing,publishing	1450	1438	1724	1773	1843	5702	6504	7707	7889	9291	342
351	Industrial chemicals ...	183	297	396	247	94	791	1355	1879	1209	478	351
3511	Basic excl fertilizers	27	27	27	29	29	161	155	152	168	183	3511
3513	Synthetic resins etc .	-	-	-	-	-	-	-	-	-	-	3513
352	Other chemical products.	1088	1058	1089	1243	1287	3303	3449	3701	4843	5430	352
3522	Drugs and medicines ..	112	137	141	178	204	293	332	388	538	738	3522
353	Petroleum refineries ...	166	163	151	140	143	1467	1529	1673	1609	1759	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products	144	162	151	147	140	503	566	586	599	590	355
356	Plastic products n.e.c..	1065	1036	1035	1110	1175	3537	3802	4191	4509	5326	356
361	Pottery,china etc	90	100	108	133	99	190	183	217	347	322	361
362	Glass and products	13	13	11	60	85	30	32	25	261	320	362
369	Non-metal products n.e.c	2228	2259	2362	2461	2399	9414	9992	11574	12611	14007	369
371	Iron and steel	-	-	-	-	-	-	-	-	-	-	371
372	Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	372
381	Metal products	2520	2589	2595	2620	2697	7725	7998	8806	9957	11202	381
382	Machinery n.e.c.	1142	1067	1164	1280	1353	3823	3470	4404	5101	5903	382
3825	Office,computing etc..	17	17	...	...	...	48	48	...	...	...	3825
383	Electrical machinery ...	664	603	619	688	694	1936	1954	2227	2675	2915	383
3832	Radio,television etc..	36	31	32	32	20	123	111	116	124	88	3832
384	Transport equipment	360	455	404	436	429	1212	1736	1698	1773	2025	384
3841	Shipbuilding, repair..	117	146	135	138	170	460	661	664	639	875	3841
3843	Motor vehicles	243	304	269	298	259	752	1065	1034	1134	1150	3843
385	Professional goods	-	-	-	6	6	-	-	-	16	20	385
390	Other industries	673	704	729	866	1085	1830	2153	2252	2831	3979	390
3	Manufacturing	37712	39391	41460	42537	43317	110962	122088	138139	152732	170171	3
410	Electricity,gas,steam ..	1101	1110	1082	1097	1119	7936	8352	8647	9161	10383	410
4101	Electricity	1022	1030	998	1011	1035	7567	7956	8195	8669	9864	4101
420	Water works and supply .	253	240	230	220	232	1488	1546	1297	1311	1516	420
4	Electricity,gas etc	1354	1350	1312	1317	1351	9424	9898	9944	10472	11899	4
2-4	All industry	39994	41644	43646	44543	45350	124382	135841	152064	166616	185735	2-4

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES (THOUSAND POUNDS)					6. AVERAGE NUMBER OF OPERATIVES (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	76	101	115	109	104	73	96	108	83	65	230
290	Other mining	404	376	378	351	391	719	673	624	500	512	290
2	Mining, quarrying .	480	477	493	460	495	792	769	732	583	577	2
311/2	Food products	1696	1879	2204	2415	2672	3627	3860	3878	4151	4219	311/2
313	Beverages	911	969	1120	1255	1366	1082	1108	1187	1351	1304	313
314	Tobacco	259	266	308	331	378	300	333	308	304	308	314
321	Textiles	602	656	752	872	1049	1796	1846	1747	1921	1931	321
3211	Spinning,weaving etc..	77	93	137	159	246	217	215	257	316	326	3211
322	Wearing apparel	2264	2826	3417	3830	4459	7788	9143	9555	9888	10334	322
323	Leather and products ...	293	348	336	375	456	756	847	893	805	827	323
324	Footwear	879	1001	1134	1043	1107	2408	2543	2356	2082	1928	324
331	Wood products	828	813	767	1068	1039	1924	1787	1860	1974	1775	331
332	Furniture, fixtures	853	919	1026	1134	1262	2098	2184	2310	2018	2093	332
341	Paper and products	257	282	303	325	428	476	492	499	547	598	341
3411	Pulp,paper etc.	-	-	-	-	-	-	-	-	-	-	3411
342	Printing,publishing	687	782	934	951	1151	1104	1262	1252	1380	1437	342
351	Industrial chemicals ...	87	148	239	153	53	107	214	337	207	69	351
3511	Basic excl fertilizers	15	17	16	17	15	19	19	19	19	19	3511
3513	Synthetic resins etc .	-	-	-	-	-	-	-	-	-	-	3513
352	Other chemical products.	409	417	430	574	630	736	710	733	819	794	352
3522	Drugs and medicines ..	29	33	46	59	87	86	100	99	132	163	3522
353	Petroleum refineries ...	204	218	256	238	385	118	115	107	101	102	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products	69	66	82	76	86	114	130	124	119	115	355
356	Plastic products n.e.c..	395	473	479	561	640	810	753	762	870	890	356
361	Pottery,china etc	23	18	26	42	44	85	92	107	118	99	361
362	Glass and products	4	2	2	33	40	13	11	8	51	71	362
369	Non-metal products n.e.c	1163	1313	1476	1641	1933	1957	2001	2013	2155	2057	369
371	Iron and steel	-	-	-	-	-	-	-	-	-	-	371
372	Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	372
381	Metal products	1004	1026	1112	1261	1465	2215	2188	2256	2234	2282	381
382	Machinery n.e.c.	493	443	637	690	831	964	898	998	1040	1104	382
3825	Office,computing etc..	6	6	...	...	...	12	12	...	...	...	3825
383	Electrical machinery ...	231	241	260	325	363	532	467	512	525	542	383
3832	Radio,television etc..	15	13	22	17	10	28	25	28	23	11	3832
384	Transport equipment	161	225	258	242	254	308	394	353	390	369	384
3841	Shipbuilding, repair..	69	83	75	91	116	96	125	110	125	139	3841
3843	Motor vehicles	92	140	183	151	138	212	264	243	265	230	3843
385	Professional goods	-	-	-	2	3	-	-	-	6	6	385
390	Other industries	216	287	272	368	501	609	770	633	729	898	390
3	Manufacturing	13988	15618	17830	19805	22595	31927	34148	34788	35785	36152	3
410	Electricity,gas,steam ..	1898	2027	2104	2364	3147	471	486	497	501	516	410
4101	Electricity	1854	1980	2050	2303	3079	412	425	432	432	448	4101
420	Water works and supply .	231	245	216	208	248	87	111	82	79	83	420
4	Electricity,gas etc	2129	2272	2320	2572	3395	558	597	579	580	599	4
2-4	All industry	16597	18367	20643	22837	26485	33277	35514	36099	36948	37328	2-4

CYPRUS

ISIC	INDUSTRY	7. WAGES AND SALARIES OF OPERATIVES (THOUSAND POUNDS)					8. DAYS WORKED BY OPERATIVES (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	294	457	575	488	415	17	22	25	20	15	230
290	Other mining	2969	2631	2533	2242	2511	142	139	128	116	118	290
2	Mining, quarrying .	3263	3088	3108	2730	2926	159	161	153	136	133	2
311/2	Food products	9640	10222	11273	13608	15403	928	1019	1008	1067	1097	311/2
313	Beverages	4274	4631	5252	5991	7222	262	270	291	328	319	313
314	Tobacco	993	1039	1166	1476	1716	55	81	72	71	73	314
321	Textiles	4191	4388	4896	5643	6046	424	438	411	451	450	321
3211	Spinning,weaving etc..	579	620	939	1144	1291	53	51	60	75	75	3211
322	Wearing apparel	15000	18622	21717	24335	27875	1799	2167	2236	2314	2428	322
323	Leather and products ...	1682	1857	2265	2214	2545	178	203	207	187	192	323
324	Footwear	5969	6320	6663	6209	6451	551	595	537	479	434	324
331	Wood products	5797	5768	5628	7205	6921	454	431	437	462	415	331
332	Furniture, fixtures	5732	6338	6958	7276	8009	497	520	545	472	490	332
341	Paper and products	1476	1680	1761	1837	2513	113	117	118	123	139	341
3411	Pulp,paper etc.	-	-	-	-	-	-	-	-	-	-	3411
342	Printing,publishing	4123	4508	5209	5912	6950	272	318	313	346	362	342
351	Industrial chemicals ...	469	987	1559	987	338	26	45	83	28	17	351
3511	Basic excl fertilizers	122	112	109	108	113	6	6	5	5	5	3511
3513	Synthetic resins etc .	-	-	-	-	-	-	-	-	-	-	3513
352	Other chemical products.	2122	2172	2175	2938	3153	173	168	174	192	187	352
3522	Drugs and medicines ..	215	230	239	337	572	20	24	24	31	40	3522
353	Petroleum refineries ...	945	988	1094	1095	1171	37	38	37	25	33	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products	363	427	432	469	476	26	30	29	28	27	355
356	Plastic products n.e.c..	2730	2777	2951	3363	4046	201	186	182	209	210	356
361	Pottery,china etc	174	172	216	301	322	20	21	26	28	23	361
362	Glass and products	30	30	20	217	261	3	3	2	12	16	362
369	Non-metal products n.e.c	8198	8623	9728	10917	11917	515	528	537	569	549	369
371	Iron and steel	-	-	-	-	-	-	-	-	-	-	371
372	Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	372
381	Metal products	6575	6691	7485	8392	9403	522	523	539	527	536	381
382	Machinery n.e.c.	3218	2919	3713	4086	4766	227	212	236	246	261	382
3825	Office,computing etc..	32	32	...	...	...	3	3	...	...	...	3825
383	Electrical machinery ...	1381	1396	1637	1905	2089	128	112	123	124	127	383
3832	Radio,television etc..	83	85	82	73	39	7	6	7	5	3	3832
384	Transport equipment	1026	1504	1496	1555	1804	72	94	86	95	92	384
3841	Shipbuilding, repair..	385	575	553	572	779	23	30	27	29	35	3841
3843	Motor vehicles	641	920	944	983	1025	49	63	58	66	57	3843
385	Professional goods	-	-	-	16	20	-	-	-	1	1	385
390	Other industries	1617	1852	1927	2375	3253	149	192	159	174	216	390
3	Manufacturing.....	87725	95911	107221	120322	134670	7632	8311	8388	8558	8694	3
410	Electricity,gas,steam ..	3414	3528	3875	4130	4491	165	171	174	174	180	410
4101	Electricity	3178	3274	3579	3793	4123	150	155	158	158	164	4101
420	Water works and supply .	541	774	408	383	429	23	22	25	24	25	420
4	Electricity,gas etc	3955	4302	4283	4513	4920	188	193	199	198	205	4
2-4	All industry	94943	103301	114612	127565	142516	7979	8665	8740	8892	9032	2-4

ISIC	INDUSTRY	9. QUANTITY OF ELECTRICITY CONSUMED a/ (MILLION KWH)					10. OUTPUT IN PRODUCERS' PRICES (MILLION POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	3.7	4.1	7.2	9.0	4.6	1.0	1.6	1.8	1.4	0.6	230
290	Other mining	15.9	18.2	15.0	6.3	7.3	13.6	12.5	12.5	11.5	12.9	290
2	Mining, quarrying .	19.6	22.3	22.2	15.3	11.9	14.5	14.1	14.3	12.8	13.5	2
311/2	Food products	35.3	39.9	44.5	49.3	50.4	124.1	129.5	137.3	143.6	154.6	311/2
313	Beverages	12.1	12.9	13.3	15.3	15.4	41.7	46.6	51.9	64.0	71.1	313
314	Tobacco	1.9	2.1	1.5	2.1	3.2	26.5	30.4	33.1	31.9	34.1	314
321	Textiles	4.0	4.6	5.2	5.9	6.6	21.6	24.8	29.5	33.6	36.0	321
3211	Spinning,weaving etc..	...	...	...	...	...	3.5	4.6	5.9	8.0	9.1	3211
322	Wearing apparel	6.9	8.2	9.7	10.7	14.2	80.4	104.8	120.7	125.3	142.3	322
323	Leather and products ...	0.9	0.9	1.1	1.2	1.3	9.1	12.4	14.0	12.8	13.8	323
324	Footwear	3.3	3.8	4.0	3.9	3.8	29.3	32.7	35.8	33.6	35.6	324
331	Wood products	6.8	7.2	7.4	7.6	7.8	32.0	32.2	33.5	39.2	42.1	331
332	Furniture, fixtures	2.4	2.9	3.2	4.1	4.8	30.2	31.2	33.5	31.6	36.0	332
341	Paper and products	1.9	2.4	2.5	2.6	3.1	15.7	19.2	20.8	21.2	29.1	341
3411	Pulp,paper etc.	-	-	-	-	-	-	-	-	-	-	3411
342	Printing,publishing	4.0	4.1	4.7	5.0	5.5	21.5	22.6	29.5	33.5	40.0	342
351	Industrial chemicals ...	1.7	6.1	11.9	7.3	1.8	3.9	6.6	15.2	8.5	4.2	351
3511	Basic excl fertilizers	...	...	...	...	...	0.5	0.6	0.7	0.7	0.7	3511
3513	Synthetic resins etc .	-	-	-	-	-	-	-	-	-	-	3513
352	Other chemical products.	2.8	3.7	4.4	4.9	5.4	26.3	28.4	32.1	41.2	46.4	352
3522	Drugs and medicines ..	...	...	...	...	...	4.7	4.8	6.4	6.6	8.3	3522
353	Petroleum refineries ...	9.6	10.3	11.8	11.1	11.1	41.1	46.0	42.7	49.6	53.6	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products	1.9	2.1	2.3	2.3	2.1	3.1	3.5	3.7	3.5	3.3	355
356	Plastic products n.e.c..	16.6	17.2	18.0	19.8	22.0	18.9	21.3	24.5	26.6	29.8	356
361	Pottery,china etc	[0.7	0.7	0.9	1.1	1.1]	0.7	0.7	0.8	1.4	1.4	361
362	Glass and products						0.1	0.1	0.1	1.4	2.0	362
369	Non-metal products n.e.c	112.3	123.2	128.6	138.7	147.8	46.1	52.0	58.4	69.7	75.4	369
371	Iron and steel	-	-	-	-	-	-	-	-	-	-	371
372	Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	372
381	Metal products	9.2	10.7	13.1	13.2	14.8	47.9	52.2	57.8	70.2	72.5	381
382	Machinery n.e.c.	0.5	0.6	0.6	0.6	0.8	16.0	16.4	20.6	23.5	26.3	382
3825	Office,computing etc..	...	...	...	...	...	0.1	0.1	0.2	...	...	3825
383	Electrical machinery ...	2.1	2.4	3.0	3.0	2.7	12.6	11.8	13.8	16.1	15.0	383
3832	Radio,television etc..	...	...	...	...	...	0.7	0.5	0.2	0.5	0.2	3832
384	Transport equipment	0.6	0.7	0.8	0.7	0.7	5.0	7.2	7.7	8.2	8.8	384
3841	Shipbuilding, repair..	...	...	...	...	...	1.3	1.9	1.9	2.1	2.5	3841
3843	Motor vehicles	...	...	...	...	...	3.7	5.2	5.8	6.1	6.4	3843
385	Professional goods	-	-	-	-	-	-	-	-	0.2	0.2	385
390	Other industries	0.6	0.9	1.1	1.2	1.4	15.4	18.1	20.2	24.0	29.9	390
3	Manufacturing	238.1	267.6	293.6	311.6	327.8	669.1	750.6	837.5	914.4	10.0	3
410	Electricity,gas,steam ..	1.3	1.4	1.5	1.5	1.5	52.5	54.8	56.0	62.5	70.2	410
4101	Electricity	1.1	1.2	1.3	1.2	1.3	48.1	50.8	51.7	58.3	65.2	4101
420	Water works and supply .	32.3	35.1	37.2	39.9	45.7	7.9	8.8	9.4	10.2	11.4	420
4	Electricity,gas etc	33.6	36.5	38.7	41.4	47.2	60.4	63.6	65.4	72.7	81.6	4
2-4	All industry	291.3 b/	326.4 b/	354.5 b/	368.3 b/	386.9 b/	744.0	828.3	917.1	999.9	11.0	2-4

a/ Quantity of electricity supplied by the Electric Authority of Cyprus and other electricity producers to industrial consumers.
b/ Excluding unbilled consumption in the occupied area.

CYPRUS

ISIC	INDUSTRY	11. VALUE ADDED IN PRODUCERS' PRICES (THOUSAND POUNDS)					12. GROSS FIXED CAPITAL FORMATION TOTAL (THOUSAND POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	267	549	686	402	276	185	187	51	90	226	230
290	Other mining	7294	6156	6377	5768	6382	515	288	490	815	1329	290
2	Mining, quarrying .	7561	6705	7063	6170	6658	700	475	541	905	1555	2
311/2	Food products	33125	36159	39001	42074	46160	7592	6156	9551	9694	7870	311/2
313	Beverages	19694	22029	25310	30703	33458	2570	3621	5482	6931	4161	313
314	Tobacco	16630	18547	18998	18301	18752	210	578	421	170	240	314
321	Textiles	9476	10746	12963	13980	14713	1056	2289	2723	2694	3479	321
3211	Spinning,weaving etc..	1452	1912	2503	3273	3464	207	390	642	1136	1019	3211
322	Wearing apparel	30401	40028	46800	47833	53867	2285	4691	3168	4945	4143	322
323	Leather and products ...	3372	4473	4599	4553	4969	359	274	349	467	530	323
324	Footwear	10799	12155	12975	12639	13589	1227	966	1285	1000	805	324
331	Wood products	14107	14603	14871	17097	17891	820	1101	1978	1726	1173	331
332	Furniture, fixtures	13375	14092	15430	14778	16402	1307	1673	2300	2341	1804	332
341	Paper and products	4643	5355	5763	5678	7711	446	1000	660	732	2340	341
3411	Pulp,paper etc.	-	-	-	-	-	-	-	-	-	3	3411
342	Printing,publishing	9773	10883	12897	14564	16936	1488	2066	2574	3166	3502	342
351	Industrial chemicals ...	1463	2284	3643	2332	1460	302	876	1222	404	672	351
3511	Basic excl fertilizers	275	346	416	475	450	84	236	97	404	601	3511
3513	Synthetic resins etc .	-	-	-	-	-	-	-	-	-	-	3513
352	Other chemical products.	7368	8290	9751	11591	12574	999	939	1452	2508	3433	352
3522	Drugs and medicines ..	1124	1270	2144	1902	2059	236	302	223	837	318	3522
353	Petroleum refineries ...	2708	2431	2929	3125	3134	80	491	177	219	176	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products	1107	1201	1294	1247	1358	76	362	224	509	262	355
356	Plastic products n.e.c..	7109	8368	10673	10197	11498	1254	1256	2027	1926	2778	356
361	Pottery,china etc	460	437	476	892	800	48	43	9	238	129	361
362	Glass and products	115	86	95	525	668	1	9	-	81	339	362
369	Non-metal products n.e.c	19039	22431	25776	29011	31641	2949	3241	2868	3392	5191	369
371	Iron and steel	-	-	-	-	-	-	-	-	-	-	371
372	Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	372
381	Metal products	16500	18014	20056	22282	25093	2328	1824	2532	3198	3639	381
382	Machinery n.e.c.	7055	7114	9229	9798	10910	2795	2522	886	1921	1808	382
3825	Office,computing etc..	84	79	130	...	...	3	-	-	...	15	3825
383	Electrical machinery ...	3933	3869	4263	5527	5394	343	307	402	771	411	383
3832	Radio,television etc..	133	149	121	135	69	10	14	-	12	24	3832
384	Transport equipment	2229	3201	3389	3879	4026	234	215	64	282	186	384
3841	Shipbuilding, repair..	625	987	1103	1170	1448	60	106	11	49	39	3841
3843	Motor vehicles	1604	2182	2286	2709	2578	174	106	53	233	147	3843
385	Professional goods	-	-	-	55	64	-	-	-	22	-	385
390	Other industries	4708	5654	6268	7865	8826	502	545	700	1331	1231	390
3	Manufacturing	239189	272450	307449	330526	361894	31271	37045	43054	50668	50302	3
410	Electricity,gas,steam ..	30629	31802	35891	37303	41374	6841	10389	25398	11968	16385	410
4101	Electricity	29712	30741	34738	36143	39944	6521	10092	25006	11479	16018	4101
420	Water works and supply .	4614	5154	5681	6418	7300	2154	3560	3135	3990	2805	420
4	Electricity,gas etc	35243	36956	41572	43721	48674	8995	13949	28533	15958	19190	4
2-4	All industry	281993	316111	356084	380417	417226	40966	51469	72128	67531	71047	2-4

ISIC	INDUSTRY	13. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT (THOUSAND POUNDS)					14. VALUE OF STOCKS AT END OF PERIOD TOTAL (THOUSAND POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	180	184	42	87	207	728	1128	1166	1121	875	230
290	Other mining	469	225	426	598	1035	3696	1328	508	282	348	290
2	Mining, quarrying .	649	409	468	685	1242	4424	2456	1674	1403	1223	2
311/2	Food products	4191	4138	6096	6528	5022	14070	14370	16628	17950	17810	311/2
313	Beverages	1656	2607	4422	5977	3061	20932	24528	26187	28845	27269	313
314	Tobacco	75	472	320	63	176	1282	2600	2569	4302	4555	314
321	Textiles	857	1668	2044	1973	2352	6209	7112	7463	8610	10605	321
3211	Spinning,weaving etc..	190	254	633	796	678	887	1282	1332	1943	2519	3211
322	Wearing apparel	1207	2804	1924	3056	2631	15141	16857	19171	22379	23548	322
323	Leather and products ...	84	182	159	323	326	2374	3311	3397	3505	3961	323
324	Footwear	977	742	972	671	581	6903	8024	9513	7661	7078	324
331	Wood products	484	496	1136	1045	620	4788	3537	4084	5988	5237	331
332	Furniture, fixtures	651	614	1269	1481	1260	4663	4647	4021	6324	6390	332
341	Paper and products	228	574	513	540	1150	3342	3601	3376	4164	7691	341
3411	Pulp,paper etc.	-	-	-	-	3	-	-	-	-	-	3411
342	Printing,publishing	1190	1464	1842	2143	2714	2647	2137	2093	2523	3850	342
351	Industrial chemicals ...	195	759	962	259	582	2427	3769	4002	3157	794	351
3511	Basic excl fertilizers	78	224	59	205	520	18	45	39	33	31	3511
3513	Synthetic resins etc .	-	-	-	-	-	-	-	-	-	-	3513
352	Other chemical products.	591	638	1003	1622	1818	7536	8150	7524	9050	10746	352
3522	Drugs and medicines ..	102	145	223	684	282	927	1120	626	748	805	3522
353	Petroleum refineries ...	80	491	174	219	172	2089	2128	3056	1564	2500	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products	64	196	208	340	229	553	599	672	906	881	355
356	Plastic products n.e.c..	1080	928	1780	1657	1997	4751	5050	7381	7295	8458	356
361	Pottery,china etc	37	31	6	182	72	150	61	31	121	158	361
362	Glass and products	1	2	-	52	307	37	20	57	184	424	362
369	Non-metal products n.e.c	2212	1955	1973	1929	4021	8802	6651	10561	11593	10503	369
371	Iron and steel	-	-	-	-	-	-	-	-	-	-	371
372	Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	372
381	Metal products	1094	1206	1593	1495	1931	10324	9080	9678	13209	11322	381
382	Machinery n.e.c.	1762	1936	393	1202	894	4308	4687	5066	5637	6279	382
3825	Office,computing etc..	...	...	...	...	1	23	68	114	...	...	3825
383	Electrical machinery ...	216	212	173	524	277	4875	4539	5207	5198	4969	383
3832	Radio,television etc..	1	14	-	5	18	152	141	65	157	142	3832
384	Transport equipment	159	202	38	159	146	1526	2256	2989	1926	1816	384
3841	Shipbuilding, repair..	7	105	1	43	16	414	462	390	522	228	3841
3843	Motor vehicles	152	94	36	116	130	1112	1742	2599	1404	1588	3843
385	Professional goods	-	-	-	18	4	-	-	-	86	92	385
390	Other industries	362	465	684	495	993	3882	3956	6330	7861	8282	390
3	Manufacturing	19453	24782	29684	33953	33336	133611	141670	161056	180038	185218	3
410	Electricity,gas,steam ..	2123	5141	18281	5632	8517	8250	9831	9588	9294	12163	410
4101	Electricity	1818	4844	17906	5254	8169	7982	9661	9409	9108	11855	4101
420	Water works and supply .	72	123	69	67	144	400	453	45	45	45	420
4	Electricity,gas etc	2195	5264	18350	5699	8661	8650	10284	9633	9339	12208	4
2-4	All industry	22297	30455	48502	40337	43239	146685	154410	172363	190780	198649	2-4

15. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	62	50	41	62	44	60	67	47	10	-25.0	230
290	Other mining	83	77	67	77	72	75	73	61	66	-5.1	290
2	Mining, quarrying .	79	75	65	71	64	68	66	55	55	-7.2	2
311/2	Food products	118	127	135	140	144	155	162	170	174	7.2	311/2
313	Beverages	116	122	125	119	116	109	116	139	159	6.0	313
314	Tobacco	114	98	93	84	68	134	158	156	172	7.0	314
321	Textiles	101	97	101	95	94	102	124	113	125	2.8	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	87	102	126	102	110	136	128	112	121	2.4	322
323	Leather and products ...	119	122	132	152	169	179	193	211	213	9.9	323
324	Footwear	116	121	128	127	124	131	132	131	111	1.3	324
331	Wood products	112	119	126	131	124	112	126	121	112	1.4	331
332	Furniture, fixtures	122	144	143	145	151	182	173	219	248	12.0	332
341	Paper and products	101	103	94	90	79	86	109	109	120	2.3	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	129	108	138	131	102	108	115	132	144	4.7	342
351	Industrial chemicals ...	147	205	91	101	114	163	435	386	187	8.1	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	122	127	134	150	166	167	168	196	218	10.2	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	98	121	105	101	90	89	97	113	112	1.4	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	122	135	100	139	119	140	133	119	171	6.9	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	91	86	84	77	92	87	91	103	112	1.4	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	125	100	103	104	96	119	123	125	125	2.8	381
382	Machinery n.e.c.	121	126	140	173	169	177	223	187	194	8.6	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	190	198	170	181	149	121	143	178	165	6.5	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	148	149	159	142	124	168	169	114	100	0.0	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	125	125	146	165	165	151	145	153	159	6.0	390
3	Manufacturing	109	112	118	115	118	130	138	144	151	5.3	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	110	118	120	127	136	149	167	181	198	8.9	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry b/	109	112	118	116	119	131	142	147	154	5.5	2-4

a/ Annual growth rate 1982-1990.

b/ Excluding gas and steam.

CZECHOSLOVAKIA

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Federal Statistical Office of Czechoslovakia, Prague. The concepts, definitions and classification by branches of industry have been adjusted as far as possible to comply with United Nations standards.

The estimates are derived from annual industrial inquiries covering activities of industrial enterprises in socialist industry. Socialist industry comprises State national and local industries and co-operatives. State national enterprises are relatively independent economic units under socialist ownership. The difference between State national and local enterprises is organizational only. The latter are those under the control of national committees at regional, district or local level, usually producing goods or services of local importance. Industrial activity of a secondary or ancillary character in non-industrial enterprises is not included and private handicrafts are not covered. The figures given in the tables generally relate to all socialist industry, but the number of enterprises and the estimates of output relate to State national industry only; the estimates of gross fixed capital formation exclude co-operatives.

The estimates, which are based on the national classification scheme, have been adjusted as far as possible to ISIC. It should be noted that publishing is not covered and for water works and supply, only selected items of information are available. It should also be noted that repair of footwear is included in ISIC 324 and repair of motor vehicles in ISIC 384. All data for electric light and power include steam and hot water supply. It has not been possible to adjust the classification for the following differences: peat extraction (ISIC 290) is included in ISIC 210; stone processing (ISIC 369) in ISIC 290; salt mining (ISIC 290) in ISIC 351; matches (ISIC 352) in ISIC 331: boiler products (ISIC 381) in ISIC 382; and office machines (ISIC 3825) in ISIC 385. In the case of most figures, the estimates are compiled according to the principles of organization and methodology in effect during each year. For this reason, the estimates so annotated are not fully comparable from year to year.

The employment estimates relate to the average number of persons employed in industrial enterprises of socialist industry, including those engaged in non-industrial activities. Averages are calculated for operatives as the average daily number and for other employees as the average of numbers at the beginning and end of the year. Included are temporary workers, homeworkers, persons under military training and persons working outside the enterprise or outside the industry if at least partly paid by the enterprise. Apprentices are not included and working proprietors and unpaid family workers are not found in socialist industry. All estimates of operatives relate to workers employed in industrial activities only and exclude those engaged in activities of a non-industrial character. Homeworkers are included in the estimates of number of operatives and wages and salaries, but not in hours worked.

Wages and salaries relate to the gross earnings of employees (including payments in kind and employees' shares in the economic results of the enterprise) before deduction of income tax. No other deductions are made; health and pension contributions are paid by the employer. Payments to homeworkers are included in the estimates. Value added relates to net output and is the difference between the value of sales of output, adjusted for changes in the value of stocks, and the cost of materials and services (including non-industrial) consumed. The estimates are net of depreciation allowances. The estimates of gross fixed capital formation refer to investment outlays of State industry on new fixed assets and on the expansion, reconstruction and renewal of existing fixed assets.

The indices of industrial production are compiled by the Federal Statistical Office of Czechoslovakia and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover all publicly-owned enterprises and co-operatives.

Related national publications:

Statisticka Rocenka CSSR (Statistical Yearbook); Statistical Abstract (irregular), both published by the Federal Statistical Office of Czechoslovakia, Prague.

CZECHOSLOVAKIA

ISIC	INDUSTRY	1. NUMBER OF ENTERPRISES a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED b/c/d/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	37	37	40	42	14	149	151	153	153	191	210
220	Petroleum and gas	2	2	1	1	2	3	3	3	3	5	220
230	Metal ore mining	4	4	5	5	6	22	22	22	22	36	230
290	Other mining	12	12	13	12	40	19	19	19	18	20	290
2	Mining, quarrying .	55	55	59	60	62	193	195	197	196	252	2
311/2	Food products	92	92	110	111	184	177	177	177	176	168	311/2
313	Beverages	25	25	29	31	39	34	34	34	34	34	313
314	Tobacco	2	2	2	2	2	4	4	4	4	4	314
321	Textiles	56	56	62	63	89	216	213	213	210	200	321
3211	Spinning,weaving etc..	41	41	46	46	64	153	151	150	149	141	3211
322	Wearing apparel	17	17	15	15	26	105	104	99	99	93	322
323	Leather and products ...	7	7	9	9	8	27	27	26	26	25	323
324	Footwear	6	6	6	7	4	70	68	69	69	67	324
331	Wood products	20	21	21	20	41	64	64	63	61	56	331
332	Furniture, fixtures	9	9	11	10	21	62	61	61	61	59	332
341	Paper and products	17	17	19	20	23	48	48	48	49	45	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	17	17	22	23	40	29	29	28	28	28	342
351	Industrial chemicals ...	29	31	31	31	31	95	94	95	93	89	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	18	19	19	22	24	24	24	25	26	27	352
3522	Drugs and medicines ..	14	14	15	16	14	15	15	15	15	14	3522
353	Petroleum refineries ...	7	7	9	8	8	26	26	26	26	23	353
354	Petroleum,coal products.	6	6	8	8	5	10	10	10	10	22	354
355	Rubber products	13	13	13	13	14	27	27	27	27	27	355
356	Plastic products n.e.c..	2	2	2	3	15	8	8	7	7	8	356
361	Pottery,china etc	2	2	2	2	8	9	9	9	9	10	361
362	Glass and products	22	23	24	29	38	76	76	76	76	73	362
369	Non-metal products n.e.c	47	48	50	49	92	86	86	82	80	75	369
371	Iron and steel	15	15	17	19	21	169	168	167	165	168	371
372	Non-ferrous metals	16	16	18	18	22	28	28	29	24	24	372
381	Metal products	52	53	60	64	81	164	164	170	172	164	381
382	Machinery n.e.c.	155	156	177	185	244	552	554	553	541	500	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	52	53	54	67	106	169	171	170	175	189	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	61	61	66	68	74	258	258	257	258	204	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	7	7	9	9	21	16	19	19	19	20	385
390	Other industries	17	17	18	22	40	48	46	46	47	46	390
3	Manufacturing ..... e/f/	789	798	884	928	1321	2601	2597	2590	2572	2448	3
410	Electricity,gas,steam ..	31	31	34	34	13	72	73	74	75	79	410
4101	Electricity ..... g/	27	27	30	30	13	66	67	69	68	79	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	31	31	34	34	13	72	73	74	75	79	4
2-4	All industry e/f/	875	884	977	1022	1396	2866	2865	2861	2843	2779	2-4

Note. For certain deviations in classification, see country note.

a/ State national industry only.
b/ Number of employees, including homeworkers; working proprietors and unpaid family workers are not found in socialist industry.
c/ Data are not fully comparable from year to year owing to organizational changes.
d/ Including persons engaged in non-industrial activities of enterprises in socialist industry.
e/ Including repair of footwear.
f/ Including repair of motor vehicles.
g/ Including steam and hot water supply.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/b/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/c/ (BILLION KORUNY)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	149	151	153	153	191	8.26	8.51	8.76	8.79	10.41	210
220	Petroleum and gas	3	3	3	3	5	0.13	0.10	0.11	0.11	0.21	220
230	Metal ore mining	22	22	22	22	36	0.95	0.98	0.99	0.99	1.84	230
290	Other mining	19	19	19	18	20	0.70	0.74	0.75	0.73	0.83	290
2	Mining, quarrying .	193	195	197	196	252	10.04	10.33	10.61	10.62	13.29	2
311/2	Food products	177	177	177	176	168	5.99	6.11	6.26	6.41	6.29	311/2
313	Beverages	34	34	34	34	34	1.18	1.17	1.21	1.29	1.36	313
314	Tobacco	4	4	4	4	4	0.13	0.13	0.14	0.15	0.16	314
321	Textiles	216	213	213	210	200	6.47	6.58	6.81	6.93	6.74	321
3211	Spinning,weaving etc..	153	151	150	149	141	4.68	4.77	4.94	5.02	4.85	3211
322	Wearing apparel	105	104	99	99	93	2.97	3.01	2.95	3.01	2.91	322
323	Leather and products ...	27	27	26	26	25	0.84	0.85	0.88	0.87	0.88	323
324	Footwear	70	68	69	69	67	2.34	2.36	2.49	2.57	2.60	324
331	Wood products	64	64	63	61	56	2.13	2.17	2.18	2.19	2.06	331
332	Furniture, fixtures	62	61	61	61	59	1.94	1.96	1.99	2.05	2.06	332
341	Paper and products	48	48	48	49	45	1.63	1.65	1.69	1.77	1.70	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	29	29	28	28	28	0.97	0.98	1.00	1.02	1.07	342
351	Industrial chemicals ...	95	94	95	93	89	3.71	3.75	3.82	3.84	3.81	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	24	24	25	26	27	0.83	0.85	0.88	0.96	1.01	352
3522	Drugs and medicines ..	15	15	15	15	14	0.52	0.53	0.54	0.57	0.54	3522
353	Petroleum refineries ...	26	26	26	26	23	1.10	1.17	1.19	1.20	1.09	353
354	Petroleum,coal products.	10	10	10	10	22	0.41	0.42	0.44	0.44	1.01	354
355	Rubber products	27	27	27	27	27	1.01	1.03	1.05	1.09	1.14	355
356	Plastic products n.e.c..	8	8	7	7	8	0.25	0.25	0.25	0.24	0.29	356
361	Pottery,china etc	9	9	9	9	10	0.27	0.27	0.28	0.30	0.35	361
362	Glass and products	76	76	76	76	73	2.48	2.55	2.63	2.70	2.75	362
369	Non-metal products n.e.c	86	86	82	80	75	3.23	3.26	3.18	3.17	3.10	369
371	Iron and steel	169	168	167	165	168	7.35	7.41	7.47	7.59	7.90	371
372	Non-ferrous metals	28	28	29	24	24	1.13	1.15	1.18	1.04	1.05	372
381	Metal products	164	164	170	172	164	5.75	5.81	6.14	6.35	6.23	381
382	Machinery n.e.c.	552	554	553	541	500	21.30	21.66	21.89	21.80	20.54	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	169	171	170	175	189	5.72	5.86	5.92	6.32	6.98	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	258	258	257	258	204 d/	9.69	9.82	9.95	10.07	8.20	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	16	19	19	19	20	0.57	0.69	0.70	0.73	0.80	385
390	Other industries	48	46	46	47	46	1.47	1.43	1.47	1.54	1.62	390
3	Manufacturing ..... d/e/	2601	2597	2590	2572	2448	92.86	94.35	96.04	97.64	95.70	3
410	Electricity,gas,steam ..	72	73	74	75	79	3.01	3.13	3.29	3.39	3.69	410
4101	Electricity ..... f/	66	67	69	68	79	2.78	2.89	3.04	3.13	3.69	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	72	73	74	75	79	3.01	3.13	3.29	3.39	3.69	4
2-4	All industry d/e/	2866	2865	2861	2843	2779	105.91	107.81	109.94	111.65	112.68	2-4

Note. For certain deviations in classification, see country note.

a/ Data are not fully comparable from year to year owing to organizational changes.
b/ Including homeworkers.
c/ Including payments to homeworkers.
d/ Including repair of footwear.
e/ Including repair of motor vehicles.
f/ Including steam and hot water supply.

CZECHOSLOVAKIA

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES a/ (MILLION KORUNY)					6. AVERAGE NUMBER OF OPERATIVES a/b/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	826	851	876	879	1041	119	121	122	122	143	210
220	Petroleum and gas	13	10	11	11	21	2	2	2	2	3	220
230	Metal ore mining	95	98	99	99	184	16	16	16	16	26	230
290	Other mining	70	74	75	73	83	14	14	14	13	15	290
2	Mining, quarrying .	1004	1033	1061	1062	1329	151	153	154	153	187	2
311/2	Food products	599	611	626	641	629	131	131	131	130	125	311/2
313	Beverages	118	117	121	129	136	24	24	24	25	25	313
314	Tobacco	13	13	14	15	16	3	3	3	3	3	314
321	Textiles	647	658	681	693	674	170	167	165	163	157	321
3211	Spinning,weaving etc..	468	477	494	502	485	119	117	116	114	109	3211
322	Wearing apparel	297	301	295	301	291	86	84	81	80	75	322
323	Leather and products ...	84	85	88	87	88	21	21	21	21	20	323
324	Footwear	234	236	249	257	260	55	54	54	54	53	324
331	Wood products	213	217	218	219	206	50	49	49	48	43	331
332	Furniture, fixtures	194	196	199	205	206	50	49	49	49	47	332
341	Paper and products	163	165	169	177	170	36	35	35	36	33	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	97	98	100	102	107	21	21	21	20	21	342
351	Industrial chemicals ...	371	375	382	384	381	64	63	63	62	60	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	83	85	88	96	101	17	17	17	18	18	352
3522	Drugs and medicines ..	52	53	54	57	54	9	9	9	9	9	3522
353	Petroleum refineries ...	110	117	119	120	109	17	17	16	16	14	353
354	Petroleum,coal products.	41	42	44	44	101	7	7	7	6	12	354
355	Rubber products	101	103	105	109	114	20	20	19	19	19	355
356	Plastic products n.e.c..	25	25	25	24	29	5	5	5	5	5	356
361	Pottery,china etc	27	27	28	30	35	7	7	7	7	8	361
362	Glass and products	248	255	263	270	275	60	59	59	59	56	362
369	Non-metal products n.e.c	323	326	318	317	310	63	63	60	58	55	369
371	Iron and steel	735	741	747	759	790	123	122	120	119	120	371
372	Non-ferrous metals	113	115	118	104	105	20	20	20	17	17	372
381	Metal products	575	581	614	635	623	127	126	130	133	125	381
382	Machinery n.e.c.	2130	2166	2189	2180	2054	357	357	354	346	323	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	572	586	592	632	698	113	114	112	115	123	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	969	982	995	1007	820	174	173	173	173	137	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	57	69	70	73	80	12	13	13	13	15	385
390	Other industries	147	143	147	154	162	37	36	36	36	36	390
3	Manufacturing ..... c/d/	9286	9435	9604	9764	9570	1870	1857	1844	1831	1745	3
410	Electricity,gas,steam ..	301	313	329	339	369	45	46	46	47	49	410
4101	Electricity ..... e/	278	289	304	313	369	42	42	43	43	49	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	301	313	329	339	369	45	46	46	47	49	4
2-4	All industry c/d/	10591	10781	10994	11165	11268	2066	2056	2044	2031	1981	2-4

Note. For certain deviations in classification, see country note.

a/ Data are not fully comparable from year to year owing to organizational changes.
b/ Including homeworkers.
c/ Including repair of footwear.
d/ Including repair of motor vehicles.
e/ Including steam and hot water supply.

ISIC	INDUSTRY	7. WAGES AND SALARIES OF OPERATIVES a/b/ (BILLION KORUNY)					8. HOURS WORKED BY OPERATIVES a/ (MILLIONS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	6.66	6.85	7.03	7.02	7.84	217	220	218	213	242	210
220	Petroleum and gas	0.09	0.07	0.07	0.08	0.14	4	4	4	4	6	220
230	Metal ore mining	0.67	0.69	0.69	0.69	1.27	28	29	28	28	43	230
290	Other mining	0.51	0.53	0.55	0.54	0.62	26	26	27	26	28	290
2	Mining, quarrying .	7.93	8.14	8.34	8.33	9.87	275	279	277	271	319	2
311/2	Food products	4.34	4.40	4.49	4.63	4.56	266	265	261	256	242	311/2
313	Beverages	0.83	0.81	0.84	0.90	0.96	48	48	47	48	48	313
314	Tobacco	0.09	0.10	0.10	0.10	0.11	6	6	6	6	6	314
321	Textiles	4.91	4.98	5.13	5.20	5.11	308	304	298	290	272	321
3211	Spinning,weaving etc..	3.52	3.58	3.69	3.74	3.66	217	214	210	203	190	3211
322	Wearing apparel	2.36	2.38	2.32	2.37	2.28	154	153	143	140	129	322
323	Leather and products ...	0.64	0.66	0.67	0.68	0.69	39	39	38	37	36	323
324	Footwear	1.81	1.82	1.91	1.96	1.97	102	100	98	97	91	324
331	Wood products	1.64	1.66	1.66	1.65	1.55	96	95	93	89	79	331
332	Furniture, fixtures	1.54	1.55	1.57	1.62	1.62	94	94	91	90	85	332
341	Paper and products	1.17	1.18	1.20	1.26	1.22	69	68	67	67	62	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	0.68	0.69	0.70	0.71	0.75	39	39	39	38	38	342
351	Industrial chemicals ...	2.42	2.46	2.49	2.50	2.50	118	117	116	113	107	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	0.52	0.53	0.55	0.60	0.64	30	31	31	32	32	352
3522	Drugs and medicines ..	0.29	0.29	0.30	0.32	0.32	16	16	16	16	15	3522
353	Petroleum refineries ...	0.69	0.72	0.72	0.72	0.66	31	31	30	29	25	353
354	Petroleum,coal products.	0.26	0.26	0.27	0.27	0.53	13	12	12	11	23	354
355	Rubber products	0.75	0.75	0.76	0.78	0.81	38	37	36	35	33	355
356	Plastic products n.e.c..	0.17	0.17	0.17	0.16	0.19	10	10	10	9	10	356
361	Pottery,china etc	0.21	0.20	0.21	0.22	0.26	13	13	13	13	13	361
362	Glass and products	1.88	1.92	1.97	2.02	2.06	112	111	110	109	101	362
369	Non-metal products n.e.c	2.35	2.36	2.29	2.28	2.24	123	123	117	111	104	369
371	Iron and steel	5.33	5.35	5.36	5.43	5.67	233	230	225	220	219	371
372	Non-ferrous metals	0.79	0.81	0.82	0.73	0.74	38	38	37	31	30	372
381	Metal products	4.29	4.33	4.55	4.73	4.63	243	240	247	247	229	381
382	Machinery n.e.c.	13.87	14.05	14.12	14.00	13.37	702	700	687	663	603	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	3.62	3.71	3.72	3.94	4.36	213	215	210	212	221	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	6.49	6.55	6.63	6.71	5.45	340	340	335	330	253	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	0.40	0.48	0.49	0.48	0.54	21	25	25	23	26	385
390	Other industries	1.09	1.05	1.08	1.13	1.20	70	68	66	66	63	390
3	Manufacturing ..... c/d/	65.14	65.93	66.79	67.78	66.67	3569	3552	3488	3412	3180	3
410	Electricity,gas,steam ..	1.87	1.93	2.01	2.06	2.25	87	88	88	88	92	410
4101	Electricity ..... e/	1.73	1.79	1.86	1.90	2.25	80	81	81	81	92	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	1.87	1.93	2.01	2.06	2.25	87	88	88	88	92	4
2-4	All industry c/d/	74.94	76.00	77.14	78.17	78.79	3931	3919	3853	3771	3591	2-4

Note. For certain deviations in classification, see country note.

a/ Data are not fully comparable from year to year owing to organizational changes.
b/ Including payments to homeworkers.
c/ Including repair of footwear.
d/ Including repair of motor vehicles.
e/ Including steam and hot water supply.

ISIC	INDUSTRY	9. QUANTITY OF ELECTRICITY CONSUMED (MILLION KWH)					10. OUTPUT a/b/c/ (BILLION KORUNY)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	4145	4295	4376	4367	5232	32.88	33.54	33.14	36.75	31.42	210
220	Petroleum and gas	6	6	6	8	34	0.93	0.85	0.90	1.10	1.86	220
230	Metal ore mining	409	420	428	430	838	3.83	3.85	4.16	4.09	8.89	230
290	Other mining	228	233	241	237	261	3.84	3.89	4.06	3.89	4.42	290
2	Mining, quarrying .	4788	4954	5051	5042	6365	41.48	42.13	42.26	45.83	46.59	2
311/2	Food products	1526	1526	1571	1579	1622	126.46	128.35	128.06	151.09	119.06	311/2
313	Beverages	313	326	334	366	390	12.84	13.07	13.14	15.30	14.06	313
314	Tobacco	13	13	14	14	15	2.02	2.12	2.15	2.41	2.31	314
321	Textiles	1724	1770	1681	1819	1822	39.27	40.02	40.82	41.24	40.98	321
3211	Spinning,weaving etc..	...	173	176	...	1546	31.11	31.72	32.24	32.78	32.34	3211
322	Wearing apparel	99	107	95	97	95	10.80	10.89	10.32	10.50	10.33	322
323	Leather and products ...	64	68	70	70	73	5.27	5.34	5.43	6.07	5.74	323
324	Footwear	263	266	267	268	269	11.75	11.52	11.80	13.18	11.49	324
331	Wood products	625	637	649	636	592	14.62	14.88	15.20	15.96	12.52	331
332	Furniture, fixtures	183	188	182	202	189	7.77	7.89	8.13	8.74	7.42	332
341	Paper and products	2177	2204	2223	2319	2378	17.84	18.20	18.78	20.11	18.67	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	80	82	83	90	114	4.36	4.45	4.81	4.97	6.08	342
351	Industrial chemicals ...	4447	4320	4315	4290	5208	49.45	50.48	51.97	47.45	55.46	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	933	946	947	958	209	8.53	9.02	9.27	9.90	12.44	352
3522	Drugs and medicines ..	136	144	147	158	145	5.86	6.24	6.41	6.36	6.81	3522
353	Petroleum refineries ...	471	475	488	638	2539	57.72	59.69	60.30	42.58	41.64	353
354	Petroleum,coal products.	2915	2910	2902	2881	575	5.63	5.75	5.60	6.12	6.55	354
355	Rubber products	372	376	376	379	372	9.95	10.27	10.39	10.05	10.71	355
356	Plastic products n.e.c..	89	92	94	92	99	1.78	1.79	1.87	1.64	2.23	356
361	Pottery,china etc	562	551	560	565	66	1.10	1.08	1.08	1.15	1.32	361
362	Glass and products	993	1001	1044	1145	1136	10.22	10.48	11.20	12.30	12.02	362
369	Non-metal products n.e.c	1870	2231	2291	2279	2184	22.62	22.81	22.52	21.72	21.18	369
371	Iron and steel	7530	7658	7921	7724	7993	86.67	88.02	88.80	81.04	90.11	371
372	Non-ferrous metals	1861	1914	1958	1897	1910	19.48	19.81	20.18	18.55	18.79	372
381	Metal products	1010	1034	1068	1115	1071	29.47	29.99	31.50	30.93	32.74	381
382	Machinery n.e.c.	2914	3042	3089	3054	3068	114.92	118.43	120.47	106.45	113.30	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	837	876	872	890	886	39.47	42.65	44.68	40.56	53.33	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	1614	1657	1703	1698	1508	72.21	73.37	75.16	70.21	71.51	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	240	246	240	212	111	2.37	3.58	3.66	3.46	3.45	385
390	Other industries	5483	5764	5613	5867	207	10.80	10.12	10.33	11.20	10.79	390
3	Manufacturing ..... d/e/	41228	42280	42650	43144	36701	795.39	814.14	827.63	805.26	806.23	3
410	Electricity,gas,steam ..	2979	3184	3257	3297	7438	36.16	38.79	38.94	39.71	40.49	410
4101	Electricity ..... f/	1553	1725	1804	1859	7438	34.18	36.92	37.25	37.98	40.49	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	2979	3184	3257	3297	7438	36.16	38.79	38.94	39.71	40.49	4
2-4	All industry d/e/	48995	50418	50958	51483	50504	873.03	895.06	908.82	890.80	893.31	2-4

Note. For certain deviations in classification, see country note.

a/ State national industry only.
b/ Data are not fully comparable from year to year owing to organizational changes.
c/ Excluding turnover taxes.
d/ Including repair of footwear.
e/ Including repair of motor vehicles.
f/ Including steam and hot water supply.

ISIC	INDUSTRY	11. VALUE ADDED a/ (BILLION KORUNY)					12. GROSS FIXED CAPITAL FORMATION TOTAL b/c/ (BILLION KORUNY)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	19.17	19.12	18.55	22.73	23.11	6.36	6.38	6.35	5.15	4.66	210
220	Petroleum and gas	0.71	0.65	0.70	0.90	0.96	0.29	0.33	0.30	0.22	0.14	220
230	Metal ore mining	2.24	2.31	2.44	2.64	1.43	0.38	0.41	0.57	0.49	1.10	230
290	Other mining	1.91	1.95	2.07	1.85	1.92	0.35	0.33	0.43	0.31	0.77	290
2	Mining, quarrying .	24.03	24.03	23.76	28.12	27.42	7.38	7.46	7.64	6.16	6.67	2
311/2	Food products	15.68	15.79	16.42	16.94	16.45	4.45	5.02	5.47	5.40	5.11	311/2
313	Beverages	3.32	3.15	3.46	4.09	4.63	1.02	0.80	1.05	1.04	1.30	313
314	Tobacco	0.40	0.42	0.44	0.41	0.43	0.05	0.10	0.06	0.09	0.07	314
321	Textiles	14.13	14.19	14.62	15.74	14.18	2.24	2.51	2.91	3.17	3.62	321
3211	Spinning,weaving etc..	10.63	10.73	11.04	11.98	10.74	1.80	2.02	2.30	2.66	2.97	3211
322	Wearing apparel	3.95	4.11	3.97	4.23	4.01	0.45	0.51	0.42	0.44	0.86	322
323	Leather and products ...	1.24	1.26	1.37	1.42	1.18	0.19	0.22	0.22	0.25	0.32	323
324	Footwear	3.80	3.61	3.92	4.60	...	0.39	0.41	0.44	0.48	0.47	324
331	Wood products	4.47	4.42	4.73	4.78	5.18	0.76	0.59	0.67	0.64	1.69	331
332	Furniture, fixtures	2.13	2.08	2.42	2.76	2.77	0.26	0.30	0.37	0.36	0.61	332
341	Paper and products	4.64	4.73	5.15	5.89	4.57	1.33	1.33	1.55	1.81	3.90	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	1.68	1.71	1.75	2.12	2.28	0.28	0.43	0.47	0.73	0.65	342
351	Industrial chemicals ...	13.41	13.95	14.56	13.17	12.53	2.56	2.93	3.81	4.18	6.78	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	2.31	2.47	2.58	2.44	3.17	0.60	0.63	0.69	0.63	0.89	352
3522	Drugs and medicines ..	1.78	1.88	1.95	1.77	1.95	0.55	0.58	0.57	0.53	0.57	3522
353	Petroleum refineries ...	8.36	9.56	10.55	6.45	5.67	2.06	2.33	2.30	1.27	1.11	353
354	Petroleum,coal products.	1.26	1.51	1.55	1.38	...	0.40	0.52	0.69	0.53	1.02	354
355	Rubber products	2.79	3.04	3.18	3.05	2.36	0.42	0.58	0.65	0.63	1.08	355
356	Plastic products n.e.c..	0.58	0.59	0.59	0.48	0.88	0.07	0.21	0.11	0.24	0.17	356
361	Pottery,china etc	0.56	0.53	0.52	0.60	0.82	0.16	0.14	0.14	0.09	0.11	361
362	Glass and products	3.99	4.17	4.50	5.43	5.35	1.41	1.18	1.33	1.01	0.98	362
369	Non-metal products n.e.c	8.08	7.99	8.29	8.64	7.38	1.69	1.92	1.91	1.95	1.81	369
371	Iron and steel	28.11	31.13	32.37	28.75	22.81	2.63	1.98	2.97	3.35	4.34	371
372	Non-ferrous metals	3.61	4.39	4.55	3.98	4.24	0.78	0.49	0.49	0.48	1.13	372
381	Metal products	9.97	10.63	11.50	10.68	10.80	1.63	1.62	1.99	2.06	2.47	381
382	Machinery n.e.c.	46.62	49.29	50.44	43.14	46.61	7.25	8.03	8.69	8.58	9.43	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	14.15	15.81	17.13	15.43	16.05	2.84	3.49	3.79	3.75	4.23	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	21.43	21.92	22.54	21.68	16.21	3.96	6.28	5.86	4.42	4.44	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	0.93	1.34	1.38	1.42	1.50	0.23	0.27	0.25	0.30	0.30	385
390	Other industries	2.41	2.46	2.67	2.92	3.45	0.52	0.49	0.57	0.75	1.08	390
3	Manufacturing ..... d/e/	224.01	236.63	247.15	232.62	224.86	40.63	45.34	49.90	48.64	59.97	3
410	Electricity,gas,steam ..	12.62	14.05	15.24	17.84	16.81	7.98	8.72	9.76	11.11	14.36	410
4101	Electricity ..... f/	11.56	13.06	14.24	16.64	16.81	7.71	8.45	9.43	10.84	14.34	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	12.62	14.05	15.24	17.84	16.81	7.98	8.72	9.76	11.11	14.36	4
2-4	All industry d/e/	260.66	274.71	286.15	278.57	269.09	55.99	61.53	67.30	65.90	81.00	2-4

Note. For certain deviations in classification, see country note.

a/ Net of depreciation and non-industrial costs.
b/ State industry only.
c/ Excluding used fixed assets.
d/ Including repair of footwear.
e/ Including repair of motor vehicles.
f/ Including steam and hot water supply.

13. GROSS FIXED CAPITAL FORMATION
MACHINERY AND EQUIPMENT a/b/
(BILLION KORUNY)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	3.40	3.58	3.74	2.98	3.85	210
220	Petroleum and gas	0.19	0.20	0.15	0.10	0.07	220
230	Metal ore mining	0.17	0.23	0.26	0.35	0.79	230
290	Other mining	0.26	0.25	0.34	0.22	0.53	290
2	Mining, quarrying .	4.02	4.26	4.50	3.64	5.24	2
311/2	Food products	2.67	3.21	3.67	3.57	3.26	311/2
313	Beverages	0.64	0.51	0.71	0.68	0.90	313
314	Tobacco	0.04	0.08	0.04	0.07	0.05	314
321	Textiles	1.77	2.12	2.49	2.72	2.99	321
3211	Spinning,weaving etc..	1.44	1.73	1.98	2.30	2.42	3211
322	Wearing apparel	0.30	0.34	0.31	0.30	0.62	322
323	Leather and products ...	0.13	0.17	0.16	0.17	0.20	323
324	Footwear	0.33	0.37	0.37	0.39	0.36	324
331	Wood products	0.59	0.47	0.54	0.52	1.37	331
332	Furniture, fixtures	0.17	0.23	0.27	0.26	0.44	332
341	Paper and products	1.01	0.99	1.26	1.30	3.42	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	0.20	0.33	0.37	0.64	0.55	342
351	Industrial chemicals ...	1.60	1.95	2.71	2.96	5.25	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	0.38	0.61	0.49	0.47	0.71	352
3522	Drugs and medicines ..	0.34	0.39	0.39	0.38	0.45	3522
353	Petroleum refineries ...	1.69	2.01	1.82	0.95	0.95	353
354	Petroleum,coal products.	0.07	0.17	0.33	0.27	0.53	354
355	Rubber products	0.32	0.42	0.42	0.44	0.87	355
356	Plastic products n.e.c..	0.04	0.18	0.08	0.22	0.12	356
361	Pottery,china etc	0.11	0.09	0.08	0.06	0.09	361
362	Glass and products	0.92	0.71	0.95	0.72	0.76	362
369	Non-metal products n.e.c	1.08	1.33	1.20	1.26	1.44	369
371	Iron and steel	1.94	1.30	2.34	2.66	3.47	371
372	Non-ferrous metals	0.58	0.36	0.34	0.34	0.46	372
381	Metal products	1.16	1.46	1.34	1.41	1.74	381
382	Machinery n.e.c.	4.70	5.78	6.59	6.33	6.85	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ...	2.23	2.82	3.11	3.00	3.25	383
3832	Radio,television etc..	...	...	...	...	...	3832
384	Transport equipment	2.26	4.50	4.30	3.15	3.70	384
3841	Shipbuilding, repair..	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	3843
385	Professional goods	0.16	0.20	0.19	0.25	0.23	385
390	Other industries	0.35	0.34	0.37	0.54	0.38	390
3	Manufacturing ..... c/d/	27.44	32.56	36.86	35.68	44.96	3
410	Electricity,gas,steam ..	3.85	4.16	4.38	5.31	8.11	410
4101	Electricity ..... e/	3.81	4.12	4.33	5.23	8.09	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	3.85	4.16	4.38	5.31	8.11	4
2-4	All industry c/d/	35.31	40.99	45.75	44.62	58.31	2-4

a/ State industry only.
b/ Excluding used fixed assets.
c/ Including repair of footwear.
d/ Including repair of motor vehicles.
e/ Including steam and hot water supply.

14. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	100	101	102	100	99	100	99	96	87	-1.7	210
220	Petroleum and gas	117	120	144	156	175	184	195	185	163	6.3	220
230	Metal ore mining	96	98	100	104	107	111	116	122	109	1.1	230
290	Other mining	98	97	99	100	103	105	109	109	104	0.5	290
2	Mining, quarrying .	99	101	102	101	101	102	103	101	91	-1.2	2
311/2	Food products	100	103	106	108	110	110	111	114	111	1.3	311/2
313	Beverages	102	106	108	106	103	106	108	109	112	1.4	313
314	Tobacco	102	104	106	104	112	119	121	126	130	3.3	314
321	Textiles	104	106	108	111	114	115	118	120	120	2.3	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	106	108	111	116	119	120	122	127	121	2.4	322
323	Leather and products ...	102	101	103	107	112	113	115	116	116	1.9	323
324	Footwear	103	102	104	107	106	104	105	107	104	0.5	324
331	Wood products	106	109	114	115	118	120	122	121	115	1.8	331
332	Furniture, fixtures	100	104	107	110	114	117	121	123	123	2.6	332
341	Paper and products	106	108	115	121	126	128	132	136	137	4.0	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... b/	105	107	111	114	118	120	124	127	138	4.1	342
351	Industrial chemicals ...	103	106	110	116	121	124	128	128	142	4.5	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	105	110	118	131	139	146	151	155	154	5.5	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	97	98	100	104	107	111	112	111	96	-0.5	353
354	Petroleum,coal products.	95	88	80	80	82	80	85	81	82	-2.5	354
355	Rubber products	104	107	111	115	120	124	126	128	127	3.0	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	106	111	115	116	117	117	117	119	124	2.7	361
362	Glass and products	105	105	110	112	114	117	125	134	134	3.7	362
369	Non-metal products n.e.c	101	102	102	103	105	106	110	110	103	0.4	369
371	Iron and steel	100	101	103	104	105	107	108	108	108	1.0	371
372	Non-ferrous metals	98	100	100	103	105	107	109	110	106	0.7	372
381	Metal products	104	107	110	116	118	120	121	122	122	2.5	381
382	Machinery n.e.c.	109	115	122	129	135	140	142	137	131	3.4	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	112	121	136	149	163	178	190	196	182	7.8	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	144	150	159	168	175	179	184	191	186	8.1	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	108	112	114	114	119	119	122	124	125	2.8	385
390	Other industries	103	105	107	110	112	114	117	119	112	1.4	390
3	Manufacturing ..... b/	104	107	111	116	119	122	125	126	121	2.4	3
410	Electricity,gas,steam ..	103	105	108	112	118	120	122	124	123	2.6	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	108	111	109	113	115	117	121	124	123	2.6	420
4	Electricity,gas etc	103	105	108	112	118	120	122	124	123	2.6	4
2-4	All industry b/	104	107	111	115	119	121	124	125	120	2.3	2-4

a/ Annual growth rate 1982-1990.

b/ Excluding publishing.

DENMARK

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from Danmarks Statistik, Copenhagen. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards. The estimates relate to Denmark exclusive of the Faeroe Islands and Greenland.

The data presented in the tables are principally obtained from the results of three separate industrial inquiries conducted annually by Danmarks Statistik. These relate to employment, accounts and investments. The employment inquiry, which includes information on earnings and hours worked, covers establishments with 6 or more employees. The accounts inquiry covers enterprises with 20 or more employees and collects detailed profit and loss statistics. The investments inquiry covers enterprises with 20 or more employees; based on the results obtained from this inquiry, estimates are made to cover industrial establishments with 6 or more employees. Excluded from the annual inquiries are production of crude petroleum and natural gas, metal ore mining, water works and supply and for manufacturing, casing factories, periodical publishing, manual industries such as bakeries, tailoring and basket work.

The estimates are compiled according to the national classification which follows the present version of ISIC.

The total number of persons engaged comprises employees, proprietors (whether working or not) and unpaid family members. Homeworkers and persons working less than 15 hours a week are not included in the employment numbers or hours worked, but payments to these workers are included in data on wages and salaries. Apprentices are included in the category of operatives. The employment numbers are measured as annual averages for employees, based on enumerations in four months of the year (March, June, September and November) and the numbers at 30 November for proprietors and unpaid family workers.

Wages and salaries include regular payments, overtime pay, holiday allowances and sick pay. The estimates of supplements to wages and salaries are based on enterprise statistics. Included are the employers' expenditures on social security and other pension schemes, staff insurances, vocational training and all other compulsory or voluntary social expenses for the benefit of the staff.

The estimates of electricity consumed are derived from the results of special investigations into energy consumption in industry. The inquiry covers establishments with 20 or more employees, which account for about 87 per cent of the total number of industrial employees.

The estimates of output comprise the value of sales of own products, payments received for contract, repair and installation work done for others, the value of goods shipped in the same condition as received, receipts from other sources and the value of production of plant and equipment for own use. Adjustments are made for stock changes in the value of finished goods and work in progress. Output is valued exclusive of the value-added tax and any other taxes or duties on turnover.

Value added is the value of output as defined above less the cost of purchases of raw materials, semi-manufactures, auxiliary materials and packing; fuel and power purchased; contract work performed by others; and goods shipped in the same condition as received. Adjustments are made for changes in the value of stocks of materials, fuels and supplies and goods to be sold in the same condition as received. No deduction is made for the cost of repair and maintenance work done by others. Input is valued exclusive of the value-added tax but including other taxes and duties.

The estimates of gross fixed capital formation relate to the current value of purchases and own-account construction of fixed assets less the value of corresponding sales. Valuation is exclusive of the value-added tax.

The indices of industrial production are compiled by Danmarks Statistik and provided in response to the United Nations Questionnaire on Indices of Industrial Production. The indices cover, in principle, manufacturing enterprises with 6 or more operatives and all electricity and gas undertakings.

Related national publications:

Industristatistik (annual); Regnskabsstatistik for industrien (annual); Statistisk Arbog (Statistical Yearbook); Statistisk Tiars-oversigt (Statistical Ten-Year Survey) (annual); Statistiske Efterretninger (Statistical News) (irregular - selected issues), all published by Danmarks Statistik, Copenhagen.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas	.	.	.	.	...	.	.	.	.	...	220
230	Metal ore mining	.	.	.	.	...	.	.	.	.	...	230
290	Other mining	78	76	85	84	...	1.2	1.3	1.3	1.3	...	290
2	Mining, quarrying .	78	76	85	84	...	1.2	1.3	1.3	1.3	...	2
311/2	Food products	797	766	734	716	...	67.8	67.0	64.6	63.2	...	311/2
313	Beverages	46	45	43	39	...	9.1	8.7	8.1	7.1	...	313
314	Tobacco	15	13	13	13	...	2.2	2.1	1.9	1.9	...	314
321	Textiles	394	397	370	351	...	15.6	15.4	14.4	14.0	...	321
3211	Spinning,weaving etc..	68	68	64	62	...	4.7	4.7	4.5	4.2	...	3211
322	Wearing apparel	329	310	288	262	...	11.9	10.7	9.2	8.4	...	322
323	Leather and products ...	27	28	21	20	...	1.0	0.9	0.7	0.7	...	323
324	Footwear	31	26	24	25	...	1.9	1.5	1.3	1.2	...	324
331	Wood products	320	309	296	311	...	10.9	10.7	10.5	10.9	...	331
332	Furniture, fixtures	486	481	460	455	...	15.9	15.0	14.5	15.2	...	332
341	Paper and products	122	125	126	124	...	9.4	9.6	9.6	9.8	...	341
3411	Pulp,paper etc.	10	10	11	11	...	1.9	1.9	2.0	2.1	. .	3411
342	Printing,publishing	774	776	789	786	...	27.0	27.7	27.4	26.7	. .	342
351	Industrial chemicals ...	135	127	133	140	...	12.4	12.6	12.3	12.4	...	351
3511	Basic excl fertilizers	33	33	37	41	...	5.7	6.2	6.0	6.2	...	3511
3513	Synthetic resins etc .	95	88	89	92	...	5.5	5.2	5.2	5.2	...	3513
352	Other chemical products.	163	159	160	161	...	13.4	13.7	13.8	14.3	...	352
3522	Drugs and medicines ..	44	45	46	49	...	7.3	7.9	8.0	8.3	...	3522
353	Petroleum refineries ...	3	3	3	3	...	0.6	0.6	0.6	0.6	...	353
354	Petroleum,coal products.	73	71	72	71	...	1.3	1.3	1.5	1.4	...	354
355	Rubber products	53	54	54	52	...	2.6	2.6	2.7	2.7	...	355
356	Plastic products n.e.c..	261	262	249	255	...	10.3	11.0	10.7	10.9	...	356
361	Pottery,china etc	23	20	19	16	...	2.2	2.0	1.8	1.8	...	361
362	Glass and products	40	41	40	38	...	2.6	2.5	2.3	2.4	...	362
369	Non-metal products n.e.c	350	350	356	348	...	14.4	14.5	13.9	13.4	...	369
371	Iron and steel	37	40	37	39	...	4.3	4.0	4.0	4.1	...	371
372	Non-ferrous metals	40	39	36	35	...	2.0	1.7	1.5	1.7	...	372
381	Metal products	867	878	900	898	...	38.7	37.8	37.9	38.3	...	381
382	Machinery n.e.c.	995	980	990	979	...	64.2	61.5	60.4	61.7	...	382
3825	Office,computing etc..	31	36	39	40	...	2.6	2.6	2.2	2.3	...	3825
383	Electrical machinery ...	312	319	302	301	...	28.2	27.4	25.8	25.5	...	383
3832	Radio,television etc..	121	120	115	109	...	13.8	13.6	12.6	12.4	...	3832
384	Transport equipment	305	321	316	305	...	25.5	22.9	22.1	21.9	...	384
3841	Shipbuilding, repair..	167	163	155	147	...	18.1	15.1	14.1	13.9	...	3841
3843	Motor vehicles	114	132	129	125	...	5.5	5.9	5.9	5.8	...	3843
385	Professional goods	155	160	168	167	...	12.3	12.4	12.6	12.8	...	385
390	Other industries	132	138	139	139	...	6.7	6.7	6.5	6.7	...	390
3	Manufacturing	7287	7238	7138	7049	...	414.4	404.5	392.6	391.7	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	...	.	.	.	.	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 6 or more employees.

DENMARK

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/b/ (MILLION KRONER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas	.	.	.	.	...	.	.	.	.	...	220
230	Metal ore mining	.	.	.	.	...	.	.	.	.	...	230
290	Other mining	1.2	1.3	1.3	1.3	...	214	232	253	259	...	290
2	Mining, quarrying .	1.2	1.3	1.3	1.3	...	214	232	253	259	...	2
311/2	Food products	67.7	66.9	64.5	63.1	...	10405	11120	11489	11746	...	311/2
313	Beverages	9.1	8.7	8.1	7.1	...	1707	1689	1692	1554	...	313
314	Tobacco	2.2	2.1	1.9	1.9	...	324	332	323	335	...	314
321	Textiles	15.5	15.3	14.3	13.9	...	2183	2302	2303	2356	...	321
3211	Spinning,weaving etc..	4.7	4.7	4.5	4.2	...	710	745	755	756	...	3211
322	Wearing apparel	11.8	10.6	9.1	8.3	...	1393	1309	1191	1159	...	322
323	Leather and products ...	1.0	0.9	0.7	0.7	...	135	130	111	104	...	323
324	Footwear	1.9	1.5	1.3	1.2	...	248	222	197	186	...	324
331	Wood products	10.8	10.6	10.4	10.9	...	1613	1696	1765	1901	...	331
332	Furniture, fixtures	15.8	14.9	14.4	15.1	...	2204	2222	2278	2463	...	332
341	Paper and products	9.4	9.6	9.6	9.7	...	1641	1747	1859	1966	...	341
3411	Pulp,paper etc.	1.9	1.9	2.0	2.1	...	345	365	391	430	...	3411
342	Printing,publishing	26.7	27.5	27.2	26.5	...	5362	5919	6264	6288	...	342
351	Industrial chemicals ...	12.4	12.6	12.3	12.4	...	2273	2537	2622	2790	...	351
3511	Basic excl fertilizers	5.7	6.2	6.0	6.2	...	1089	1318	1338	1459	...	3511
3513	Synthetic resins etc .	5.5	5.2	5.2	5.2	...	939	984	1042	1096	...	3513
352	Other chemical products.	13.3	13.7	13.8	14.3	...	2485	2739	2916	3133	...	352
3522	Drugs and medicines ..	7.3	7.9	8.0	8.3	...	1423	1612	1748	1918	...	3522
353	Petroleum refineries ...	0.6	0.6	0.6	0.6	...	129	145	162	166	...	353
354	Petroleum,coal products.	1.3	1.3	1.5	1.4	...	227	256	296	289	...	354
355	Rubber products	2.6	2.6	2.6	2.7	...	399	429	448	490	...	355
356	Plastic products n.e.c..	10.3	10.9	10.6	10.8	...	1631	1863	1894	2008	...	356
361	Pottery,china etc	2.2	2.0	1.8	1.8	...	326	322	316	324	...	361
362	Glass and products	2.6	2.5	2 3	2.4	...	389	406	413	430	...	362
369	Non-metal products n.e.c	14.4	14.5	13.9	13.4	...	2410	2673	2691	2704	...	369
371	Iron and steel	4.3	4.0	4.0	4.1	...	678	696	727	780	...	371
372	Non-ferrous metals	2.0	1.7	1.5	1.7	...	304	276	257	300	...	372
381	Metal products	38.5	37.6	37.8	38.2	...	6145	6410	6791	7097	...	381
382	Machinery n.e.c.	64.0	61.4	60.3	61.5	...	10595	10771	11223	11912	...	382
3825	Office,computing etc..	2.6	2.6	2.2	2.3	...	557	603	524	605	...	3825
383	Electrical machinery ...	28.2	27.4	25.7	25.5	...	4680	4867	4880	4933	...	383
3832	Radio,television etc..	13.8	13.5	12.6	12.4	...	2263	2401	2372	2352	...	3832
384	Transport equipment	25.4	22.8	22.0	21.8	...	4215	3932	4125	4215	...	384
3841	Shipbuilding, repair..	18.1	15.0	14.0	13.9	...	3109	2671	2759	2823	...	3841
3843	Motor vehicles	5.5	5.9	5.9	5.7	...	831	953	1002	1001	...	3843
385	Professional goods	12.3	12.4	12.6	12.8	...	2088	2276	2461	2546	...	385
390	Other industries	6.7	6.7	6.5	6.7	...	987	1083	1106	1184	...	390
3	Manufacturing	413.0	403.3	391.3	390.5	...	67176	70369	72800	75359	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	...	.	.	.	.	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 6 or more employees.

b/ Including payments to homeworkers.

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES b/ (MILLION KRONER)					6. AVERAGE NUMBER OF OPERATIVES a/ (THOUSANDS)					ISIC
		1986	1987	1988 c/	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	...	210
220	Petroleum and gas	.	.	.	.	.	.	.	.	.	...	220
230	Metal ore mining	.	.	.	.	.	.	.	.	.	...	230
290	Other mining	5.3	8.5	6.6	5.7	5.9	0.9	0.9	0.9	0.9	...	290
2	Mining, quarrying .	5.3	8.5	6.6	5.7	5.9	0.9	0.9	0.9	0.9	...	2
311/2	Food products	505.2	565.8	391.8	352.3	357.5	53.5	52.6	50.5	49.1	...	311/2
313	Beverages	203.2	209.2	177.8	148.6	146.3	6.5	6.1	5.4	4.6	...	313
314	Tobacco	26.2	30.0	23.3	13.0	15.2	1.7	1.6	1.4	1.4	...	314
321	Textiles	94.6	103.3	79.4	51.9	53.9	11.8	11.4	10.5	10.2	...	321
3211	Spinning,weaving etc..	31.4	34.5	24.9	14.2	15.5	3.5	3.5	3.3	3.1	...	3211
322	Wearing apparel	55.2	60.3	34.9	23.0	23.2	9.6	8.5	7.2	6.6	...	322
323	Leather and products ...	4.1	4.7	2.4	2.5	1.8	0.7	0.7	0.5	0.5	...	323
324	Footwear	8.6	8.3	3.3	2.8	2.5	1.5	1.1	0.9	0.8	...	324
331	Wood products	57.9	73.7	46.0	37.8	38.7	8.5	8.2	8.0	8.4	...	331
332	Furniture, fixtures	76.8	83.5	56.4	40.4	40.7	12.7	11.8	11.3	12.0	...	332
341	Paper and products	85.1	98.2	85.1	72.0	70.6	6.9	7.1	7.0	7.1	...	341
3411	Pulp,paper etc.	19.7	20.1	19.9	12.1	16.9	1.5	1.5	1.6	1.6	...	3411
342	Printing,publishing	240.9	277.1	266.2	269.5	290.2	15.6	15.8	15.4	14.9	...	342
351	Industrial chemicals ...	152.4	169.1	107.7	87.3	81.7	7.3	7.2	7.1	7.1	...	351
3511	Basic excl fertilizers	...	...	...	...	...	2.8	2.8	2.8	2.9	...	3511
3513	Synthetic resins etc .	44.7	48.6	29.6	30.0	31.0	3.9	3.6	3.6	3.5	...	3513
352	Other chemical products.	147.3	185.4	151.6	164.0	171.3	5.2	5.3	5.2	5.3	...	352
3522	Drugs and medicines ..	95.1	122.3	99.9	113.8	120.4	2.8	3.0	3.0	3.0	...	3522
353	Petroleum refineries ...	3.4	2.4	2.3	0.6	0.7	0.1	0.1	0.1	0.1	...	353
354	Petroleum,coal products.	9.7	14.8	4.2	5.4	4.7	0.7	0.7	0.9	0.8	...	354
355	Rubber products	16.8	22.7	12.3	12.0	12.0	1.8	1.8	1.9	2.0	...	355
356	Plastic products n.e.c..	49.9	69.5	42.7	40.4	48.2	7.2	7.6	7.4	7.5	...	356
361	Pottery,china etc	35.5	39.6	19.3	10.3	15.2	1.7	1.5	1.4	1.4	...	361
362	Glass and products	7.5	9.6	6.1	7.3	8.7	2.0	1.9	1.8	1.9	...	362
369	Non-metal products n.e.c	119.6	141.9	107.0	102.1	99.2	10.4	10.2	9.6	9.1	...	369
371	Iron and steel	25.3	30.7	15.9	20.8	20.5	3.4	3.1	3.1	3.2	...	371
372	Non-ferrous metals	14.7	14.9	8.0	6.9	7.3	1.5	1.3	1.2	1.3	...	372
381	Metal products	189.7	247.1	159.1	136.0	147.2	28.5	27.6	27.5	27.7	...	381
382	Machinery n.e.c.	365.9	403.5	269.5	186.9	200.8	42.5	40.2	39.7	40.4	...	382
3825	Office,computing etc..	...	...	...	...	...	0.6	0.7	0.6	0.6	...	3825
383	Electrical machinery ...	202.5	240.3	153.8	110.7	100.1	17.1	16.4	15.2	15.1	...	383
3832	Radio,television etc..	88.0	105.8	66.2	41.7	33.3	8.2	7.9	7.1	7.2	...	3832
384	Transport equipment	181.6	171.6	95.1	75.3	84.8	19.2	17.1	16.5	16.4	...	384
3841	Shipbuilding, repair..	141.0	120.4	59.0	46.1	58.1	13.7	11.3	10.6	10.5	...	3841
3843	Motor vehicles	...	...	...	...	...	4.2	4.5	4.4	4.3	...	3843
385	Professional goods	59.1	84.3	45.1	26.8	32.8	6.6	6.5	6.5	6.8	...	385
390	Other industries	33.4	39.3	24.3	20.2	24.1	4.7	4.6	4.4	4.5	...	390
3	Manufacturing	2971.8	3400.7	2390.3	2026.8	2099.9	288.9	278.0	267.6	266.2	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	...	.	.	.	.	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 6 or more employees. b/ Enterprises with 20 or more employees.
c/ Data compiled according to new booking procedures of enterprises.

DENMARK

ISIC	INDUSTRY	7. WAGES AND SALARIES OF OPERATIVES a/b/ (MILLION KRONER)					8. HOURS WORKED BY OPERATIVES a/ (MILLIONS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas	.	.	.	.	...	.	.	.	.	...	220
230	Metal ore mining	.	.	.	.	...	.	.	.	.	...	230
290	Other mining	147	156	171	171	...	1.7	1.7	1.7	1.7	...	290
2	Mining, quarrying .	147	156	171	171	...	1.7	1.7	1.7	1.7	...	2
311/2	Food products	7646	8145	8375	8444	...	85.1	82.8	79.0	76.6	...	311/2
313	Beverages	1100	1061	1033	902	...	10.5	9.5	8.7	7.4	...	313
314	Tobacco	222	226	208	216	...	2.7	2.5	2.2	2.2	...	314
321	Textiles	1466	1522	1473	1504	...	18.6	17.9	16.3	15.7	...	321
3211	Spinning,weaving etc..	476	496	492	496	...	5.7	5.6	5.2	4.9	...	3211
322	Wearing apparel	1012	933	832	809	...	14.1	12.0	10.3	9.4	...	322
323	Leather and products ...	89	83	70	64	...	1.1	1.0	0.8	0.7	...	323
324	Footwear	179	150	122	113	...	2.4	1.8	1.4	1.3	...	324
331	Wood products	1176	1212	1250	1342	...	14.3	13.5	13.2	13.4	...	331
332	Furniture, fixtures	1622	1615	1647	1791	...	22.1	19.3	18.5	19.2	...	332
341	Paper and products	1139	1210	1267	1322	...	11.5	11.3	11.1	11.1	...	341
3411	Pulp,paper etc.	253	269	285	314	...	2.6	2.5	2.6	2.6	...	3411
342	Printing,publishing	3006	3266	3412	3367	...	25.9	25.7	25.1	23.9	...	342
351	Industrial chemicals ...	1163	1238	1310	1362	...	12.3	11.9	11.6	11.6	...	351
3511	Basic excl fertilizers	442	485	526	567	...	4.5	4.6	4.6	4.7	...	3511
3513	Synthetic resins etc .	600	625	648	667	...	6.4	6.0	5.8	5.7	...	3513
352	Other chemical products.	779	827	853	907	...	8.7	8.4	8.2	8.3	...	352
3522	Drugs and medicines ..	439	473	491	526	...	4.6	4.6	4.5	4.6	...	3522
353	Petroleum refineries ...	6	7	25	26	...	0.1	0.1	0.2	0.2	...	353
354	Petroleum,coal products.	119	130	158	146	...	1.4	1.4	1.6	1.4	...	354
355	Rubber products	256	275	274	318	...	3.0	2.9	2.8	3.0	...	355
356	Plastic products n.e.c..	1006	1133	1139	1208	...	11.9	12.2	11.7	11.7	...	356
361	Pottery,china etc	232	226	224	233	...	2.7	2.3	2.1	2.2	...	361
362	Glass and products	279	292	302	315	...	3.2	3.2	3.0	3.0	...	362
369	Non-metal products n.e.c	1604	1712	1694	1679	...	17.8	17.2	16.1	15.1	...	369
371	Iron and steel	483	492	518	559	...	5.6	5.2	5.2	5.2	...	371
372	Non-ferrous metals	207	183	179	205	...	2.5	2.0	1.9	2.1	...	372
381	Metal products	4124	4239	4457	4608	...	48.4	45.8	45.7	45.2	...	381
382	Machinery n.e.c.	6127	6052	6372	6719	...	72.8	66.9	66.2	66.4	...	382
3825	Office,computing etc..	87	91	91	96	...	1.1	1.1	1.0	1.0	...	3825
383	Electrical machinery ...	2314	2362	2313	2343	...	28.3	26.6	24.7	24.1	...	383
3832	Radio,television etc..	1073	1106	1037	1047	...	13.3	12.8	11.5	11.3	...	3832
384	Transport equipment	2901	2674	2817	2867	...	32.3	27.9	27.5	26.7	...	384
3841	Shipbuilding, repair..	2143	1817	1890	1939	...	23.1	18.4	17.7	17.3	...	3841
3843	Motor vehicles	579	664	691	677	...	7.0	7.4	7.3	6.9	...	3843
385	Professional goods	867	899	956	1025	...	10.7	10.2	10.2	10.5	...	385
390	Other industries	611	657	662	704	...	7.3	7.1	6.8	6.9	...	390
3	Manufacturing	41735	42821	43942	45098	...	477.3	448.6	432.1	424.5	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	...	.	.	.	.	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 6 or more employees.

b/ Including payments to homeworkers.

ISIC	INDUSTRY	9. QUANTITY OF ELECTRICITY CONSUMED (MILLION KWH) a/					10. OUTPUT IN FACTOR VALUES b/ (BILLION KRONER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	-	...	...	-	-	-	-	-	210
220	Petroleum and gas	...	...	.	...	...	.	.	.	.	.	220
230	Metal ore mining	...	...	.	...	...	.	.	.	.	.	230
290	Other mining	...	...	46	...	48	0.69	0.81	0.81	0.82	0.77	290
2	Mining, quarrying .	...	...	46	...	48	0.69	0.81	0.81	0.82	0.77	2
311/2	Food products	...	...	1448	...	1602	85.88	84.85	88.61	95.31	97.26	311/2
313	Beverages	...	...	185	...	183	7.04	7.18	7.52	7.54	7.79	313
314	Tobacco	...	...	23	...	25	2.30	2.37	2.46	2.58	2.23	314
321	Textiles	...	...	181	...	194	8.32	8.44	8.81	8.70	8.15	321
3211	Spinning,weaving etc..	...	...	116	...	121	2.76	2.72	2.58	2.61	2.20	3211
322	Wearing apparel	...	...	21	...	19	4.17	3.66	3.31	3.19	3.29	322
323	Leather and products ...	...	...	5	...	4	0.45	0.40	0.37	0.41	0.20	323
324	Footwear	...	...	8	...	8	0.99	1.02	0.92	1.06	1.20	324
331	Wood products	...	...	218	...	240	5.58	5.74	6.03	6.41	6.50	331
332	Furniture, fixtures	...	...	125	...	156	6.81	6.56	6.44	7.20	7.91	332
341	Paper and products	...	...	386	...	408	6.97	7.00	7.63	8.36	8.41	341
3411	Pulp,paper etc.	...	...	267	...	281	1.88	1.77	1.96	2.23	2.12	3411
342	Printing,publishing	...	...	142	...	159	12.67	13.72	14.41	14.53	15.15	342
351	Industrial chemicals ...	...	...	755	...	689	11.56	11.46	12.82	13.40	13.44	351
3511	Basic excl fertilizers	...	...	412	...	354	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	208	...	203	4.61	4.52	4.97	5.27	5.35	3513
352	Other chemical products.	...	...	201	...	260	12.13	12.82	14.14	15.82	16.16	352
3522	Drugs and medicines ..	...	...	155	...	203	6.73	7.24	8.20	9.30	9.63	3522
353	Petroleum refineries ...	...	...	238	...	249	5.38	5.30	7.62	7.93	9.15	353
354	Petroleum,coal products.	...	...	45	...	67	2.94	1.78	2.39	2.15	2.18	354
355	Rubber products	...	...	53	...	57	1.18	1.17	1.26	1.36	1.32	355
356	Plastic products n.e.c..	...	...	248	...	272	5.15	5.69	6.23	6.61	7.18	356
361	Pottery,china etc	...	...	14	...	11	0.50	0.44	0.56	0.46	0.50	361
362	Glass and products	...	...	55	...	68	1.19	1.23	1.14	1.32	1.32	362
369	Non-metal products n.e.c	...	...	490	...	533	9.79	9.76	9.57	9.87	9.82	369
371	Iron and steel	...	...	624	...	616	2.86	2.76	3.18	3.88	3.75	371
372	Non-ferrous metals	...	...	47	...	42	1.39	1.06	0.91	1.02	1.13	372
381	Metal products	...	...	351	...	409	19.56	18.72	20.06	21.68	22.53	381
382	Machinery n.e.c.	...	...	413	...	451	29.06	28.10	30.84	33.78	35.45	382
3825	Office,computing etc..	...	...	16	...	11	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	196	...	191	13.99	14.38	14.40	15.13	16.23	383
3832	Radio,television etc..	...	...	71	...	74	6.91	7.26	6.53	7.05	7.96	3832
384	Transport equipment	...	...	197	...	202	14.18	12.62	13.28	13.95	16.13	384
3841	Shipbuilding, repair..	...	...	145	...	148	10.41	8.70	8.90	9.47	11.26	3841
3843	Motor vehicles	...	...	37	...	38	...	...	...	...	...	3843
385	Professional goods	...	...	52	...	61	5.35	5.29	6.08	6.53	6.45	385
390	Other industries	...	...	62	...	78	3.90	3.98	4.28	4.83	5.19	390
3	Manufacturing	...	...	6783	...	7256	281.29	277.48	295.27	314.98	326.02	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	.	.	.	.	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 20 or more employees.
b/ Kind-of-activity units of enterprises with 20 or more employees.

DENMARK

ISIC	INDUSTRY	11. VALUE ADDED IN FACTOR VALUES a/ (BILLION KRONER)					12. GROSS FIXED CAPITAL FORMATION TOTAL b/ (MILLION KRONER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	.	.	.	.	.	.	.	.	.	.	220
230	Metal ore mining	.	.	.	.	.	.	.	.	.	.	230
290	Other mining	0.51	0.61	0.61	0.63	0.58	131	100	136	78	72	290
2	Mining, quarrying .	0.51	0.61	0.61	0.63	0.58	131	100	136	78	72	2
311/2	Food products	21.50	22.24	23.65	25.13	25.20	2835	2797	3207	2786	2688	311/2
313	Beverages	4.17	4.28	4.43	4.52	4.68	323	492	506	608	385	313
314	Tobacco	1.14	1.23	1.46	1.63	1.26	72	84	104	81	138	314
321	Textiles	3.63	3.87	4.08	3.93	3.78	514	450	434	535	372	321
3211	Spinning,weaving etc..	1.27	1.33	1.28	1.21	1.08	214	162	167	212	126	3211
322	Wearing apparel	2.01	1.80	1.64	1.60	1.60	150	190	122	124	133	322
323	Leather and products ...	0.19	0.17	0.15	0.16	0.08	19	19	7	6	-1	323
324	Footwear	0.40	0.39	0.33	0.35	0.40	51	10	5	13	28	324
331	Wood products	2.48	2.64	2.75	2.89	3.00	487	418	391	411	543	331
332	Furniture, fixtures	3.46	3.43	3.40	3.71	3.97	604	418	420	383	382	332
341	Paper and products	3.12	3.35	3.65	3.88	3.89	514	577	602	510	494	341
3411	Pulp,paper etc.	0.81	0.86	0.95	1.01	0.91	116	178	178	173	169	3411
342	Printing,publishing	8.19	8.85	9.37	9.54	9.85	1196	1131	1013	728	591	342
351	Industrial chemicals ...	5.23	5.54	6.16	6.55	6.85	1112	1123	1384	932	992	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	2.05	2.07	2.15	2.18	2.38	404	442	417	244	222	3513
352	Other chemical products.	6.69	7.31	8.03	8.92	9.51	916	827	823	978	1060	352
3522	Drugs and medicines ..	4.25	4.67	5.25	5.94	6.50	697	619	611	779	930	3522
353	Petroleum refineries ...	0.41	0.88	0.63	1.16	0.73	159	87	177	382	181	353
354	Petroleum,coal products.	0.96	0.73	1.16	1.25	1.28	141	93	155	372	157	354
355	Rubber products	0.62	0.64	0.70	0.75	0.76	104	74	67	67	44	355
356	Plastic products n.e.c..	2.77	3.11	3.36	3.55	3.93	557	568	510	463	518	356
361	Pottery,china etc	0.41	0.29	0.39	0.40	0.44	11	5	9	32	1	361
362	Glass and products	0.66	0.72	0.60	0.68	0.70	45	75	146	40	172	362
369	Non-metal products n.e.c	5.70	5.89	5.80	5.90	5.82	1218	1366	1122	674	788	369
371	Iron and steel	1.37	1.41	1.54	1.68	1.74	161	109	87	137	204	371
372	Non-ferrous metals	0.48	0.44	0.40	0.45	0.45	39	53	62	49	36	372
381	Metal products	9.46	9.69	10.19	10.82	11.37	1257	1276	1090	1120	1262	381
382	Machinery n.e.c.	15.49	15.45	16.74	17.68	18.88	2050	1585	1433	1566	1891	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	7.34	7.70	7.48	7.80	8.16	864	627	640	689	607	383
3832	Radio,television etc..	3.51	3.75	3.30	3.61	3.87	474	364	324	291	392	3832
384	Transport equipment	5.64	5.57	5.76	6.11	6.98	481	406	501	322	528	384
3841	Shipbuilding, repair..	4.14	3.88	3.79	4.21	4.89	181	145	247	155	354	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	3.29	3.35	3.85	4.02	3.85	332	338	231	268	202	385
390	Other industries	2.08	2.27	2.55	2.84	3.03	263	274	215	193	325	390
3	Manufacturing	118.89	123.26	130.25	137.89	142.21	16475	15472	15463	14467	14722	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	...	.	.	.	.	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Kind-of-activity units of enterprises with 20 or more employees.
b/ Establishments with 6 or more employees.

ISIC	INDUSTRY	13. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/ (MILLION KRONER)					14. VALUE OF STOCKS AT END OF PERIOD TOTAL b/ (MILLION KRONER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	.	.	.	.	.	.	.	.	.	.	220
230	Metal ore mining	.	.	.	.	.	.	.	.	.	.	230
290	Other mining	117	81	98	56	57	55	67	89	89	100	290
2	Mining, quarrying .	117	81	98	56	57	55	67	89	89	100	2
311/2	Food products	2070	1921	2128	1969	2027	7343	7334	7444	8289	8551	311/2
313	Beverages	271	353	391	457	307	624	618	624	672	627	313
314	Tobacco	59	61	66	66	101	1738	1583	1469	1621	1556	314
321	Textiles	358	347	367	420	268	1567	1636	1747	1757	1612	321
3211	Spinning,weaving etc..	160	123	136	173	99	499	500	496	510	374	3211
322	Wearing apparel	110	86	68	72	66	819	789	769	725	686	322
323	Leather and products ...	18	11	6	5	-1	108	83	98	101	43	323
324	Footwear	37	8	6	12	25	198	146	150	176	176	324
331	Wood products	324	291	239	296	345	970	970	1037	1153	1124	331
332	Furniture, fixtures	350	271	245	234	217	1314	1335	1295	1376	1494	332
341	Paper and products	411	459	481	371	436	832	826	902	997	1017	341
3411	Pulp,paper etc.	100	136	151	139	140	221	211	225	277	315	3411
342	Printing,publishing	997	806	623	531	570	635	638	686	723	740	342
351	Industrial chemicals ...	878	853	890	759	814	1832	1758	1979	2067	2098	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	333	348	284	227	189	607	609	672	690	728	3513
352	Other chemical products.	577	586	546	675	671	2270	2248	2426	2601	2366	352
3522	Drugs and medicines ..	441	417	392	484	508	1437	1423	1533	1605	1430	3522
353	Petroleum refineries ...	140	73	151	365	170	884	628	1190	1178	1325	353
354	Petroleum,coal products.	124	88	126	331	128	268	175	238	218	243	354
355	Rubber products	82	57	60	62	63	237	247	218	242	239	355
356	Plastic products n.e.c..	440	411	408	363	386	697	793	850	869	957	356
361	Pottery,china etc	8	4	7	25	7	186	141	173	154	162	361
362	Glass and products	41	58	120	49	167	132	153	131	170	167	362
369	Non-metal products n.e.c	894	1096	892	550	603	1151	1148	1162	1231	1233	369
371	Iron and steel	126	83	76	103	143	372	326	372	496	435	371
372	Non-ferrous metals	33	49	50	42	28	201	156	150	200	125	372
381	Metal products	891	936	741	823	821	3830	3441	3901	4280	4191	381
382	Machinery n.e.c.	1436	1159	1105	1204	1306	6848	6142	6378	6765	7094	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	663	489	531	589	522	3144	3140	2991	3200	3447	383
3832	Radio,television etc..	377	309	276	298	322	1602	1608	1311	1404	1689	3832
384	Transport equipment	345	296	342	273	373	3217	3117	3430	3702	3767	384
3841	Shipbuilding, repair..	183	130	146	150	251	2393	2242	2540	2368	2611	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	240	235	167	199	168	1335	1253	1249	1440	1410	385
390	Other industries	191	180	150	149	287	652	604	646	669	757	390
3	Manufacturing	12114	11267	10981	10996	11019	43404	41428	43705	47072	47641	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	...	.	.	.	.	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 6 or more employees.
b/ Kind-of-activity units of enterprises with 20 or more employees.

DENMARK

15. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	75	80	90	98	123	109	111	118	103	0.4	290
2	Mining, quarrying .	84	89	100	110	138	122	124	132	116	1.9	2
311/2	Food products	108	112	116	120	126	123	126	126	130	3.3	311/2
313	Beverages	106	96	102	102	105	104	110	106	109	1.1	313
314	Tobacco	106	103	108	109	112	111	107	109	108	1.0	314
321	Textiles	103	107	117	116	117	116	111	113	106	0.7	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	97	99	112	119	115	102	87	81	81	-2.6	322
323	Leather and products ...	116	106	95	88	88	77	65	68	58	-6.6	323
324	Footwear	127	110	115	110	107	118	93	94	105	0.6	324
331	Wood products	96	108	122	121	138	152	144	136	131	3.4	331
332	Furniture, fixtures	114	127	159	158	159	153	152	156	155	5.6	332
341	Paper and products	104	112	122	120	122	121	127	131	133	3.6	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	103	108	118	123	137	131	136	131	132	3.5	342
351	Industrial chemicals ...	113	120	124	126	138	140	139	136	133	3.6	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	113	116	122	134	138	133	138	149	156	5.7	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	79	85	104	99	96	100	100	100	93	-0.9	353
354	Petroleum,coal products.	89	108	114	106	124	134	148	106	105	0.6	354
355	Rubber products	96	82	97	94	92	99	104	108	127	3.0	355
356	Plastic products n.e.c..	110	114	123	131	146	153	182	185	180	7.6	356
361	Pottery,china etc	[79	77	76	71	74	71	71	68	68	-4.7]	361
362	Glass and products											362
369	Non-metal products n.e.c	75	85	96	101	119	106	104	106	105	0.6	369
371	Iron and steel ..... b/	[84	80	101	97	93	87	91	103	96	-0.5]	371
372	Non-ferrous metals											372
381	Metal products	95	102	128	146	174	168	160	176	175	7.2	381
382	Machinery n.e.c. ..... b/	98	101	111	115	119	109	120	125	126	2.9	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	98	104	119	132	150	152	147	151	147	4.9	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	110	102	95	104	101	85	84	87	98	-0.3	384
3841	Shipbuilding, repair..	106	105	95	104	98	79	78	78	88	-1.6	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	120	120	142	151	163	162	174	178	174	7.2	385
390	Other industries	136	141	154	136	156	139	152	165	171	6.9	390
3	Manufacturing	102	106	117	122	131	127	129	133	133	3.6	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	88	81	83	107	113	108	103	83	103	0.4	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry c/d/	103	106	116	121	129	125	127	130	131	3.4	2-4

a/ Annual growth rate 1982-1990.
b/ Iron foundries are included in major group 382.
c/ Excluding ship building and repairing.
d/ Excluding gas, steam, water works and supply.

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The information in the tables, except for the production indices, is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Instituto Nacional de Estadística y Censos (INEC), Quito.

The data are derived from the Annual Surveys of Manufacturing and Mining, taken by INEC. The Survey covers establishments with 10 or more persons engaged on the date of the enumeration. Survey questionnaires are sent by mail or delivered directly followed by field visits where necessary. Response rate is 90 per cent approximately. No adjustment has been made for non-response, which is mainly attributed to establishments that have been liquidated or that do not satisfy the above requisite concerning employment size.

The data are classified according to the present version of the ISIC. The concepts and definitions used are generally in accordance with the United Nations standards, although the following points should be noted:

All employment data refer to the last pay period of November of the reference year;

Output refers to gross output and value added refers to total value added. They are reported at producers' prices.

The index numbers of industrial production are compiled by the Banco Central del Ecuador and are provided in response to the United Nations Questionnaire on Indices of Industrial Production.

Related national publication:

Encuesta Anual de Manufactura y Minería (annual), published by the Instituto Nacional de Estadística y Censos, Quito.

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ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS b/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/b/ (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas	4	4	4	4	...	1546	1631	1696	1774	...	220
230	Metal ore mining	12	15	13	15	...	390	392	422	652	...	230
290	Other mining	12	14	14	14	...	361	435	410	318	...	290
2	Mining, quarrying .	28	33	31	33	...	2297	2458	2528	2744	...	2
311/2	Food products	302	328	320	315	...	24109	27789	27398	28243	...	311/2
313	Beverages	62	68	66	70	...	5594	6415	6859	6486	...	313
314	Tobacco	4	3	2	2	...	1119	1123	887	757	...	314
321	Textiles	151	158	158	151	...	14723	14094	14410	14114	...	321
3211	Spinning,weaving etc..	65	69	70	68	...	10540	9872	10065	9880	...	3211
322	Wearing apparel	73	79	84	89	...	3382	3409	3561	3526	...	322
323	Leather and products ...	21	26	25	26	...	937	1022	1033	1038	...	323
324	Footwear	13	17	17	20	...	1149	1373	1440	1752	...	324
331	Wood products	56	55	54	57	...	3184	3281	3409	3283	...	331
332	Furniture, fixtures	63	64	59	58	...	3047	3415	3304	3247	...	332
341	Paper and products	28	27	26	26	...	3153	3440	3590	3642	...	341
3411	Pulp,paper etc.	8	8	8	9	...	1704	1874	1888	1961	...	3411
342	Printing,publishing	85	86	87	90	...	3719	3760	3843	4113	...	342
351	Industrial chemicals ...	38	42	44	44	...	1737	1860	1835	1843	...	351
3511	Basic excl fertilizers	19	18	19	19	...	521	515	572	552	...	3511
3513	Synthetic resins etc .	12	17	19	19	...	571	685	770	795	...	3513
352	Other chemical products.	82	83	82	80	...	5712	5714	5880	6231	...	352
3522	Drugs and medicines ..	29	29	30	30	...	2610	2577	2736	2829	...	3522
353	Petroleum refineries ...	4	4	4	4	...	1349	1488	1498	1567	...	353
354	Petroleum,coal products.	4	7	7	5	...	139	183	218	181	...	354
355	Rubber products	22	19	19	19	...	1637	1553	1484	1563	...	355
356	Plastic products n.e.c..	68	77	80	82	...	4806	5194	5170	5378	...	356
361	Pottery,china etc	9	11	12	11	...	863	1007	1176	1270	...	361
362	Glass and products	13	14	13	11	...	581	683	697	654	...	362
369	Non-metal products n.e.c	75	82	77	76	...	4919	5223	5201	4834	...	369
371	Iron and steel	12	14	14	13	...	1399	1598	1665	1723	...	371
372	Non-ferrous metals	4	4	4	4	...	299	298	295	295	...	372
381	Metal products	150	146	138	133	...	6584	6586	6268	6260	...	381
382	Machinery n.e.c.	22	25	22	17	...	726	746	648	674	...	382
3825	Office,computing etc.. c/	...	...	...	-	...	...	...	...	...	...	3825
383	Electrical machinery ...	45	45	49	52	...	4396	4079	4444	4417	...	383
3832	Radio,television etc..	12	12	13	13	...	944	940	965	1049	...	3832
384	Transport equipment	29	39	40	35	...	1604	1966	2088	2001	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	57	...	3841
3843	Motor vehicles	27	36	37	31	...	1558	1884	2020	1887	...	3843
385	Professional goods	9	11	12	12	...	484	553	587	589	...	385
390	Other industries	23	23	22	21	...	685	682	689	672	...	390
3	Manufacturing	1467	1557	1537	1523	...	102036	108534	109577	110353	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ In the last pay period in November of the year indicated. b/ Establishments with 10 or more persons engaged.
c/ Disclosure prohibited.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/b/ (NUMBER)					4. WAGES AND SALARIES OF EMPLOYEES b/ (MILLION SUCRES)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas	1546	1631	1696	1774	...	7490	7566	8638	17204	...	220
230	Metal ore mining	270	277	301	471	...	79	113	239	477	...	230
290	Other mining	324	415	340	248	...	124	172	198	232	...	290
2	Mining, quarrying .	2140	2323	2337	2493	...	7693	7851	9075	17913	...	2
311/2	Food products	24050	27708	27340	28197	...	11608	16080	24626	36000	...	311/2
313	Beverages	5582	6400	6849	6472	...	2139	3205	4811	6207	...	313
314	Tobacco	1119	1123	887	757	...	984	1364	1857	1972	...	314
321	Textiles	14678	14029	14346	14063	...	5652	6865	10589	15379	...	321
3211	Spinning,weaving etc..	10536	9866	10056	9872	...	4319	5253	8031	11743	...	3211
322	Wearing apparel	3357	3376	3515	3456	...	795	1030	1482	2210	...	322
323	Leather and products ...	928	1012	1022	1026	...	251	331	464	770	...	323
324	Footwear	1145	1370	1432	1738	...	404	528	828	1476	...	324
331	Wood products	3150	3251	3372	3244	...	1080	1444	2229	3217	...	331
332	Furniture, fixtures	3033	3397	3287	3224	...	954	1305	1865	3026	...	332
341	Paper and products	3150	3437	3589	3641	...	1463	2148	3397	4989	...	341
3411	Pulp,paper etc.	1704	1874	1888	1961	...	688	1004	1671	2335	...	3411
342	Printing,publishing	3694	3734	3827	4096	...	2102	2543	3733	6153	...	342
351	Industrial chemicals ...	1736	1860	1831	1840	...	967	1415	2350	3718	...	351
3511	Basic excl fertilizers	520	515	572	552	...	319	424	978	1532	...	3511
3513	Synthetic resins etc .	571	685	766	792	...	301	487	832	1461	...	3513
352	Other chemical products.	5703	5708	5869	6224	...	3871	4993	7633	12000	...	352
3522	Drugs and medicines ..	2607	2574	2733	2825	...	2073	2453	3844	6515	...	3522
353	Petroleum refineries ...	1349	1488	1498	1567	...	1401	1974	3013	4153	...	353
354	Petroleum,coal products.	139	183	218	181	...	299	360	742	977	...	354
355	Rubber products	1633	1550	1479	1558	...	1195	1353	2015	3618	...	355
356	Plastic products n.e.c..	4803	5189	5168	5374	...	2002	2564	3889	6072	...	356
361	Pottery,china etc	863	1003	1174	1268	...	406	531	913	1319	...	361
362	Glass and products	577	681	695	653	...	394	649	893	1412	...	362
369	Non-metal products n.e.c	4884	5161	5137	4795	...	3129	4137	6928	9979	...	369
371	Iron and steel	1398	1596	1663	1721	...	1081	1296	2293	3350	...	371
372	Non-ferrous metals	299	298	295	295	...	279	284	547	618	...	372
381	Metal products	6560	6560	6233	6238	...	3097	3886	6209	9338	...	381
382	Machinery n.e.c.	724	736	646	674	...	304	340	448	923	...	382
3825	Office,computing etc.. c/	...	...	...	...	...	-	-	-	-	...	3825
383	Electrical machinery ...	4390	4079	4434	4417	...	2131	2431	3906	5750	...	383
3832	Radio,television etc..	944	940	965	1049	...	321	377	542	809	...	3832
384	Transport equipment	1593	1958	2079	1993	...	743	1061	1774	2848	...	384
3841	Shipbuilding, repair..	...	...	...	57	...	-	-	-	37	...	3841
3843	Motor vehicles	1547	1876	2011	1879	...	731	1037	1736	2766	...	3843
385	Professional goods	484	553	581	583	...	338	441	724	813	...	385
390	Other industries	681	675	679	662	...	245	306	479	638	...	390
3	Manufacturing	101702	108115	109145	109957	...	49314	64864	100637	148925	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ In the last pay period in November of the year indicated. b/ Establishments with 10 or more persons engaged.
c/ Disclosure prohibited.

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ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES a/ (MILLION SUCRES)					6. AVERAGE NUMBER OF OPERATIVES a/b/ (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas	142	147	249	605	...	576	573	630	632	...	220
230	Metal ore mining	-	2	4	2	...	265	243	254	427	...	230
290	Other mining	7	10	11	12	...	264	341	277	190	...	290
2	Mining, quarrying .	149	159	264	619	...	1105	1157	1161	1249	...	2
311/2	Food products	578	794	1179	1768	...	17880	21118	20064	21386	...	311/2
313	Beverages	118	164	240	357	...	3365	4022	4090	3523	...	313
314	Tobacco	47	53	69	90	...	917	997	761	401	...	314
321	Textiles	286	376	526	857	...	12213	11567	11832	11835	...	321
3211	Spinning,weaving etc..	217	288	401	665	...	8742	8128	8277	8330	...	3211
322	Wearing apparel	44	54	77	119	...	2656	2700	2768	2758	...	322
323	Leather and products ...	15	19	26	45	...	699	776	799	824	...	323
324	Footwear	21	29	40	83	...	877	1040	1132	1333	...	324
331	Wood products	60	76	109	175	...	2608	2764	2884	2804	...	331
332	Furniture, fixtures	56	82	119	196	...	2289	2596	2651	2434	...	332
341	Paper and products	79	114	162	257	...	2197	2331	2498	2521	...	341
3411	Pulp,paper etc.	38	54	77	118	...	1119	1158	1189	1239	...	3411
342	Printing,publishing	115	129	185	319	...	2058	1976	1925	2150	...	342
351	Industrial chemicals ...	47	68	101	165	...	960	988	948	1018	...	351
3511	Basic excl fertilizers	14	17	34	62	...	275	262	259	257	...	3511
3513	Synthetic resins etc .	15	24	39	71	...	340	394	459	482	...	3513
352	Other chemical products.	207	269	367	635	...	2998	2745	2903	3161	...	352
3522	Drugs and medicines ..	116	141	197	359	...	1311	1249	1336	1392	...	3522
353	Petroleum refineries ...	65	90	132	180	...	941	738	708	1074	...	353
354	Petroleum,coal products.	7	11	16	26	...	71	101	112	101	...	354
355	Rubber products	58	48	93	148	...	1127	1090	1011	1062	...	355
356	Plastic products n.e.c..	107	145	203	344	...	3753	3986	3985	4110	...	356
361	Pottery,china etc	16	27	40	77	...	684	787	934	970	...	361
362	Glass and products	18	24	34	61	...	416	513	519	454	...	362
369	Non-metal products n.e.c	150	186	290	415	...	3817	3804	3758	3404	...	369
371	Iron and steel	40	56	77	128	...	1061	1149	1244	1288	...	371
372	Non-ferrous metals	9	11	14	25	...	203	200	204	222	...	372
381	Metal products	160	199	269	439	...	4927	4892	4483	4544	...	381
382	Machinery n.e.c.	18	20	26	42	...	478	463	427	435	...	382
3825	Office,computing etc.. c/	-	-	-	-	...	...	...	...	...	...	3825
383	Electrical machinery ...	110	120	176	285	...	2877	2843	2890	2806	...	383
3832	Radio,television etc..	18	21	32	50	...	666	643	593	712	...	3832
384	Transport equipment	39	54	83	135	...	1198	1494	1589	1483	...	384
3841	Shipbuilding, repair..	-	-	-	2	...	...	...	...	35	...	3841
3843	Motor vehicles	38	53	81	131	...	1162	1434	1543	1408	...	3843
385	Professional goods	14	20	27	39	...	258	308	331	326	...	385
390	Other industries	13	16	22	32	...	531	533	542	550	...	390
3	Manufacturing	2497	3254	4702	7442	...	74059	78521	77992	78977	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 10 or more persons engaged.
b/ In the last pay period in November of the year indicated.
c/ Disclosure prohibited.

ISIC	INDUSTRY	7. OUTPUT IN PRODUCERS' PRICES a/ (BILLION SUCRES)					8. VALUE ADDED IN PRODUCERS' PRICES a/ (MILLION SUCRES)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas	144	130	279	558	...	127717	115682	242584	483080	...	220
230	Metal ore mining	1	1	2	2	...	380	296	889	923	...	230
290	Other mining	1	1	1	2	...	273	425	528	865	...	290
2	Mining, quarrying .	145	131	282	562	...	128370	116403	244001	484868	...	2
311/2	Food products	142	200	355	575	...	31156	47868	94726	129457	...	311/2
313	Beverages	16	22	35	58	...	5446	7877	11504	18750	...	313
314	Tobacco	11	14	21	41	...	2668	1385	3779	3532	...	314
321	Textiles	35	43	81	128	...	15883	18309	30180	48163	...	321
3211	Spinning,weaving etc..	28	34	63	100	...	12741	14808	22387	37174	...	3211
322	Wearing apparel	4	5	9	17	...	1365	1643	3189	6257	...	322
323	Leather and products ...	2	3	4	9	...	576	826	1164	3727	...	323
324	Footwear	2	5	5	9	...	808	2923	1586	2728	...	324
331	Wood products	6	10	15	23	...	2057	4328	5909	7653	...	331
332	Furniture, fixtures	4	6	9	16	...	1982	2833	3352	6106	...	332
341	Paper and products	19	28	52	96	...	4363	6316	9212	19557	...	341
3411	Pulp,paper etc.	6	9	14	30	...	2294	3685	4386	8673	...	3411
342	Printing,publishing	11	15	27	41	...	4474	5159	9341	13296	...	342
351	Industrial chemicals ...	12	16	30	40	...	3948	4721	9166	11707	...	351
3511	Basic excl fertilizers	4	5	12	15	...	1172	1967	4335	4701	...	3511
3513	Synthetic resins etc .	4	5	11	18	...	1655	1739	3738	6040	...	3513
352	Other chemical products.	27	37	63	118	...	8062	9893	16026	39032	...	352
3522	Drugs and medicines ..	10	12	21	36	...	2950	3362	4691	10746	...	3522
353	Petroleum refineries ...	28	39	97	131	...	2041	5180	10603	8074	...	353
354	Petroleum,coal products.	4	4	9	13	...	1664	1466	3784	3871	...	354
355	Rubber products	8	10	16	33	...	2399	2738	3232	7429	...	355
356	Plastic products n.e.c..	16	24	47	69	...	5777	7680	12608	18127	...	356
361	Pottery,china etc	2	3	7	9	...	1280	1321	3006	3734	...	361
362	Glass and products	3	4	7	12	...	1458	2050	3319	4446	...	362
369	Non-metal products n.e.c	22	29	49	71	...	10156	12570	21616	28896	...	369
371	Iron and steel	14	16	37	61	...	4555	3663	6353	10107	...	371
372	Non-ferrous metals	3	4	8	12	...	946	1058	1833	1663	...	372
381	Metal products	20	27	51	74	...	7488	9407	15777	21916	...	381
382	Machinery n.e.c.	1	2	3	4	...	528	522	1203	1473	...	382
3825	Office,computing etc.. b/	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	18	21	40	57	...	6602	8055	14811	16729	...	383
3832	Radio,television etc..	4	4	6	9	...	1134	1139	1890	2257	...	3832
384	Transport equipment	12	21	43	73	...	2496	2731	5467	8889	...	384
3841	Shipbuilding, repair..	...	...	...	1	...	...	...	...	59	...	3841
3843	Motor vehicles	12	21	42	72	...	2484	2689	5348	8687	...	3843
385	Professional goods	2	9	6	7	...	964	6399	2062	1828	...	385
390	Other industries	1	2	4	5	...	421	736	1565	1822	...	390
3	Manufacturing	446	619	1127	1802	...	131564	179657	306373	448969	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 10 or more persons engaged.

b/ Disclosure prohibited.

ECUADOR

ISIC	INDUSTRY	9. GROSS FIXED CAPITAL FORMATION TOTAL a/ (MILLION SUCRES)					10. VALUE OF STOCKS AT END OF PERIOD TOTAL a/ (MILLION SUCRES)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas	11307	15760	8571	11600	...	2835	2798	6020	6192	...	220
230	Metal ore mining	44	330	54	246	...	-	14	16	46	...	230
290	Other mining	148	326	150	100	...	136	164	169	238	...	290
2	Mining, quarrying .	11499	16416	8775	11946	...	2971	2976	6205	6476	...	2
311/2	Food products	11635	12000	37246	54593	...	24379	29831	51556	81369	...	311/2
313	Beverages	2345	4467	5805	8472	...	3664	5828	9310	14108	...	313
314	Tobacco	803	1017	1602	3378	...	1808	2335	4506	7629	...	314
321	Textiles	6912	7337	18751	23575	...	14002	18234	31044	47181	...	321
3211	Spinning,weaving etc..	5289	5654	15164	18353	...	11258	14709	25499	38277	...	3211
322	Wearing apparel	270	502	881	3420	...	1495	1919	2567	4992	...	322
323	Leather and products ...	323	589	738	1927	...	890	1364	1955	3440	...	323
324	Footwear	320	294	596	1367	...	605	772	1243	2690	...	324
331	Wood products	963	945	2394	3193	...	1452	1753	2859	5335	...	331
332	Furniture, fixtures	814	1036	2636	1478	...	1743	2352	3999	4875	...	332
341	Paper and products	1781	3263	7543	8789	...	4372	7205	13144	19294	...	341
3411	Pulp,paper etc.	315	486	1429	2863	...	1229	1573	2786	4747	...	3411
342	Printing,publishing	1399	3337	4146	3238	...	1905	3669	6725	8493	...	342
351	Industrial chemicals ...	1063	1947	2898	4623	...	2522	3907	5882	9392	...	351
3511	Basic excl fertilizers	475	478	1103	1909	...	910	1237	1877	3573	...	3511
3513	Synthetic resins etc .	508	953	1246	1657	...	715	1373	2184	3245	...	3513
352	Other chemical products.	4912	6206	7657	15774	...	10074	14557	20120	32600	...	352
3522	Drugs and medicines ..	2351	1707	1992	6745	...	4745	5548	6963	12366	...	3522
353	Petroleum refineries ...	1831	31406	4209	4601	...	2895	6427	9034	13640	...	353
354	Petroleum,coal products.	457	704	996	2540	...	621	1013	1820	3531	...	354
355	Rubber products	756	1954	2556	5528	...	2153	3508	5639	10410	...	355
356	Plastic products n.e.c..	4839	6196	10212	10973	...	5556	9987	17450	26020	...	356
361	Pottery,china etc	824	963	1924	2799	...	784	1378	2360	4211	...	361
362	Glass and products	314	943	1110	2005	...	692	1131	1813	3153	...	362
369	Non-metal products n.e.c	5070	4533	9825	12633	...	6243	7440	14895	22906	...	369
371	Iron and steel	1182	1110	8659	10663	...	2955	4075	12091	22102	...	371
372	Non-ferrous metals	128	907	1234	2781	...	816	1436	2235	4652	...	372
381	Metal products	3336	3143	10323	12300	...	7960	8974	16630	25870	...	381
382	Machinery n.e.c.	275	293	521	787	...	761	1035	1329	2048	...	382
3825	Office,computing etc.. b/	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	2124	4147	8351	7964	...	4753	6533	10987	17085	...	383
3832	Radio,television etc..	491	259	1165	1691	...	1144	1326	2304	3835	...	3832
384	Transport equipment	2216	1461	6594	4214	...	3328	4440	10163	13244	...	384
3841	Shipbuilding, repair..	...	...	...	61	...	...	...	...	99	...	3841
3843	Motor vehicles	2126	1348	6440	3958	...	3118	4176	9762	12921	...	3843
385	Professional goods	312	369	395	1009	...	591	820	1084	2069	...	385
390	Other industries	232	281	369	713	...	634	755	878	1470	...	390
3	Manufacturing	57435	101350	160171	215337	...	109651	152678	263320	413809	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 10 or more persons engaged.

b/ Disclosure prohibited.

11. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	89	85	92	97	100	105	104	107	113	1.5	311/2
313	Beverages	96	98	94	91	92	89	99	99	104	0.5	313
314	Tobacco	126	86	93	104	99	91	81	81	76	-3.4	314
321	Textiles	107	105	94	98	95	91	94	96	100	0.0	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	107	105	94	98	95	91	94	96	100	0.0	323
324	Footwear	105	107	107	112	104	106	107	109	110	1.2	324
331	Wood products	112	116	122	126	140	148	148	153	172	7.0	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	89	60	65	72	84	87	89	98	106	0.7	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	115	123	138	143	163	181	204	236	260	12.7	342
351	Industrial chemicals ...	115	105	125	132	131	126	126	125	134	3.7	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	114	105	125	132	131	126	126	125	134	3.7	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	98	99	108	117	126	128	134	130	132	3.5	353
354	Petroleum,coal products.	98	99	108	117	126	128	134	130	151	5.3	354
355	Rubber products	124	125	137	148	159	162	170	164	191	8.4	355
356	Plastic products n.e.c..	124	125	136	148	159	162	170	164	191	8.4	356
361	Pottery,china etc	112	107	113	118	119	143	163	148	158	5.9	361
362	Glass and products	112	107	113	118	119	143	163	148	158	5.9	362
369	Non-metal products n.e.c	142	130	153	175	168	172	172	148	150	5.2	369
371	Iron and steel	149	159	187	150	142	129	146	129	132	3.5	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	111	105	113	122	135	137	144	144	150	5.2	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	92	82	81	101	111	127	133	121	132	3.5	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	146	155	164	197	226	167	220	369	395	18.7	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	109	76	81	79	77	66	71	117	163	6.3	390
3	Manufacturing	105	101	107	113	117	120	126	131	...	3.0 b/	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Annual growth rate 1982-1990.

b/ Annual growth rate 1980-1989.

The information in the tables, except for the indices, is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Central Agency for Public Mobilisation and Statistics (CAPMAS), Cairo.

The data are derived from the survey of industrial production carried out by CAPMAS. The data on mining, quarrying and manufacturing are published in the Bulletin of Annual Industrial Production Statistics, and the data on electricity in the Bulletin of Electricity Production Statistics. The inquiry is conducted by field interview. The data cover all establishments in the public sector and establishments with 10 or more persons engaged in the private sector. It should be noted that the value added data are based on the reply to the United Nations Supplementary Questionnaire in which data are only supplied at the four-digit levels of the ISIC and are aggregated to the one- and three-digit levels.

The data are based on the national classification scheme, which follows the preceding version of the ISIC. They have been adjusted by the national statistical authority to represent the present version as far as details permit. The concepts and definitions used are generally in accordance with the United Nations standards, although the following points should be noted:

Reference year is the fiscal year from 1 July of the year indicated to 30 June of the following year.

Output refers to gross output.

Value added is net of depreciation.

Valuation of both output and value added is in factor values.

The indices of industrial production are compiled by the Central Agency for Public Mobilisation and Statistics and provided in response to the United Nations Questionnaire on Indexes of Industrial Production. In principle, the indices cover all industrial establishments.

Related national publications:

Statistics of Industrial Production (irregular); Basic Statistics/Statistiques de Base (irregular); Statistical Handbook (annual), all published by the Central Agency for Public Mobilisation and Statistics, Cairo.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	...	...	-	-	-	...	...	210
220	Petroleum and gas	11	10	10	...	...	8.4	8.6	8.7	...	...	220
230	Metal ore mining	3	1	1	...	...	1.0	0.9	0.9	...	...	230
290	Other mining	24	25	23	...	...	11.3	13.9	14.2	...	...	290
2	Mining, quarrying .	38	36	34	...	...	20.6	23.4	23.7	...	...	2
311/2	Food products	2562	3166	3309	...	...	153.9	177.5	179.2	...	...	311/2
313	Beverages	46	50	47	...	...	18.5	21.6	22.1	...	...	313
314	Tobacco	23	26	29	...	...	17.2	16.6	17.0	...	...	314
321	Textiles	722	915	916	...	...	271.9	274.1	270.2	...	...	321
3211	Spinning,weaving etc..	451	557	571	...	...	237.8	238.7	228.6	...	...	3211
322	Wearing apparel	138	304	350	...	...	10.5	13.4	16.5	...	...	322
323	Leather and products ...	42	67	49	...	...	3.6	4.0	3.5	...	...	323
324	Footwear	61	110	94	...	...	8.0	9.8	9.8	...	...	324
331	Wood products	78	106	101	...	...	6.9	9.6	7.9	...	...	331
332	Furniture, fixtures	76	114	109	...	...	5.5	8.8	8.8	...	...	332
341	Paper and products	58	92	86	...	...	13.3	14.7	14.7	...	...	341
3411	Pulp,paper etc.	15	25	33	...	...	8.3	8.9	9.1	...	...	3411
342	Printing,publishing	140	152	149	...	...	21.2	20.6	22.5	...	...	342
351	Industrial chemicals ...	45	39	39	...	...	44.3	42.3	40.0	...	...	351
3511	Basic excl fertilizers	23	20	21	...	...	16.6	15.8	16.3	...	...	3511
3513	Synthetic resins etc .	11	10	5	...	...	10.7	12.3	9.5	...	...	3513
352	Other chemical products.	119	158	155	...	...	41.7	49.2	48.8	...	...	352
3522	Drugs and medicines ..	14	15	16	...	...	18.5	20.0	19.8	...	...	3522
353	Petroleum refineries ...	4	5	6	...	...	12.1	12.2	15.6	...	...	353
354	Petroleum,coal products.	11	11	13	...	...	6.4	6.5	6.6	...	...	354
355	Rubber products	16	28	31	...	...	6.2	6.4	6.5	...	...	355
356	Plastic products n.e.c..	101	180	206	...	...	15.2	16.2	17.1	...	...	356
361	Pottery,china etc	20	14	23	...	...	8.0	6.2	8.4	...	...	361
362	Glass and products	50	72	76	...	...	11.8	13.8	14.2	...	...	362
369	Non-metal products n.e.c	567	364	366	...	...	41.3	40.6	41.9	...	...	369
371	Iron and steel	65	78	91	...	...	47.3	44.9	45.9	...	...	371
372	Non-ferrous metals	15	20	28	...	...	32.7	26.7	26.7	...	...	372
381	Metal products	323	421	427	...	...	35.0	41.4	37.4	...	...	381
382	Machinery n.e.c.	95	126	150	...	...	22.3	31.5	38.4	...	...	382
3825	Office,computing etc..	1	2	4	...	...	-	-	0.6	...	...	3825
383	Electrical machinery ...	45	59	76	...	...	22.8	27.3	29.1	...	...	383
3832	Radio,television etc..	7	8	8	...	...	8.8	9.4	8.3	...	...	3832
384	Transport equipment	88	104	109	...	...	44.9	52.0	77.2	...	...	384
3841	Shipbuilding, repair..	12	20	17	...	...	13.1	13.3	14.0	...	...	3841
3843	Motor vehicles	74	80	87	...	...	26.2	32.9	56.0	...	...	3843
385	Professional goods	9	13	12	...	...	5.8	7.8	9.1	...	...	385
390	Other industries	25	29	32	...	...	1.6	1.3	2.2	...	...	390
3	Manufacturing	5544	6823	7079	...	...	929.9	997.2	1037.4	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	81	64	66	...	...	58.6	54.8	66.4	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Private establishments with 10 or more persons engaged and all public establishments.

EGYPT

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	...	...	-	-	-	...	...	210
220	Petroleum and gas	8.4	8.6	8.7	...	...	82	90	94	...	...	220
230	Metal ore mining	1.0	0.9	0.9	...	...	4	4	5	...	...	230
290	Other mining	11.3	13.9	14.2	...	...	52	60	59	...	...	290
2	Mining, quarrying	20.6	23.4	23.7	...	...	139	154	158	...	...	2
311/2	Food products	151.2	173.7	175.7	...	...	344	443	491	...	...	311/2
313	Beverages	18.5	21.6	22.1	...	...	48	55	57	...	...	313
314	Tobacco	17.2	16.6	17.0	...	...	53	61	68	...	...	314
321	Textiles	271.1	273.0	269.1	...	...	559	656	749	...	...	321
3211	Spinning,weaving etc.	237.2	238.0	227.9	...	...	483	572	635	...	...	3211
322	Wearing apparel	10.3	13.0	16.0	...	...	14	21	29	...	...	322
323	Leather and products	3.6	3.9	3.4	...	...	8	10	10	...	...	323
324	Footwear	8.0	9.7	9.6	...	...	17	22	24	...	...	324
331	Wood products	6.8	9.4	7.8	...	...	16	26	24	...	...	331
332	Furniture, fixtures	5.4	8.7	8.7	...	...	14	23	27	...	...	332
341	Paper and products	13.2	14.6	14.6	...	...	33	39	44	...	...	341
3411	Pulp,paper etc.	8.3	8.9	9.1	...	...	20	25	28	...	...	3411
342	Printing,publishing	21.0	20.4	22.3	...	...	71	78	101	...	...	342
351	Industrial chemicals	44.3	42.3	39.9	...	...	133	144	156	...	...	351
3511	Basic excl fertilizers	16.6	15.8	16.3	...	...	49	54	61	...	...	3511
3513	Synthetic resins etc	10.7	12.3	9.5	...	...	24	33	32	...	...	3513
352	Other chemical products	41.6	49.0	48.7	...	...	139	170	192	...	...	352
3522	Drugs and medicines	18.5	20.0	19.8	...	...	85	90	109	...	...	3522
353	Petroleum refineries	12.1	12.2	15.6	...	...	63	75	116	...	...	353
354	Petroleum,coal products	6.4	6.5	6.6	...	...	21	25	29	...	...	354
355	Rubber products	6.2	6.4	6.5	...	...	17	20	25	...	...	355
356	Plastic products n.e.c.	15.1	15.9	16.8	...	...	37	46	55	...	...	356
361	Pottery,china etc	8.0	6.2	8.4	...	...	21	14	26	...	...	361
362	Glass and products	11.7	13.7	14.1	...	...	27	38	39	...	...	362
369	Non-metal products n.e.c	40.4	40.1	41.5	...	...	112	134	155	...	...	369
371	Iron and steel	47.2	44.8	45.8	...	...	128	147	179	...	...	371
372	Non-ferrous metals	32.7	26.7	26.6	...	...	87	99	118	...	...	372
381	Metal products	34.5	40.8	36.8	...	...	89	120	119	...	...	381
382	Machinery n.e.c.	22.2	31.4	38.2	...	...	79	120	174	...	...	382
3825	Office,computing etc.	-	-	0.6	...	...	-	-	3	...	...	3825
383	Electrical machinery	22.8	27.1	29.0	...	...	69	98	124	...	...	383
3832	Radio,television etc.	8.8	9.4	8.3	...	...	23	29	30	...	...	3832
384	Transport equipment	44.9	52.0	77.2	...	...	137	169	201	...	...	384
3841	Shipbuilding, repair	13.1	13.3	14.0	...	...	37	39	51	...	...	3841
3843	Motor vehicles	26.2	32.9	56.0	...	...	78	107	117	...	...	3843
385	Professional goods	5.7	7.7	9.1	...	...	13	32	35	...	...	385
390	Other industries	1.6	1.3	2.1	...	...	3	4	6	...	...	390
3	Manufacturing	923.5	988.7	1029.2	...	...	2351	2891	3373	...	...	3
410	Electricity,gas,steam	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	58.6	54.8	66.4	...	...	162	179	232	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Private establishments with 10 or more persons engaged and all public establishments.

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES a/ (THOUSANDS)					6. WAGES AND SALARIES OF OPERATIVES a/ (MILLION POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	...	...	-	-	-	...	...	210
220	Petroleum and gas	4.6	4.4	4.5	...	...	27	28	29	...	...	220
230	Metal ore mining	0.6	0.4	0.4	...	...	3	3	2	...	...	230
290	Other mining	7.6	9.5	10.2	...	...	22	24	27	...	...	290
2	Mining, quarrying .	12.7	14.4	15.1	...	...	52	54	57	...	...	2
311/2	Food products	118.0	135.8	137.5	...	...	196	240	262	...	...	311/2
313	Beverages	11.1	14.2	14.4	...	...	21	28	29	...	...	313
314	Tobacco	14.0	14.1	14.4	...	...	26	29	34	...	...	314
321	Textiles	222.5	219.9	221.8	...	...	352	414	456	...	...	321
3211	Spinning,weaving etc..	196.3	191.9	189.1	...	...	312	368	394	...	...	3211
322	Wearing apparel	9.1	12.0	14.7	...	...	10	15	21	...	...	322
323	Leather and products ...	2.7	2.9	2.8	...	...	4	6	5	...	...	323
324	Footwear	7.0	8.6	8.6	...	...	6	16	17	...	...	324
331	Wood products	5.8	8.0	6.5	...	...	10	14	13	...	...	331
332	Furniture, fixtures	4.7	7.3	7.4	...	...	10	15	18	...	...	332
341	Paper and products	10.6	12.1	12.0	...	...	20	25	26	...	...	341
3411	Pulp,paper etc.	6.7	7.6	7.7	...	...	12	17	18	...	...	3411
342	Printing,publishing	14.7	14.1	16.0	...	...	33	37	47	...	...	342
351	Industrial chemicals ...	30.8	30.8	28.5	...	...	57	69	77	...	...	351
3511	Basic excl fertilizers	9.0	8.6	9.1	...	...	16	22	25	...	...	3511
3513	Synthetic resins etc .	9.1	10.6	8.1	...	...	16	20	20	...	...	3513
352	Other chemical products.	30.0	34.3	35.2	...	...	69	84	89	...	...	352
3522	Drugs and medicines ..	12.5	12.2	13.9	...	...	38	37	47	...	...	3522
353	Petroleum refineries ...	9.1	7.3	10.3	...	...	33	37	59	...	...	353
354	Petroleum,coal products.	4.6	4.8	4.9	...	...	12	13	16	...	...	354
355	Rubber products	4.8	5.0	5.5	...	...	10	12	13	...	...	355
356	Plastic products n.e.c..	11.2	13.3	13.4	...	...	19	27	29	...	...	356
361	Pottery,china etc	6.5	5.3	7.1	...	...	13	8	16	...	...	361
362	Glass and products	9.5	11.4	11.6	...	...	17	22	19	...	...	362
369	Non-metal products n.e.c	33.6	32.6	31.7	...	...	72	75	92	...	...	369
371	Iron and steel	30.8	29.5	30.3	...	...	61	69	86	...	...	371
372	Non-ferrous metals	24.5	18.0	18.1	...	...	40	43	53	...	...	372
381	Metal products	28.2	33.2	29.8	...	...	52	71	68	...	...	381
382	Machinery n.e.c.	17.8	23.0	29.9	...	...	46	64	91	...	...	382
3825	Office,computing etc..	-	-	0.5	...	...	-	-	1	...	...	3825
383	Electrical machinery ...	14.6	17.2	18.9	...	...	30	44	65	...	...	383
3832	Radio,television etc..	4.4	4.1	3.8	...	...	6	9	9	...	...	3832
384	Transport equipment	32.5	37.8	61.0	...	...	69	86	109	...	...	384
3841	Shipbuilding, repair..	10.6	10.9	11.1	...	...	18	22	27	...	...	3841
3843	Motor vehicles	17.1	22.3	44.3	...	...	39	52	67	...	...	3843
385	Professional goods	4.7	5.8	7.1	...	...	8	16	18	...	...	385
390	Other industries	1.3	1.1	1.7	...	...	2	2	4	...	...	390
3	Manufacturing	714.8	759.4	800.8	...	...	1297	1582	1832	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Private establishments with 10 or more persons engaged and all public establishments.

EGYPT

ISIC	INDUSTRY	7. OUTPUT IN FACTOR VALUES a/ (MILLION POUNDS)					8. VALUE ADDED IN FACTOR VALUES a/b/c/ (MILLION POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	...	...	-	-	-	...	...	210
220	Petroleum and gas	1957	2057	1748	...	...	795	990	1275	...	...	220
230	Metal ore mining	12	5	2	...	...	6	d/ -1	6	...	...	230
290	Other mining	140	199	163	...	...	87	83	91	...	...	290
2	Mining, quarrying .	2109	2261	1923	...	...	888	1072	1372	...	...	2
311/2	Food products	3156	3945	5962	...	...	715	426	2007	...	...	311/2
313	Beverages	399	438	524	...	...	158	146	165	...	...	313
314	Tobacco	961	1066	1179	...	...	215	177	321	...	...	314
321	Textiles	2471	3266	4161	...	...	768	888	1405	...	...	321
3211	Spinning,weaving etc..	2140	2719	3359	...	...	704	702	1113	...	...	3211
322	Wearing apparel	96	185	264	...	...	26	28	55	...	...	322
323	Leather and products ...	53	68	72	...	...	20	34	21	...	...	323
324	Footwear	80	124	139	...	...	19	44	45	...	...	324
331	Wood products	62	155	146	...	...	17	74	51	...	...	331
332	Furniture, fixtures	80	117	254	...	...	18	26	126	...	...	332
341	Paper and products	301	432	560	...	...	77	111	108	...	...	341
3411	Pulp,paper etc.	133	221	295	...	...	35	58	53	...	...	3411
342	Printing,publishing	377	329	447	...	...	105	37	132	...	...	342
351	Industrial chemicals ...	730	868	1067	...	...	205	197	285	...	...	351
3511	Basic excl fertilizers	263	280	412	...	...	74	69	95	...	...	3511
3513	Synthetic resins etc .	154	304	262	...	...	49	73	75	...	...	3513
352	Other chemical products.	1180	1659	2302	...	...	268	340	560	...	...	352
3522	Drugs and medicines ..	608	664	882	...	...	160	154	197	...	...	3522
353	Petroleum refineries ...	197	229	356	...	...	96	103	189	...	...	353
354	Petroleum,coal products.	299	329	422	...	...	101	104	102	...	...	354
355	Rubber products	105	133	179	...	...	29	34	38	...	...	355
356	Plastic products n.e.c..	380	546	665	...	...	131	194	168	...	...	356
361	Pottery,china etc	133	82	210	...	...	52	26	69	...	...	361
362	Glass and products	101	193	200	...	...	45	78	66	...	...	362
369	Non-metal products n.e.c	798	1190	1513	...	...	267	413	670	...	...	369
371	Iron and steel	574	903	1638	...	...	71	70	483	...	...	371
372	Non-ferrous metals	599	1051	1614	...	...	206	491	727	...	...	372
381	Metal products	486	824	951	...	...	151	305	360	...	...	381
382	Machinery n.e.c.	523	829	1188	...	...	d/ 65	261	334	...	...	382
3825	Office,computing etc..	-	-	61	...	...	-2	-	3	...	...	3825
383	Electrical machinery ...	615	912	903	...	...	183	357	201	...	...	383
3832	Radio,television etc..	185	347	246	...	...	27	190	75	...	...	3832
384	Transport equipment	694	993	1071	...	...	169	523	321	...	...	384
3841	Shipbuilding, repair..	107	165	156	...	...	49	43	45	...	...	3841
3843	Motor vehicles	456	680	699	...	...	83	439	197	...	...	3843
385	Professional goods	41	149	151	...	...	13	55	68	...	...	385
390	Other industries	33	28	65	...	...	9	5	9	...	...	390
3	Manufacturing	15524	21043	28203	...	...	4199	5547	9086	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Private establishments with 10 or more persons engaged and all public establishments.
b/ Net value added. c/ For source: See country note.
d/ Value added is less than corresponding wages and salaries due to operating losses of some large establishments.

9. GROSS FIXED CAPITAL FORMATION
TOTAL a/
(MILLION POUNDS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	-	-	-	...	...	210
220	Petroleum and gas	32	9	337	...	...	220
230	Metal ore mining	-	-	-	...	...	230
290	Other mining	-4	54	98	...	...	290
2	Mining, quarrying .	28	63	435	...	...	2
311/2	Food products	164	217	196	...	...	311/2
313	Beverages	25	24	5	...	...	313
314	Tobacco	-	31	8	...	...	314
321	Textiles	296	143	205	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	3211
322	Wearing apparel	1	-	1	...	...	322
323	Leather and products ...	2	3	2	...	...	323
324	Footwear	3	2	2	...	...	324
331	Wood products	3	4	1	...	...	331
332	Furniture, fixtures	2	1	2	...	...	332
341	Paper and products	21	55	47	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	6	15	7	...	...	342
351	Industrial chemicals ...	319	142	444	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	76	134	103	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	3522
353	Petroleum refineries ...	193	35	43	...	...	353
354	Petroleum,coal products.	11	25	34	...	...	354
355	Rubber products	6	27	12	...	...	355
356	Plastic products n.e.c..	18	21	-61	...	...	356
361	Pottery,china etc	6	3	6	...	...	361
362	Glass and products	5	5	-1	...	...	362
369	Non-metal products n.e.c	460	764	758	...	...	369
371	Iron and steel	490	127	292	...	...	371
372	Non-ferrous metals	36	274	397	...	...	372
381	Metal products	18	71	148	...	...	381
382	Machinery n.e.c.	-16	16	36	...	...	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ...	30	20	15	...	...	383
3832	Radio,television etc..	...	...	...	...	...	3832
384	Transport equipment	26	59	53	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	3843
385	Professional goods	3	5	42	...	...	385
390	Other industries	1	6	2	...	...	390
3	Manufacturing	2206	2230	2797	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	4
2-4	All Industry	...	...	...	...	...	2-4

a/ Private establishments with 10 or more persons engaged and all public establishments.

10. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	111	115	130	146	142	142	145	140	143	4.6	220
230	Metal ore mining	170	157	111	102	92	98	103	95	98	-0.3	230
290	Other mining	109	134	144	159	190	164	198	206	214	10.0	290
2	Mining, quarrying .	111	115	130	146	142	142	145	141	143	4.6	2
311/2	Food products	133	169	178	216	247	208	202	243	192	8.5	311/2
313	Beverages	107	128	125	159	167	175	172	159	143	4.6	313
314	Tobacco	112	118	151	148	134	147	141	133	126	2.9	314
321	Textiles	131	128	138	145	149	130	108	112	106	0.7	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... b/	92	94	99	97	77	70	97	71	58	-6.6	322
323	Leather and products ...	92	80	60	57	50	47	58	53	59	-6.4	323
324	Footwear ..... b/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	165	228	269	266	255	256	217	196	193	8.6	331
332	Furniture, fixtures	166	218	284	273	260	236	275	270	243	11.7	332
341	Paper and products	46	49	67	73	92	78	94	98	143	4.6	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	78	90	49	51	34	51	42	41	37	-11.7	342
351	Industrial chemicals ... c/	133	145	177	201	175	247	254	228	230	11.0	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	.		..	..	. .	..	...	...	...	...	3513
352	Other chemical products (			..	.	.	...	...	...	...	...	352
3522	Drugs and medicines ..	...	..	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[114	119	120	121	96	92	85	81	85	-2.0]	353
354	Petroleum,coal products.											354
355	Rubber products	104	112	129	162	174	182	201	220	229	10.9	355
356	Plastic products n.e.c.	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	[									]	361
362	Glass and products	86	99	108	117	153	170	206	216	259	12.6	362
369	Non-metal products n.e.c	[									]	369
371	Iron and steel	[90	95	119	134	148	169	169	182	179	7.5]	371
372	Non-ferrous metals											372
381	Metal products	128	152	156	191	189	204	218	208	192	8.5	381
382	Machinery n.e.c.	115	123	123	194	170	209	188	190	199	9.0	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	159	206	251	277	248	234	253	226	198	8.9	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	135	147	140	149	107	99	108	111	74	-3.7	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	190	195	159	179	188	253	224	208	171	6.9	390
3	Manufacturing	119	129	142	152	136	142	143	139	130	3.3	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	121	136	153	185	167	178	198	189	...	e/ 7.3	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry d/	117	125	139	152	139	144	146	142	...	e/ 4.0	2-4

a/ Annual growth rate 1982-1990.
b/ Major group 324 is included in 322.
c/ Major group 352 is included in 351.
d/ Excluding gas and steam.
e/ Annual growth rate 1980-1989.

EQUATORIAL GUINEA

The information in the tables is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Dirección General de Estadística, Ministerio de Planificación y Desarollo Económico, Malabo.

Data for mining relate to prospecting and drilling of oil and natural gas only. For 1987, all data for manufacturing except those for the number of establishments, refer only to responding establishments which represent 28 percent of the actual number of establishments. The concepts, definitions and classification by branches of industry are generally in accordance with the United Nations standards.

EQUATORIAL GUINEA

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	a/ 1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas ..... b/	...	1	...	...	1	...	23	...	...	15	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	1	...	...	...	...	30	290
2	Mining, quarrying..	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	...	15	...	...	17	...	43	...	...	162	311/2
313	Beverages	...	1	...	...	1	...	...	...	...	3	313
314	Tobacco	...	...	...	...	...	...	...	...	...	...	314
321	Textiles	...	...	...	...	...	...	...	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	9	...	...	10	...	3	...	...	19	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	...	...	...	...	...	...	...	...	...	...	331
332	Furniture, fixtures	...	10	...	...	13	...	126	...	...	363	332
341	Paper and products	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	7	...	...	10	...	11	...	...	52	342
351	Industrial chemicals ...	...	...	...	...	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	...	1	...	...	2	...	19	...	...	36	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	...	1	...	...	3	...	...	...	...	61	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	1	...	...	...	...	...	...	...	...	372
381	Metal products	...	...	...	...	3	...	...	...	...	20	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	...	...	...	...	...	...	...	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	1	...	...	2	...	64	...	...	220	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	47	...	...	63	...	289	...	...	819	2-4

a/ Figures refer to 13 responding establishments only, which is about 28% of the total number of establishments.
b/ Activities limited to exploration and prospecting.

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES (THOUSAND CFA FRANCS)					4. AVERAGE NUMBER OF OPERATIVES (NUMBER)					ISIC
		1986	a/ 1987	1988	1989	1990	1986	a/ 1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas ..... b/	...	60787	...	...	14400	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	18000	...	...	...	...	20	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	...	10941	...	...	5670	...	19	...	...	85	311/2
313	Beverages	...	...	...	...	1620	...	...	...	...	...	313
314	Tobacco	...	...	...	...	...	...	...	...	...	...	314
321	Textiles	...	...	...	...	...	...	...	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	240	...	...	3600	...	2	...	...	7	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	...	...	...	...	...	...	...	...	...	...	331
332	Furniture, fixtures	...	34531	...	...	217800	...	112	...	...	200	332
341	Paper and products	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	1860	...	...	222673	...	6	...	...	7	342
351	Industrial chemicals ...	...	...	...	...	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	...	15399	...	...	17280	...	17	...	...	20	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	...	...	...	...	21960	...	...	...	...	50	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	...	...	...	...	6480	...	...	...	...	15	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	...	...	...	...	...	...	...	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	35239	...	...	132000	...	...	...	...	106	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	158997	...	...	661483	...	156	...	...	510	2-4

a/ Figures refer to 13 responding establishments only, which is about 28% of the total number of establishments.
b/ Activities limited to exploration and prospecting.

EQUATORIAL GUINEA

ISIC	INDUSTRY	5. WAGES AND SALARIES OF OPERATIVES (THOUSAND CFA FRANCS)					6. QUANTITY OF ELECTRICITY CONSUMED (KWH)					ISIC
		1986	a/ 1987	1988	1989	1990	1986	a/ 1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas ..... b/	...	...	...	...	...	...	25000	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	12000	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	...	...	...	...	2975	...	30457	...	...	235065	311/2
313	Beverages	...	...	...	...	...	...	...	...	...	19735	313
314	Tobacco	...	...	...	...	...	...	...	...	...	...	314
321	Textiles	...	...	...	...	...	...	...	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	240	...	...	1680	...	327	...	...	16000	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	...	...	...	...	...	...	...	...	...	...	331
332	Furniture, fixtures	...	22865	...	...	120000	...	24058	...	...	54167	332
341	Paper and products	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	1860	...	...	29975	...	5163	...	...	10670	342
351	Industrial chemicals ...	...	...	...	...	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	...	15399	...	...	9600	...	7635	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	13620	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	...	...	...	...	18000	...	...	...	...	4520	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	...	...	...	...	4860	...	...	...	...	8570	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	...	...	...	...	...	...	...	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	63600	...	...	...	...	232800	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	40364	...	...	262690	...	92640	...	...	594174	2-4

a/ Figures refer to 13 responding establishments only, which is about 28% of the total number of establishments.
b/ Activities limited to exploration and prospecting.

7. OUTPUT

(MILLION CFA FRANCS)

ISIC	INDUSTRY	1986	1987 a/	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	290
2	Mining, quarrying	...	...	...	...	...	2
311/2	Food products	...	286	...	...	140	311/2
313	Beverages	...	...	...	...	21	313
314	Tobacco	...	...	...	...	...	314
321	Textiles	...	...	...	...	...	321
3211	Spinning,weaving etc.	...	...	...	...	...	3211
322	Wearing apparel	...	1	...	...	13	322
323	Leather and products	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	324
331	Wood products	...	...	...	...	...	331
332	Furniture, fixtures	...	125	...	...	250	332
341	Paper and products	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	...	4	...	...	6	342
351	Industrial chemicals	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	3513
352	Other chemical products.	...	63	...	...	70	352
3522	Drugs and medicines	...	...	...	...	...	3522
353	Petroleum refineries	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	355
356	Plastic products n.e.c.	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	362
369	Non-metal products n.e.c	...	...	...	...	4	369
371	Iron and steel	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	372
381	Metal products	...	...	...	...	3	381
382	Machinery n.e.c.	...	...	...	...	...	382
3825	Office,computing etc.	...	...	...	...	...	3825
383	Electrical machinery	...	...	...	...	...	383
3832	Radio,television etc.	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	384
3841	Shipbuilding, repair	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	390
3	Manufacturing	...	...	...	...	...	3
410	Electricity,gas,steam	...	...	...	...	...	410
4101	Electricity	...	599	...	...	12469	4101
420	Water works and supply	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	4
2-4	All industry	...	1077	...	...	12976	2-4

a/ Figures refer to 13 responding establishments only, which is about 28% of the total number of establishments.

ETHIOPIA

The information in the tables, except for the production indices, is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Central Statistical Authority, Addis Ababa.

The estimates for manufacturing are derived from the annual survey of manufacturing industry conducted by the Central Statistical Authority. The inquiry is carried out by personal delivery and covers establishments with 10 or more persons engaged and using power driven machines. Data on electricity relate to the Ethiopian Electric Light and Power Authority and Eritrea Region Electric Supply Agency. For manufacturing, data have been adjusted for non-responding establishments.

The estimates in the tables are based on the national classification scheme, which follows the present version of the ISIC. The concepts and definitions are generally in accordance with the United Nations standards.

The reference period is the fiscal year ending 7 July of the year indicated.

The establishment is defined as an entity comprising the whole of the premises under the same ownership or management at a particular address. The number of employees refers to all persons on the pay-roll, whether employed on a full-time or part-time basis. The number of part-time workers has been adjusted to give the equivalent of full-time workers, taking into account the number of months worked.

The value of output represents the sum of (a) value of goods sold, (b) value of industrial services rendered to others, (c) value of goods sold in the same condition as purchased, (d) net change between the beginning and the end of the reference year in the value of finished goods and work in progress, (e) value of electricity sold and (f) value of fixed assets produced during the reference year by the establishment for its own use. Value added is defined as the difference between output and industrial costs (the cost of materials, supplies, fuels and electricity consumed, cost of repair and maintenance, cost of contract and commission work done by others and cost of goods sold in the same condition as purchased). The valuation of output and value added is in producers' prices.

Estimates for gross fixed capital formation relate to additions of new and second-hand assets valued at purchasers' prices. Custom duties, other taxes, transfer fees, delivery and installation costs are included. Also included is the value of work done by the establishment for construction of buildings and structures (including materials used), for installation of machinery and equipment, and for capitalized alterations, improvements or rebuilding.

The Index Numbers of Industrial Production are based on the reply to the United Nations Questionnaire on Indices of Industrial Production from the Central Statistical Authority, Addis Ababa.

Related national publications:

Statistical Abstract (annual) and Results of Annual Survey of Manufacturing Industries, both published by the Central Statistical Authority, Addis Ababa.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying ..	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	125	129	136	...	...	18311	18143	18391	...	...	311/2
313	Beverages	30	30	29	...	...	8283	8766	8888	...	...	313
314	Tobacco	2	2	2	...	...	1017	846	925	...	...	314
321	Textiles	48	51	49	...	...	32471	35972	37462	...	...	321
3211	Spinning,weaving etc..	20	21	19	...	...	26911	30035	31129	...	...	3211
322	Wearing apparel	12	13	11	...	...	3379	3541	3465	...	...	322
323	Leather and products ...	10	10	10	...	...	2957	2967	3143	...	...	323
324	Footwear	16	16	18	...	...	2828	2696	3241	...	...	324
331	Wood products	14	13	14	...	...	1541	1502	1584	...	...	331
332	Furniture, fixtures	17	18	18	...	...	1070	1148	1438	...	...	332
341	Paper and products	7	7	7	...	...	1387	1457	1459	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	22	21	21	...	...	3074	3155	3353	...	...	342
351	Industrial chemicals ...	3	3	3	...	...	266	284	319	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	14	14	13	...	...	2023	2316	2138	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	1	1	1	...	...	1677	1448	1433	...	...	353
354	Petroleum,coal products.	-	-	-	...	...	-	-	-	...	...	354
355	Rubber products	4	4	5	...	...	1667	1805	1912	...	...	355
356	Plastic products n.e.c..	10	10	9	...	...	1434	1533	1673	...	...	356
361	Pottery,china etc	-	-	-	...	...	-	-	-	...	...	361
362	Glass and products	2	2	2	...	...	790	722	675	...	...	362
369	Non-metal products n.e.c	31	31	32	...	...	3766	3617	3878	...	...	369
371	Iron and steel	3	3	3	...	...	786	857	990	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products	25	25	25	...	...	1845	1953	2016	...	...	381
382	Machinery n.e.c.	-	-	-	...	...	-	-	-	...	...	382
3825	Office,computing etc..	-	-	-	...	...	-	-	-	...	...	3825
383	Electrical machinery ...	3	3	3	...	...	97	111	110	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	3	3	3	...	...	472	477	502	...	...	384
3841	Shipbuilding, repair..	-	-	-	...	...	-	-	-	...	...	3841
3843	Motor vehicles	3	3	3	...	...	472	477	502	...	...	3843
385	Professional goods	-	-	-	...	...	-	-	-	...	...	385
390	Other industries	-	-	-	...	...	-	-	-	...	...	390
3	Manufacturing	402	409	414	...	...	91141	95316	98995	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	2	2	2	...	...	8123	8593	9226	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: establishments with 10 or more employees and using power-driven machines.

ETHIOPIA

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/ (NUMBER)					4. WAGES AND SALARIES OF EMPLOYEES a/ (THOUSAND BIRR)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	18216	18052	18298	...	...	47202	50272	54076	...	...	311/2
313	Beverages	8261	8746	8863	...	...	26164	28215	31586	...	...	313
314	Tobacco	1017	846	925	...	...	1478	2970	2845	...	...	314
321	Textiles	32415	35918	37406	...	...	76753	89602	94018	...	...	321
3211	Spinning,weaving etc..	26907	30034	31128	...	...	67049	78582	81371	...	...	3211
322	Wearing apparel	3367	3531	3457	...	...	6480	7461	9021	...	...	322
323	Leather and products ...	2955	2966	3142	...	...	6757	8449	9803	...	...	323
324	Footwear	2816	2684	3215	...	...	6831	8538	9247	...	...	324
331	Wood products	1525	1485	1565	...	...	4763	4789	5351	...	...	331
332	Furniture, fixtures	1056	1135	1429	...	...	3365	3826	4588	...	...	332
341	Paper and products	1383	1453	1453	...	...	4052	4610	4820	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	3060	3139	3333	...	...	9697	11762	12937	...	...	342
351	Industrial chemicals ...	266	284	319	...	...	888	998	1204	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	2017	2311	2133	...	...	6724	7544	7730	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	1677	1448	1433	...	...	14266	14211	15082	...	...	353
354	Petroleum,coal products.	-	-	-	...	...	-	-	-	...	...	354
355	Rubber products	1661	1799	1904	...	...	7509	8579	9110	...	...	355
356	Plastic products n.e.c..	1431	1521	1671	...	...	4009	4674	5653	...	...	356
361	Pottery,china etc	-	-	-	...	...	-	-	-	...	...	361
362	Glass and products	790	722	675	...	...	2501	2309	2385	...	...	362
369	Non-metal products n.e.c	3745	3594	3851	...	...	10957	10527	9415	...	...	369
371	Iron and steel	786	857	990	...	...	3280	3642	4892	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products	1833	1939	2000	...	...	6736	7301	8174	...	...	381
382	Machinery n.e.c.	-	-	-	...	...	-	-	-	...	...	382
3825	Office,computing etc..	-	-	-	...	...	-	-	-	...	...	3825
383	Electrical machinery ...	96	110	109	...	...	414	414	492	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	472	477	502	...	...	3723	4189	4235	...	...	384
3841	Shipbuilding, repair..	-	-	-	...	...	-	-	-	...	...	3841
3843	Motor vehicles	472	477	502	...	...	3723	4189	4235	...	...	3843
385	Professional goods	-	-	-	...	...	-	-	-	...	...	385
390	Other industries	-	-	-	...	...	-	-	-	...	...	390
3	Manufacturing	90845	95017	98673	...	...	254549	284882	306664	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	8123	8593	9226	...	...	24654	28324	31732	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: establishments with 10 or more employees and using power-driven machines.

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES a/ (NUMBER)					6. WAGES AND SALARIES OF OPERATIVES a/ (THOUSAND BIRR)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	12292	12098	12012	...	...	27277	26302	28984	...	...	311/2
313	Beverages	4128	4565	4385	...	...	9832	10532	10617	...	...	313
314	Tobacco	572	458	594	...	...	811	1632	1631	...	...	314
321	Textiles	26700	28690	30352	...	...	53793	61332	62368	...	...	321
3211	Spinning,weaving etc..	21832	23483	24849	...	...	47303	54029	54481	...	...	3211
322	Wearing apparel	2767	2907	2849	...	...	3841	4239	6038	...	...	322
323	Leather and products ...	2002	1896	2222	...	...	3129	4095	4372	...	...	323
324	Footwear	1983	1953	2405	...	...	4152	5245	5813	...	...	324
331	Wood products	1076	1064	1157	...	...	2702	2316	2907	...	...	331
332	Furniture, fixtures	882	921	1174	...	...	2405	2775	3373	...	...	332
341	Paper and products	927	964	928	...	...	1900	2090	2161	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	2271	2283	2382	...	...	6563	7881	8630	...	...	342
351	Industrial chemicals ...	139	143	167	...	...	345	404	522	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	1143	1428	1386	...	...	2288	2682	3328	...	...	352
3522	Drugs and medicines ..	...	..	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	782	521	446	...	...	2272	2444	2191	...	...	353
354	Petroleum,coal products.	-	-	-	...	...	-	-	-	...	...	354
355	Rubber products	1266	1335	1394	...	...	3546	4244	4157	...	...	355
356	Plastic products n.e.c..	1014	1062	1282	...	...	2279	2718	3028	...	...	356
361	Pottery,china etc	-	-	-	...	...	-	-	-	...	...	361
362	Glass and products	526	481	424	...	...	1567	1378	1280	...	...	362
369	Non-metal products n.e.c	2955	2612	2951	...	...	6946	6247	5411	...	...	369
371	Iron and steel	407	495	581	...	...	1544	2020	2330	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products	1274	1385	1389	...	...	3791	3969	3947	...	...	381
382	Machinery n.e.c.	-	-	-	...	...	-	-	-	...	...	382
3825	Office,computing etc..	-	-	-	...	...	-	-	-	...	...	3825
383	Electrical machinery ...	63	75	63	...	...	207	257	210	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	290	252	276	...	...	1690	1947	1882	...	...	384
3841	Shipbuilding, repair..	-	-	-	...	...	-	-	-	...	...	3841
3843	Motor vehicles	290	252	276	...	...	1690	1947	1882	...	...	3843
385	Professional goods	-	-	-	...	...	-	-	-	...	...	385
390	Other industries	-	-	-	...	...	-	-	-	...	...	390
3	Manufacturing	65459	67588	70819	...	...	142880	156724	165180	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	5819	6214	6757	...	...	15031	17029	19031	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: establishments with 10 or more employees and using power-driven machines.

ETHIOPIA

ISIC	INDUSTRY	7. OUTPUT IN PRODUCERS' PRICES b/ (MILLION BIRR)					8. VALUE ADDED IN PRODUCERS' PRICES a/b/ (MILLION BIRR)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	589.0	601.1	634.3	...	...	249.3	260.5	271.2	...	...	311/2
313	Beverages	422.8	466.6	515.7	...	...	296.7	317.9	357.0	...	...	313
314	Tobacco	133.7	164.3	167.0	...	...	94.8	127.7	123.6	...	...	314
321	Textiles	384.9	461.9	469.5	...	...	162.6	210.2	203.1	...	...	321
3211	Spinning,weaving etc..	335.2	395.7	408.2	...	...	144.0	176.3	177.1	...	...	3211
322	Wearing apparel	57.2	63.0	76.0	...	...	20.0	17.7	20.7	...	...	322
323	Leather and products ...	102.0	124.0	166.8	...	...	33.2	51.2	66.7	...	...	323
324	Footwear	48.5	56.9	66.8	...	...	18.8	21.7	22.6	...	...	324
331	Wood products	22.9	25.2	28.6	...	...	14.3	14.4	15.7	...	...	331
332	Furniture, fixtures	19.5	16.6	17.1	...	...	9.6	8.9	10.0	...	...	332
341	Paper and products	49.8	51.1	44.4	...	...	23.3	21.8	13.0	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	59.7	66.2	62.5	...	...	36.7	42.4	38.0	...	...	342
351	Industrial chemicals ...	6.0	6.0	7.2	...	...	3.1	4.0	4.6	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	93.1	125.6	108.3	...	...	42.7	53.7	45.1	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	556.8	576.1	578.5	...	...	165.5	265.3	199.3	...	...	353
354	Petroleum,coal products.	-	-	-	...	...	-	-	-	...	...	354
355	Rubber products	49.6	60.8	62.3	...	...	22.9	26.9	25.6	...	...	355
356	Plastic products n.e.c..	48.2	52.4	51.2	...	...	26.0	26.7	24.0	...	...	356
361	Pottery,china etc	-	-	-	...	...	-	-	-	...	...	361
362	Glass and products	17.6	7.2	8.2	...	...	10.2	2.1	1.5	...	...	362
369	Non-metal products n.e.c	71.6	76.9	88.1	...	...	35.6	32.0	40.4	...	...	369
371	Iron and steel	58.7	73.4	79.9	...	...	12.2	19.7	23.4	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products	47.9	60.1	58.8	...	...	24.6	29.1	25.6	...	...	381
382	Machinery n.e.c.	-	-	-	...	...	-	-	-	...	...	382
3825	Office,computing etc..	-	-	-	...	...	-	-	-	...	...	3825
383	Electrical machinery ...	2.2	2.8	2.7	...	...	1.1	1.5	1.5	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	67.6	71.0	62.9	...	...	22.9	20.2	29.0	...	...	384
3841	Shipbuilding, repair..	-	-	-	...	...	-	-	-	...	...	3841
3843	Motor vehicles	67.6	71.0	62.9	...	...	22.9	20.2	29.0	...	...	3843
385	Professional goods	-	-	-	...	...	-	-	-	...	...	385
390	Other industries	-	-	-	...	...	-	-	-	...	...	390
3	Manufacturing	2909.3	3209.3	3356.8	...	...	1326.1	1575.4	1561.6	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	149.3	209.5	221.6	...	...	75.2	129.2	131.3	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Census value added at market prices.
b/ Manufacturing: establishments with 10 or more employees and using power-driven machines.

9. GROSS FIXED CAPITAL FORMATION
TOTAL a/b/
(MILLION BIRR)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	2
311/2	Food products	12.05	10.00	24.12	...	...	311/2
313	Beverages	12.22	6.45	8.64	...	...	313
314	Tobacco	1.22	0.76	3.65	...	...	314
321	Textiles	6.92	4.73	12.11	...	...	321
3211	Spinning,weaving etc..	6.08	4.00	2.72	...	...	3211
322	Wearing apparel	0.44	1.02	0.67	...	...	322
323	Leather and products ...	3.34	1.98	2.60	...	...	323
324	Footwear	1.20	2.72	1.60	...	...	324
331	Wood products	0.58	1.01	1.59	...	...	331
332	Furniture, fixtures	0.54	0.27	0.17	...	...	332
341	Paper and products	0.78	0.69	0.21	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	0.74	2.26	0.87	...	...	342
351	Industrial chemicals ...	0.48	1.42	0.39	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	1.42	2.29	5.36	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	3522
353	Petroleum refineries ...	13.74	11.97	3.43	...	...	353
354	Petroleum,coal products.	-	-	-	...	...	354
355	Rubber products	0.54	0.38	0.69	...	...	355
356	Plastic products n.e.c..	0.38	1.13	0.83	...	...	356
361	Pottery,china etc	-	-	-	...	...	361
362	Glass and products	0.77	1.59	0.15	...	...	362
369	Non-metal products n.e.c	2.79	2.04	3.00	...	...	369
371	Iron and steel	1.03	1.33	0.88	...	...	371
372	Non-ferrous metals	-	-	-	...	...	372
381	Metal products	3.23	0.62	8.84	...	...	381
382	Machinery n.e.c.	-	-	-	...	...	382
3825	Office,computing etc..	-	-	-	...	...	3825
383	Electrical machinery ...	0.25	0.01	0.02	...	...	383
3832	Radio,television etc..	-	-	-	...	...	3832
384	Transport equipment	0.57	4.13	1.63	...	...	384
3841	Shipbuilding, repair..	-	-	-	...	...	3841
3843	Motor vehicles	0.57	4.13	1.63	...	...	3843
385	Professional goods	-	-	-	...	...	385
390	Other industries	-	-	-	...	...	390
3	Manufacturing	65.23	58.75	81.45	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	241.60	65.50	219.30	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	2-4

a/ The value of sales is not deducted.
b/ Manufacturing: establishments with 10 or more employees and using power-driven machines.

10. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	115	96	113	120	115	115	121	118	...	2.4	311/2
313	Beverages	115	123	189	195	209	208	197	173	...	8.1	313
314	Tobacco	138	148	214	258	258	286	262	238	...	13.2	314
321	Textiles	107	108	108	116	127	135	115	124	...	3.1	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	46	47	114	125	93	97	92	122	...	2.9	322
323	Leather and products ...	114	132	157	181	199	233	274	234	...	12.9	323
324	Footwear	107	122	151	151	186	203	205	173	...	8.1	324
331	Wood products	[124	135	66	69	70	72	74	68	...	-5.4]	331
332	Furniture, fixtures											332
341	Paper and products	112	128	168	178	185	159	151	134	...	4.3	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	122	143	145	157	168	172	173	187	...	9.4	342
351	Industrial chemicals ... b/	146	156	184	156	238	188	152	122	...	2.9	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. b/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... b/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	104	108	138	125	145	142	104	137	...	4.6	355
356	Plastic products n.e.c..	132	152	110	131	119	170	122	183	...	9.0	356
361	Pottery,china etc	[									]	361
362	Glass and products	119	102	205	250	268	319	343	268	...	15.1	362
369	Non-metal products n.e.c											369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products ..... c/	114	121	137	130	139	144	108	92	...	-1.2	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... c/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... c/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	...	...	...	...	...	...	...	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	114	113	136	143	152	157	151	142	...	5.1	2-4

a/ Annual growth rate 1982-1989.
b/ Major groups 352 and 353 are included in 351.
c/ Major groups 383 and 384 are included in 381.

The information in the tables, except for the indices, is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Bureau of Statistics, Suva.

The estimates are derived from the annual Census of Industries, conducted by the Bureau of Statistics. The Census covers all mining and manufacturing establishments in the private sector, irrespective of size, as well as those government enterprises and statutory bodies engaged in the production or distribution of electricity or water. Household industrial units are excluded due to the difficulties involved in identifying these units, with the result that handicraft industries are considerably underestimated.

The inquiry is conducted by mail, followed by personal visits to establishments requiring assistance in completing the questionnaire. Except for Table 1, Number of Establishments, the data in the tables relate only to establishments submitting returns, and do not include estimates for non-response. However, the response rate is quite high. All mining establishments and the utilities submitted returns. For manufacturing, response rates for the years shown here are between 94 and 95 per cent for both employment and gross domestic product originating in that sector.

The data are based on the present version of the national classification scheme, which follows the ISIC but are modified to accommodate national needs. The concepts and definitions used in reporting the data are generally in accordance with the United Nations standards, although the following points should be noted:

Wages and salaries of employees include employers' contributions to social security schemes, the Fiji National Provident Fund, private pension arrangements, health insurance and similar schemes;

Operatives refer to Fijian citizens only;

Wages and salaries of operatives refer to cash payments to Fijian citizens only;

Output refers to gross output and value added refers to total value added. They are valued at producers' prices.

The index numbers of industrial production are compiled by the Bureau of Statistics and provided in response to the United Nations Questionaire on Indices of Industrial Production.

Related national publication:

Census of Industries (annual), published by the Bureau of Statistics, Suva.

FIJI

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	...	...	...	...	-	...	...	...	...	210
220	Petroleum and gas	-	...	...	...	...	-	...	...	...	...	220
230	Metal ore mining	17	...	...	...	...	2295	...	...	...	...	230
290	Other mining	13	...	...	...	...	71	...	...	...	...	290
2	Mining, quarrying .	30	...	...	...	...	2366	...	...	...	...	2
311/2	Food products	140	...	...	...	...	6392	...	...	...	...	311/2
313	Beverages	[18]	...	...	...	...	[547]	...	...	...	...	313
314	Tobacco		...	...	...	...		...	...	...	...	314
321	Textiles ..... b/	194	...	...	...	...	1547	...	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... b/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	[10]	...	...	...	...	[52]	...	...	...	...	323
324	Footwear		...	...	...	...		...	...	...	...	324
331	Wood products	69	...	...	...	...	871	...	...	...	...	331
332	Furniture, fixtures	112	...	...	...	...	825	...	...	...	...	332
341	Paper and products	15	...	...	...	...	262	...	...	...	...	341
3411	Pulp,paper etc.	-	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	58	...	...	...	...	652	...	...	...	...	342
351	Industrial chemicals ...	-	...	...	...	...	-	...	...	...	...	351
3511	Basic excl fertilizers	-	...	...	...	...	-	...	...	...	...	3511
3513	Synthetic resins etc .	-	...	...	...	...	-	...	...	...	...	3513
352	Other chemical products.	26	...	...	...	...	369	...	...	...	...	352
3522	Drugs and medicines ..	-	...	...	...	...	-	...	...	...	...	3522
353	Petroleum refineries ...	-	...	...	...	...	-	...	...	...	...	353
354	Petroleum,coal products.	-	...	...	...	...	-	...	...	...	...	354
355	Rubber products	7	...	...	...	...	119	...	...	...	...	355
356	Plastic products n.e.c..	18	...	...	...	...	166	...	...	...	...	356
361	Pottery,china etc	-	...	...	...	...	-	...	...	...	...	361
362	Glass and products	-	...	...	...	...	-	...	...	...	...	362
369	Non-metal products n.e.c	[28]	...	...	...	...	[447]	...	...	...	...	369
371	Iron and steel		...	...	...	...		...	...	...	...	371
372	Non-ferrous metals		...	...	...	...		...	...	...	...	372
381	Metal products	100	...	...	...	...	688	...	...	...	...	381
382	Machinery n.e.c. ..... c/	51	...	...	...	...	262	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... c/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	17	...	...	...	...	259	...	...	...	...	384
3841	Shipbuilding, repair..	12	...	...	...	...	185	...	...	...	...	3841
3843	Motor vehicles	5	...	...	...	...	74	...	...	...	...	3843
385	Professional goods	-	...	...	...	...	-	...	...	...	...	385
390	Other industries	41	...	...	...	...	164	...	...	...	...	390
3	Manufacturing	904	...	...	...	...	13622	...	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	2	...	...	...	...	1110	...	...	...	...	4
2-4	All industry	936	...	...	...	...	17098	...	...	...	...	2-4

a/ Except for major division 4, private establishments submitting returns only.
b/ Major group 322 is included in 321.
c/ Major group 383 is included in 382.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/ (NUMBER)					4. WAGES AND SALARIES OF EMPLOYEES a/b/ (THOUSAND DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	...	...	...	...	-	...	...	...	...	210
220	Petroleum and gas	-	...	...	...	...	-	...	...	...	...	220
230	Metal ore mining	2295	...	...	...	...	10010	...	...	...	...	230
290	Other mining	64	...	...	...	...	218	...	...	...	...	290
2	Mining, quarrying	2359	...	...	...	...	10228	...	...	...	...	2
311/2	Food products	6346	...	...	...	...	31833	...	...	...	...	311/2
313	Beverages	[541]	...	...	...	...	[3698]	...	...	...	...	313
314	Tobacco		...	...	...	...		...	...	...	...	314
321	Textiles c/	1429	...	...	...	...	3275	...	...	...	...	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel c/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products	[48]	...	...	...	...	[72]	...	...	...	...	323
324	Footwear		...	...	...	...		...	...	...	...	324
331	Wood products	851	...	...	...	...	3646	...	...	...	...	331
332	Furniture, fixtures	761	...	...	...	...	2860	...	...	...	...	332
341	Paper and products	258	...	...	...	...	1220	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	-	...	...	...	...	3411
342	Printing,publishing	637	...	...	...	...	3977	...	...	...	...	342
351	Industrial chemicals	-	...	...	...	...	-	...	...	...	...	351
3511	Basic excl fertilizers	-	...	...	...	...	-	...	...	...	...	3511
3513	Synthetic resins etc	-	...	...	...	...	-	...	...	...	...	3513
352	Other chemical products	367	...	...	...	...	2468	...	...	...	...	352
3522	Drugs and medicines	-	...	...	...	...	-	...	...	...	...	3522
353	Petroleum refineries	-	...	...	...	...	-	...	...	...	...	353
354	Petroleum,coal products	-	...	...	...	...	-	...	...	...	...	354
355	Rubber products	119	...	...	...	...	485	...	...	...	...	355
356	Plastic products n.e.c.	164	...	...	...	...	735	...	...	...	...	356
361	Pottery,china etc	-	...	...	...	...	-	...	...	...	...	361
362	Glass and products	-	...	...	...	...	-	...	...	...	...	362
369	Non-metal products n.e.c	[442]	...	...	...	...	[2839]	...	...	...	...	369
371	Iron and steel		...	...	...	...		...	...	...	...	371
372	Non-ferrous metals		...	...	...	...		...	...	...	...	372
381	Metal products	670	...	...	...	...	2651	...	...	...	...	381
382	Machinery n.e.c.	246	...	...	...	...	1161	...	...	...	...	382
3825	Office,computing etc.	-	...	...	...	...	-	...	...	...	...	3825
383	Electrical machinery	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc.	-	...	...	...	...	-	...	...	...	...	3832
384	Transport equipment	257	...	...	...	...	1865	...	...	...	...	384
3841	Shipbuilding, repair	185	...	...	...	...	1484	...	...	...	...	3841
3843	Motor vehicles	72	...	...	...	...	381	...	...	...	...	3843
385	Professional goods	-	...	...	...	...	-	...	...	...	...	385
390	Other industries	150	...	...	...	...	475	...	...	...	...	390
3	Manufacturing	13286	...	...	...	...	63180	...	...	...	...	3
410	Electricity,gas,steam	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	1110	...	...	...	...	9509	...	...	...	...	4
2-4	All industry	16755	...	...	...	...	82917	...	...	...	...	2-4

a/ Except for major division 4, private establishments submitting returns only.
b/ Including employers' contributions to national provident fund. c/ Major group 322 is included in 321.

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ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES a/b/ (NUMBER)					6. WAGES AND SALARIES OF OPERATIVES a/b/c/ (THOUSAND DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	...	...	...	...	-	...	...	...	...	210
220	Petroleum and gas	-	...	...	...	...	-	...	...	...	...	220
230	Metal ore mining	941	...	...	...	...	8173	...	...	...	...	230
290	Other mining	64	...	...	...	...	208	...	...	...	...	290
2	Mining, quarrying .	1005	...	...	...	...	8381	...	...	...	...	2
311/2	Food products	6117	...	...	...	...	28166	...	...	...	...	311/2
313	Beverages	[391]	...	...	...	...	[1714]	...	...	...	...	313
314	Tobacco		...	...	...	...		...	...	...	...	314
321	Textiles ..... d/	1400	...	...	...	...	2804	...	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... d/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	[32]	..	...	...	...	[48]	...	...	...	...	323
324	Footwear		...	...	...	...		...	...	...	...	324
331	Wood products	786	...	...	...	...	3041	...	...	...	...	331
332	Furniture, fixtures	662	...	...	...	...	2483	...	...	...	...	332
341	Paper and products	214	...	...	...	...	717	...	...	...	...	341
3411	Pulp,paper etc.	-	...	...	...	...	-	...	...	...	...	3411
342	Printing,publishing	562	...	...	...	...	2721	...	...	...	...	342
351	Industrial chemicals ...	-	...	...	...	...	-	...	...	...	...	351
3511	Basic excl fertilizers	-	...	...	...	...	-	...	...	...	...	3511
3513	Synthetic resins etc .	-	...	...	...	...	-	...	...	...	...	3513
352	Other chemical products.	269	...	...	...	...	1301	...	...	...	...	352
3522	Drugs and medicines ..	-	...	...	...	...	-	...	...	...	...	3522
353	Petroleum refineries ...	-	...	...	...	...	-	...	...	...	...	353
354	Petroleum,coal products.	-	...	...	...	...	-	...	...	...	...	354
355	Rubber products	105	...	...	...	...	350	...	...	...	...	355
356	Plastic products n.e.c..	162	...	...	...	...	629	...	...	...	...	356
361	Pottery,china etc	-	...	...	...	...	...	...	...	...	...	361
362	Glass and products	-	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	[381]	...	...	...	...	[2236]	...	...	...	...	369
371	Iron and steel		...	...	...	...		...	...	...	...	371
372	Non-ferrous metals		...	...	...	...		...	...	...	...	372
381	Metal products	606	...	...	...	...	2064	...	...	...	...	381
382	Machinery n.e.c. ..... e/	201	...	...	...	...	967	...	...	...	...	382
3825	Office,computing etc..	-	...	...	...	...	-	...	...	...	...	3825
383	Electrical machinery ... e/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	-	...	...	...	...	-	...	...	...	...	3832
384	Transport equipment	214	...	...	...	...	1320	...	...	...	...	384
3841	Shipbuilding, repair..	156	...	...	...	...	993	...	...	...	...	3841
3843	Motor vehicles	58	...	...	...	...	327	...	...	...	...	3843
385	Professional goods	-	...	...	...	...	-	...	...	...	...	385
390	Other industries	128	...	...	...	...	415	...	...	...	...	390
3	Manufacturing	12230	...	...	...	...	50976	...	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	802	...	...	...	...	2093	...	...	...	...	4
2-4	All industry	14037	...	...	...	...	61450	...	...	...	...	2-4

a/ Except for major division 4, private establishments submitting returns only.
b/ Operatives: Fiji citizens only.
c/ Payments in cash only.
d/ Major group 322 is included in 321.
e/ Major group 383 is included in 382.

ISIC	INDUSTRY	7. OUTPUT IN PRODUCERS' PRICES a/b/ (THOUSAND DOLLARS)					8. VALUE ADDED IN PRODUCERS' PRICES a/c/ (THOUSAND DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	...	...	...	...	-	...	...	...	...	210
220	Petroleum and gas	-	...	...	...	...	-	...	...	...	...	220
230	Metal ore mining	48487	...	...	...	...	18578	...	...	...	...	230
290	Other mining	2288	...	...	...	...	942	...	...	...	...	290
2	Mining, quarrying .	50775	...	...	...	...	19520	...	...	...	...	2
311/2	Food products	326547	...	...	...	...	72648	...	...	...	...	311/2
313	Beverages	[57730]	...	...	...	...	[10427]	...	...	...	...	313
314	Tobacco		...	...	...	...		...	...	...	...	314
321	Textiles ..... d/	18928	...	...	...	...	5395	...	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... d/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	[445]	...	...	...	...	[145]	...	...	...	...	323
324	Footwear		...	...	...	...		...	...	...	...	324
331	Wood products	17904	...	...	...	...	6389	...	...	...	...	331
332	Furniture, fixtures	12197	...	..	...	...	2629	...	...	...	...	332
341	Paper and products	10768	...	...	...	...	2928	...	...	...	...	341
3411	Pulp,paper etc.	-	...	...	...	...	-	...	...	...	...	3411
342	Printing,publishing	14598	...	...	...	...	5399	...	...	...	...	342
351	Industrial chemicals ...	-	...	...	...	...	-	...	...	...	...	351
3511	Basic excl fertilizers	-	...	...	...	...	-	...	...	...	...	3511
3513	Synthetic resins etc .	-	...	...	...	...	-	...	...	...	...	3513
352	Other chemical products.	25292	...	...	...	...	5561	...	...	...	...	352
3522	Drugs and medicines ..	-	...	...	...	...	-	...	...	...	...	3522
353	Petroleum refineries ...	-	...	...	...	...	-	...	...	...	...	353
354	Petroleum,coal products.	-	...	...	...	...	-	...	...	...	...	354
355	Rubber products	3724	...	...	...	...	906	...	...	...	...	355
356	Plastic products n.e.c..	7868	...	...	...	...	1579	...	...	...	...	356
361	Pottery,china etc	-	...	...	...	...	-	...	...	...	...	361
362	Glass and products	-	...	...	...	...	-	...	...	...	...	362
369	Non-metal products n.e.c	[22559]	...	...	...	...	[4225]	...	...	...	...	369
371	Iron and steel		...	...	...	...		...	...	...	...	371
372	Non-ferrous metals		...	...	...	...		...	...	...	...	372
381	Metal products	25844	...	...	...	...	7742	...	...	...	...	381
382	Machinery n.e.c. ..... e/	4667	...	...	...	...	1869	...	...	...	...	382
3825	Office,computing etc..	-	...	...	...	...	-	...	...	...	...	3825
383	Electrical machinery ... e/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	-	...	...	...	...	3832
384	Transport equipment	6870	...	...	...	...	2268	...	...	...	...	384
3841	Shipbuilding, repair..	5547	...	...	...	...	1909	...	...	...	...	3841
3843	Motor vehicles	1323	...	...	...	...	359	...	...	...	...	3843
385	Professional goods	-	...	...	...	...	-	...	...	...	...	385
390	Other industries	3876	...	...	...	...	1035	...	...	...	...	390
3	Manufacturing	559817	...	...	...	...	131145	...	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	..	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	61469	...	...	...	...	48359	...	...	...	...	4
2-4	All industry	672061	...	...	...	...	199024	...	...	...	...	2-4

a/ Except for major division 4, private establishments submitting returns only.
b/ Gross output (i.e. including non-industrial services).
c/ Contribution to the gross domestic product.
d/ Major group 322 is included in 321.
e/ Major group 383 is included in 382.

9. GROSS FIXED CAPITAL FORMATION
TOTAL a/
(THOUSAND DOLLARS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	-	...	...	...	...	210
220	Petroleum and gas	-	...	...	...	...	220
230	Metal ore mining	16804	...	...	...	...	230
290	Other mining	14	...	...	...	...	290
2	Mining, quarrying .	16818	...	...	...	...	2
311/2	Food products	10267	...	...	...	...	311/2
313	Beverages	[1117]	...	...	...	...	313
314	Tobacco		...	...	...	...	314
321	Textiles ..... b/	797	...	...	...	...	321
3211	Spinning,weaving etc..	-	...	...	...	...	3211
322	Wearing apparel ..... b/	...	...	...	...	...	322
323	Leather and products ...	[14]	...	...	...	...	323
324	Footwear		...	...	...	...	324
331	Wood products	2566	...	...	...	...	331
332	Furniture, fixtures	328	...	...	...	...	332
341	Paper and products	417	...	...	...	...	341
3411	Pulp,paper etc.	-	...	...	...	...	3411
342	Printing,publishing	1128	...	...	...	...	342
351	Industrial chemicals ...	-	...	...	...	...	351
3511	Basic excl fertilizers	-	...	...	...	...	3511
3513	Synthetic resins etc .	-	...	...	...	...	3513
352	Other chemical products.	538	...	...	...	...	352
3522	Drugs and medicines ..	-	...	...	...	...	3522
353	Petroleum refineries ...	-	...	...	...	...	353
354	Petroleum,coal products.	-	...	...	...	...	354
355	Rubber products	281	...	...	...	...	355
356	Plastic products n.e.c..	565	...	...	...	...	356
361	Pottery,china etc	-	...	...	...	...	361
362	Glass and products	-	...	...	...	...	362
369	Non-metal products n.e.c	[494]	...	...	...	...	369
371	Iron and steel		...	...	...	...	371
372	Non-ferrous metals		...	...	...	...	372
381	Metal products	531	...	...	...	...	381
382	Machinery n.e.c. ..... c/	14	...	...	...	...	382
3825	Office,computing etc..	-	...	...	...	...	3825
383	Electrical machinery ... c/	...	...	...	...	...	383
3832	Radio,television etc..	-	...	...	...	...	3832
384	Transport equipment	141	...	...	...	...	384
3841	Shipbuilding, repair..	141	...	...	...	...	3841
3843	Motor vehicles	-	...	...	...	...	3843
385	Professional goods	-	...	...	...	...	385
390	Other industries	98	...	...	...	...	390
3	Manufacturing	19296	...	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	13420	...	...	...	...	4
2-4	All industry	49534	...	...	...	...	2-4

a/ Except for major division 4, private establishments submitting returns only.
b/ Major group 322 is included in 321.
c/ Major group 383 is included in 382.

10. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining ..... b/	184	161	195	241	369	370	552	546	532	23.2	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	184	161	195	241	369	370	552	545	532	23.2	2
311/2	Food products											311/2
313	Beverages	119	88	120	95	126	117	112	128	124	2.7	313
314	Tobacco											314
321	Textiles	...	...	...	...	...	...	...	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	81	80	89	97	95	108	104	86	92	-1.0	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products ..... c/	100	101	104	106	116	91	82	86	102	0.2	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... c/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	...	...	...	...	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	103	121	111	115	112	107	116	105	116	1.9	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products ..... d/	104	112	117	109	107	65	84	88	87	-1.7	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c e/	106	133	118	113	111	71	53	70	94	-0.8	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	...	...	...	...	...	...	...	...	...	...	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	108	95	113	98	118	102	103	114	126	2.9	3
410	Electricity,gas,steam ..	108	114	124	129	138	136	147	157	166	6.5	410
4101	Electricity	108	115	125	129	139	137	147	152	158	5.9	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	109	97	116	103	123	110	117	128	138	4.1	2-4

a/ Annual growth rate 1982-1990.
b/ Gold only.
c/ Major group 342 is included in 341.
d/ Tyre and tube industries.
e/ Cement only.

FINLAND

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Statistics Finland, Helsinki. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates are derived from the annual industrial statistics inquiry conducted by the Statistics Finland. The inquiry is carried out on the basis of a complete enumeration of all establishments with an annual average of 5 or more persons engaged. However, in a few branches exceptions are made. For publishing and electric light and power, all establishments are covered irrespective of size; in the case of sawmills, the cut-off limit is the production of less than 100 standards a year on average.

For manufacturing, the coverage of the annual inquiry, in relation to total manufacturing activity, can best be measured by comparing the annual results with those obtained from a special inquiry which is conducted every second year into the activities of units liable to taxation on their turnover, as obtained from the general economic register. For 1980, the results of this inquiry show that the annual inquiry covered 41 per cent of the manufacturing establishments, 97 per cent of all manufacturing employment and 99 per cent of gross output.

The estimates are based on the national classification which follows the present version of ISIC.

The estimates of persons engaged relate to owners working in the establishment and employees. The number of employees is calculated as the number of wage earners averaged over twelve periods of the year and the average number of salaried employees during the year. Operatives are defined as wage earners and cover production workers, workers of industrial auxiliary sections, transport workers and other auxiliary workers.

The estimates of output relate to the gross value of production (excluding indirect taxes and including subsidies) comprising the sales value of goods produced, income from repair work and income from contract work. The value of electricity sold is included and adjustments are made for changes in the value of work in progress during the year. The value of goods shipped in the same condition as received is not included, nor is the value of fixed assets produced by the establishment for its own use. The estimates of value added are derived as the difference between the value of output and the cost of the following inputs: raw materials and semi-finished products, packages and packaging materials, purchased fuel, steam and electricity, lubricants, other auxiliary materials and accessories, and repair and contract work performed by other establishments.

The estimates of gross fixed capital formation relate to the acquisition of new and used fixed assets less sales, and improvements of a capital nature. Progress payments are included and also fixed capital formation in establishments not yet in operation, which is classified according to the probable future activity of the establishment.

The indices of industrial production are compiled by the Statistics Finland and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover all establishments with 5 or more persons engaged.

Related national publications:

Teollisuuden vuosikirja osa 1 (Yearbook of Industrial Statistics Volume I); Tilastotiedotus TE. Teollisuustilasto, ennakkotietoja (Statistical Report TE. Industrial Statistics, preliminary data); Suomen Tilastollinen Vuosikirja (Statistical Yearbook of Finland); Tilastokatsauksia (Bulletin of Statistics) (monthly), all published by the Statistics Finland, Helsinki.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	8	8	7	7	6	2.6	2.0	1.6	1.4	1.0	230
290	Other mining	97	97	126	143	125	3.0	3.4	3.1	3.0	2.7	290
2	Mining, quarrying .	105	105	133	150	131	5.6	5.4	4.7	4.3	3.7	2
311/2	Food products	938	938	901	830	786	51.1	50.8	50.0	47.8	47.1	311/2
313	Beverages	26	26	26	24	24	5.2	4.9	4.8	4.8	5.5	313
314	Tobacco	4	4	4	4	4	1.2	1.2	1.2	1.2	1.1	314
321	Textiles	277	277	239	229	204	15.8	14.9	13.4	12.3	11.0	321
3211	Spinning,weaving etc..	60	60	54	52	45	5.3	5.1	4.4	3.9	3.3	3211
322	Wearing apparel	391	391	339	296	264	27.4	24.8	20.5	18.5	14.8	322
323	Leather and products ...	69	69	57	53	54	2.4	2.2	1.8	1.5	1.5	323
324	Footwear	90	90	72	57	55	6.6	6.1	5.2	3.7	3.3	324
331	Wood products	616	616	557	584	556	34.1	32.1	31.1	32.7	31.1	331
332	Furniture, fixtures	343	343	348	356	336	12.2	12.8	12.2	12.0	11.1	332
341	Paper and products	192	192	151	150	148	41.8	41.7	41.2	45.5	44.3	341
3411	Pulp,paper etc.	113	113	78	77	74	31.9	32.6	31.3	37.6	37.0	3411
342	Printing,publishing	698	698	694	683	668	38.4	38.8	39.0	38.7	38.1	342
351	Industrial chemicals ...	154	154	152	154	160	14.1	15.2	14.2	13.9	13.7	351
3511	Basic excl fertilizers	61	61	56	57	56	5.4	5.3	5.0	5.1	4.9	3511
3513	Synthetic resins etc .	81	81	85	86	91	6.5	7.5	6.8	6.5	6.5	3513
352	Other chemical products.	94	94	89	90	92	10.2	10.0	10.1	10.1	10.3	352
3522	Drugs and medicines ..	15	15	15	15	16	3.4	3.5	3.5	3.5	3.8	3522
353	Petroleum refineries ...	2	2	4	4	4	2.7	2.8	3.6	3.2	3.1	353
354	Petroleum,coal products.	24	24	21	20	20	0.8	0.8	0.8	0.8	0.7	354
355	Rubber products	19	19	24	26	26	3.7	3.3	3.0	2.8	2.6	355
356	Plastic products n.e.c..	153	153	150	147	151	6.6	6.4	7.0	7.2	7.3	356
361	Pottery,china etc	11	11	12	12	13	1.3	1.4	1.4	1.4	1.3	361
362	Glass and products	42	42	43	45	48	3.1	3.4	3.3	3.3	3.3	362
369	Non-metal products n.e.c	361	361	350	359	355	15.8	15.5	15.2	15.6	15.5	369
371	Iron and steel	52	52	50	48	50	13.3	12.9	12.7	12.5	12.8	371
372	Non-ferrous metals	32	32	25	24	22	5.0	4.9	4.7	4.5	4.3	372
381	Metal products	712	712	732	744	738	31.2	31.0	31.8	33.5	32.1	381
382	Machinery n.e.c.	671	671	615	631	646	54.5	55.0	53.5	51.0	52.5	382
3825	Office,computing etc..	26	26	29	27	21	3.5	3.3	4.1	3.7	5.0	3825
383	Electrical machinery ...	225	225	228	221	236	31.7	31.5	30.9	29.3	28.5	383
3832	Radio,television etc..	65	65	66	64	66	11.0	11.6	11.9	12.1	11.4	3832
384	Transport equipment	295	295	246	243	234	37.6	35.5	33.2	31.4	28.0	384
3841	Shipbuilding, repair..	102	102	93	89	80	18.8	17.6	16.5	14.3	11.5	3841
3843	Motor vehicles	151	151	125	129	128	10.6	10.8	9.6	9.9	9.2	3843
385	Professional goods	89	89	89	93	93	5.7	5.3	5.9	5.9	5.8	385
390	Other industries	98	98	98	98	85	4.9	4.4	4.3	4.0	3.7	390
3	Manufacturing	6678	6678	6316	6225	6072	478.6	469.6	455.9	449.1	434.4	3
410	Electricity,gas,steam ..	444	444	429	428	435	25.7	25.7	25.5	25.0	24.3	410
4101	Electricity	376	376	367	368	374	25.0	24.9	24.8	24.4	23.7	4101
420	Water works and supply .	94	94	93	92	92	2.6	2.4	2.5	2.4	2.5	420
4	Electricity,gas etc	538	538	522	520	527	28.3	28.1	28.0	27.4	26.8	4
2-4	All industry	7321	7321	6971	6895	6730	512.5	503.1	488.6	480.8	464.9	2-4

a/ Establishments with 5 or more persons engaged.

FINLAND

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION MARKKAA)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	2.6	2.0	1.6	1.4	1.0	264	204	181	164	134	230
290	Other mining	2.9	3.4	3.1	2.9	2.7	228	270	265	271	282	290
2	Mining, quarrying .	5.6	5.3	4.7	4.3	3.7	492	474	446	435	416	2
311/2	Food products	50.5	50.2	49.5	47.4	46.7	3711	3977	4275	4459	4752	311/2
313	Beverages	5.1	4.9	4.8	4.8	5.5	418	428	444	483	670	313
314	Tobacco	1.2	1.2	1.2	1.2	1.1	111	124	136	144	149	314
321	Textiles	15.7	14.8	13.3	12.2	10.9	982	992	947	941	900	321
3211	Spinning,weaving etc..	5.3	5.1	4.4	3.9	3.3	362	366	333	318	291	3211
322	Wearing apparel	27.2	24.6	20.4	18.3	14.7	1515	1480	1304	1258	1070	322
323	Leather and products ...	2.3	2.1	1.8	1.4	1.4	136	134	122	105	109	323
324	Footwear	6.5	6.0	5.1	3.6	3.2	365	356	340	246	230	324
331	Wood products	33.6	31.6	30.6	32.3	30.7	2245	2296	2398	2810	2883	331
332	Furniture, fixtures	12.0	12.5	12.0	11.8	10.9	760	860	901	954	968	332
341	Paper and products	41.8	41.7	41.2	45.5	44.2	4025	4337	4515	5594	5914	341
3411	Pulp,paper etc.	31.9	32.6	31.3	37.6	37.0	3183	3489	3546	4739	5064	3411
342	Printing,publishing	38.2	38.6	38.8	38.5	37.9	3432	3673	3961	4219	4537	342
351	Industrial chemicals ...	14.1	15.2	14.2	13.9	13.7	1261	1451	1498	1602	1718	351
3511	Basic excl fertilizers	5.4	5.3	5.0	5.1	4.9	496	527	534	587	625	3511
3513	Synthetic resins etc .	6.5	7.5	6.8	6.4	6.5	556	681	701	737	787	3513
352	Other chemical products.	10.1	10.0	10.1	10.1	10.3	820	865	944	1035	1163	352
3522	Drugs and medicines ..	3.4	3.5	3.5	3.5	3.8	274	295	320	350	421	3522
353	Petroleum refineries ...	2.7	2.8	3.6	3.2	3.1	292	329	450	445	464	353
354	Petroleum,coal products.	0.8	0.8	0.8	0.8	0.7	72	74	77	88	89	354
355	Rubber products	3.7	3.3	3.0	2.8	2.6	268	252	248	252	249	355
356	Plastic products n.e.c..	6.5	6.4	6.9	7.2	7.3	468	487	573	649	747	356
361	Pottery,china etc	1.3	1.4	1.4	1.4	1.3	91	104	118	123	127	361
362	Glass and products	3.1	3.4	3.3	3.3	3.3	236	283	282	316	359	362
369	Non-metal products n.e.c	15.7	15.4	15.0	15.5	15.4	1181	1243	1352	1534	1692	369
371	Iron and steel	13.3	12.9	12.7	12.5	12.8	1192	1237	1295	1406	1566	371
372	Non-ferrous metals	5.0	4.9	4.7	4.4	4.3	446	467	471	495	540	372
381	Metal products	30.9	30.7	31.5	33.2	31.9	2344	2525	2808	3289	3423	381
382	Machinery n.e.c.	54.3	54.7	53.3	50.8	52.3	4703	5040	5363	5555	6202	382
3825	Office,computing etc..	3.5	3.2	4.1	3.7	5.0	333	323	444	443	670	3825
383	Electrical machinery ...	31.7	31.4	30.9	29.3	28.5	2508	2606	2799	2945	3101	383
3832	Radio,television etc..	11.0	11.6	11.9	12.1	11.4	880	986	1094	1247	1246	3832
384	Transport equipment	37.5	35.3	33.0	31.3	27.9	3143	3186	3245	3176	3282	384
3841	Shipbuilding, repair..	18.8	17.5	16.5	14.3	11.5	1597	1633	1665	1438	1450	3841
3843	Motor vehicles	10.5	10.7	9.6	9.8	9.2	832	899	872	959	964	3843
385	Professional goods	5.6	5.2	5.8	5.8	5.8	459	470	566	629	691	385
390	Other industries	4.9	4.3	4.2	3.9	3.6	317	308	329	337	341	390
3	Manufacturing	475.4	466.5	453.2	446.6	432.1	37502	39587	41762	45085	47936	3
410	Electricity,gas,steam ..	25.7	25.7	25.5	25.0	24.3	2360	2508	2734	2937	3107	410
4101	Electricity	25.0	24.9	24.8	24.4	23.7	2300	2441	2668	2873	3036	4101
420	Water works and supply .	2.6	2.4	2.5	2.4	2.5	207	211	222	229	250	420
4	Electricity,gas etc	28.3	28.1	28.0	27.4	26.8	2567	2719	2956	3166	3357	4
2-4	All industry	509.3	500.0	485.8	478.2	462.6	40561	42779	45164	48686	51710	2-4

a/ Establishments with 5 or more persons engaged.

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES a/ (MILLION MARKKAA)					6. AVERAGE NUMBER OF OPERATIVES a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	62	47	44	37	33	1.7	1.3	1.2	0.9	0.8	230
290	Other mining	61	72	72	75	76	2.1	2.4	2.2	2.1	1.9	290
2	Mining, quarrying..	123	118	117	112	110	3.8	3.7	3.3	3.0	2.7	2
311/2	Food products	906	970	1098	1161	1262	37.6	37.6	36.7	35.0	34.4	311/2
313	Beverages	105	113	125	143	202	3.4	3.3	3.3	3.3	3.3	313
314	Tobacco	28	33	35	40	35	0.7	0.7	0.7	0.7	0.7	314
321	Textiles	224	237	228	232	229	12.7	12.0	10.8	9.9	8.7	321
3211	Spinning,weaving etc..	88	92	83	80	76	4.2	4.0	3.5	3.1	2.6	3211
322	Wearing apparel	334	323	291	283	254	23.0	20.7	17.0	15.1	12.2	322
323	Leather and products ...	29	30	28	24	25	1.9	1.7	1.5	1.2	1.2	323
324	Footwear	89	83	73	54	55	5.8	5.3	4.5	3.1	2.7	324
331	Wood products	536	592	615	737	781	27.7	26.1	25.2	26.4	24.8	331
332	Furniture, fixtures	176	197	211	231	244	9.6	10.0	9.6	9.5	8.7	332
341	Paper and products	982	1090	1159	1485	1625	31.5	31.2	30.6	33.6	32.7	341
3411	Pulp,paper etc.	781	878	910	1264	1389	23.8	24.2	23.0	27.6	27.3	3411
342	Printing,publishing	768	824	909	999	1121	24.1	24.3	24.3	24.0	23.2	342
351	Industrial chemicals ...	302	366	405	460	498	8.9	9.6	8.7	8.5	8.3	351
3511	Basic excl fertilizers	123	135	144	172	180	3.3	3.2	3.0	3.1	2.9	3511
3513	Synthetic resins etc .	127	168	180	201	217	4.4	5.1	4.4	4.3	4.2	3513
352	Other chemical products.	194	215	241	264	299	4.9	4.9	4.9	4.9	4.8	352
3522	Drugs and medicines ..	65	71	80	88	109	1.2	1.3	1.2	1.3	1.4	3522
353	Petroleum refineries ...	64	72	99	171	148	1.3	1.3	1.3	1.2	1.1	353
354	Petroleum,coal products.	16	18	20	25	25	0.5	0.5	0.5	0.5	0.4	354
355	Rubber products	74	80	62	66	61	2.9	2.6	2.4	2.2	2.0	355
356	Plastic products n.e.c..	104	112	135	161	181	5.0	4.9	5.3	5.5	5.5	356
361	Pottery,china etc	20	24	27	30	31	1.0	1.1	1.1	1.1	1.0	361
362	Glass and products	59	73	69	83	91	2.4	2.7	2.6	2.6	2.6	362
369	Non-metal products n.e.c	302	327	364	400	439	11.7	11.6	11.3	11.7	11.7	369
371	Iron and steel	310	321	345	389	444	9.3	9.1	9.1	8.9	9.0	371
372	Non-ferrous metals	103	115	120	124	150	3.6	3.5	3.3	3.1	3.0	372
381	Metal products	558	597	676	828	903	23.2	23.2	23.9	25.2	23.6	381
382	Machinery n.e.c.	1114	1200	1298	1392	1692	35.8	35.8	33.8	31.6	31.8	382
3825	Office,computing etc..	76	74	111	118	171	1.6	1.4	1.2	0.9	1.3	3825
383	Electrical machinery ...	603	632	675	703	749	19.9	20.0	19.4	17.9	17.3	383
3832	Radio,television etc..	204	232	255	293	298	6.2	6.3	6.6	6.4	6.1	3832
384	Transport equipment	714	719	780	774	830	27.1	24.9	23.4	22.3	20.0	384
3841	Shipbuilding, repair..	331	334	360	310	340	13.0	11.8	11.2	9.7	8.1	3841
3843	Motor vehicles	185	200	207	232	242	8.1	8.3	7.3	7.5	6.9	3843
385	Professional goods	92	104	134	142	165	3.0	2.8	3.1	3.0	2.9	385
390	Other industries	70	67	73	80	84	3.9	3.5	3.4	3.1	2.8	390
3	Manufacturing	8876	9536	10294	11485	12625	342.5	334.7	321.4	315.0	300.6	3
410	Electricity,gas,steam ..	553	604	683	753	839	14.9	14.7	14.3	13.9	13.3	410
4101	Electricity	539	588	667	736	820	14.4	14.2	13.8	13.5	12.9	4101
420	Water works and supply .	51	52	55	57	63	1.6	1.7	1.7	1.6	1.7	420
4	Electricity,gas etc	604	656	738	810	903	16.5	16.4	16.0	15.5	14.9	4
2-4	All industry	9602	10310	11149	12407	13638	362.8	354.7	340.7	333.5	318.2	2-4

a/ Establishments with 5 or more persons engaged.

FINLAND

ISIC	INDUSTRY	7. WAGES AND SALARIES OF OPERATIVES a/ (MILLION MARKKAA)					8. HOURS WORKED BY OPERATIVES a/ (MILLIONS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	155	124	116	98	97	2.8	2.0	1.7	1.4	1.3	230
290	Other mining	145	170	164	173	175	3.6	4.0	3.6	3.5	3.1	290
2	Mining, quarrying .	300	294	279	271	273	6.5	6.1	5.3	4.9	4.3	2
311/2	Food products	2463	2639	2815	2940	3136	65.8	65.0	63.2	59.8	57.0	311/2
313	Beverages	243	253	267	298	339	6.0	5.7	5.7	5.6	5.5	313
314	Tobacco	50	55	61	61	64	1.2	1.2	1.2	1.1	1.0	314
321	Textiles	703	708	676	664	624	20.6	19.3	17.3	15.7	13.3	321
3211	Spinning,weaving etc..	256	254	231	221	195	6.8	6.5	5.6	4.9	3.9	3211
322	Wearing apparel	1147	1108	976	914	785	37.0	33.2	27.5	24.4	19.1	322
323	Leather and products ...	102	100	90	80	82	3.2	2.9	2.4	1.9	1.9	323
324	Footwear	294	285	270	191	171	9.9	8.6	7.4	5.1	4.2	324
331	Wood products	1679	1721	1806	2088	2125	45.7	43.6	43.0	44.1	40.0	331
332	Furniture, fixtures	553	622	656	692	697	16.2	16.8	16.1	15.7	14.0	332
341	Paper and products	2814	3045	3115	3840	4062	51.3	52.2	50.6	55.5	52.3	341
3411	Pulp,paper etc.	2211	2443	2446	3236	3483	39.1	40.5	37.9	45.3	43.7	3411
342	Printing,publishing	1775	1889	2037	2155	2276	37.7	37.5	37.6	36.3	34.2	342
351	Industrial chemicals ...	700	797	806	866	920	14.8	15.9	14.3	14.1	13.4	351
3511	Basic excl fertilizers	276	293	300	331	350	5.3	5.3	4.8	5.0	4.6	3511
3513	Synthetic resins etc .	333	402	394	416	444	7.5	8.8	7.5	7.2	7.0	3513
352	Other chemical products.	304	329	352	387	426	8.3	8.3	8.2	8.3	7.9	352
3522	Drugs and medicines ..	71	82	86	100	120	2.0	2.2	2.1	2.2	2.4	3522
353	Petroleum refineries ...	120	132	145	146	151	2.3	2.4	2.4	2.0	1.9	353
354	Petroleum,coal products.	36	38	39	45	43	0.9	0.9	0.8	0.8	0.7	354
355	Rubber products	186	178	178	178	173	4.8	4.1	3.8	3.5	3.0	355
356	Plastic products n.e.c..	312	325	381	431	502	8.6	8.3	8.9	9.3	9.4	356
361	Pottery,china etc	61	72	79	83	87	1.6	1.8	1.8	1.7	1.6	361
362	Glass and products	165	196	199	221	252	4.0	4.5	4.3	4.3	4.2	362
369	Non-metal products n.e.c	778	841	918	1072	1185	19.8	20.0	19.5	20.2	19.2	369
371	Iron and steel	770	813	853	927	1020	15.7	15.5	15.0	14.9	14.7	371
372	Non-ferrous metals	297	306	306	317	351	6.0	5.8	5.3	5.0	4.9	372
381	Metal products	1575	1717	1919	2232	2254	39.4	39.8	41.0	42.7	38.9	381
382	Machinery n.e.c.	2719	2901	2978	3021	3231	62.0	62.3	57.6	53.7	52.5	382
3825	Office,computing etc..	120	112	89	69	111	2.9	2.5	2.0	1.5	2.2	3825
383	Electrical machinery ...	1285	1350	1412	1436	1503	33.6	33.9	32.6	29.9	28.2	383
3832	Radio,television etc..	373	390	451	491	496	10.7	10.8	11.1	10.7	10.0	3832
384	Transport equipment	2024	2015	2072	2010	2131	43.7	40.8	38.5	35.4	32.8	384
3841	Shipbuilding, repair..	948	956	992	852	936	20.2	18.9	18.5	15.0	13.5	3841
3843	Motor vehicles	591	634	612	666	661	13.9	14.1	12.5	12.8	11.2	3843
385	Professional goods	188	197	236	249	265	4.9	4.7	5.5	5.3	4.9	385
390	Other industries	222	216	224	229	226	6.6	5.8	5.8	5.3	4.6	390
3	Manufacturing	23566	24848	25868	27771	29081	571.7	560.5	537.4	521.7	485.4	3
410	Electricity,gas,steam ..	1206	1287	1368	1467	1514	25.2	25.1	24.4	23.5	22.0	410
4101	Electricity	1169	1246	1328	1427	1470	24.4	24.3	23.6	22.8	21.3	4101
420	Water works and supply .	126	141	145	148	161	2.6	2.8	2.7	2.6	2.7	420
4	Electricity,gas etc	1332	1428	1513	1615	1676	27.8	27.9	27.1	26.1	24.7	4
2-4	All industry	25199	26570	27661	29657	31029	605.9	594.4	569.8	552.6	514.4	2-4

a/ Establishments with 5 or more persons engaged.

ISIC	INDUSTRY	9. QUANTITY OF ELECTRICITY CONSUMED a/ (MILLION KWH)					10. OUTPUT IN FACTOR VALUES a/b/ (BILLION MARKKAA)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	284	249	248	228	222	0.77	0.66	0.98	1.41	0.76	230
290	Other mining	321	356	367	369	392	1.29	1.51	1.65	1.85	1.91	290
2	Mining, quarrying .	604	605	615	597	613	2.06	2.17	2.63	3.26	2.66	2
311/2	Food products	988	1040	1251	1129	1209	39.49	40.08	42.17	43.24	44.84	311/2
313	Beverages	101	102	123	126	130	3.39	3.61	3.94	4.41	4.79	313
314	Tobacco	12	13	16	20	21	0.76	0.85	0.97	0.94	1.12	314
321	Textiles	219	227	220	200	185	4.20	4.30	3.98	3.82	3.49	321
3211	Spinning,weaving etc..	115	123	113	94	80	1.67	1.68	1.49	1.40	1.17	3211
322	Wearing apparel	85	81	72	68	60	5.33	4.91	4.17	3.95	3.44	322
323	Leather and products ...	25	25	23	19	24	0.73	0.67	0.59	0.49	0.46	323
324	Footwear	28	29	28	24	22	1.46	1.36	1.17	0.91	0.85	324
331	Wood products	936	970	997	1024	1001	12.49	13.31	14.55	17.40	17.46	331
332	Furniture, fixtures	132	147	151	144	166	2.88	3.47	3.64	3.98	3.92	332
341	Paper and products	14186	14853	16233	16946	17536	38.89	41.92	43.73	48.03	44.50	341
3411	Pulp,paper etc.	13838	14553	15626	16690	17272	33.32	36.45	37.23	42.97	39.38	3411
342	Printing,publishing	269	285	343	394	422	13.35	14.56	15.98	17.51	18.23	342
351	Industrial chemicals ...	2781	2982	3197	3304	3132	10.55	11.54	12.17	13.83	13.51	351
3511	Basic excl fertilizers	2126	2269	2462	2509	2310	4.54	4.62	4.98	5.66	5.46	3511
3513	Synthetic resins etc	500	545	537	607	633	3.72	4.66	4.89	5.73	5.55	3513
352	Other chemical products	112	116	128	121	129	4.36	4.74	5.24	5.81	5.94	352
3522	Drugs and medicines .	37	41	43	37	45	1.30	1.55	1.74	1.95	2.10	3522
353	Petroleum refineries ...	419	473	524	482	554	7.57	8.82	7.14	8.01	11.10	353
354	Petroleum,coal products.	19	17	15	15	17	0.83	0.93	0.89	1.01	1.08	354
355	Rubber products	73	73	77	75	75	1.04	0.91	1.15	1.09	1.05	355
356	Plastic products n.e.c..	178	164	204	223	247	2.19	2.15	2.80	3.17	3.34	356
361	Pottery,china etc	20	22	23	24	25	0.33	0.35	0.40	0.46	0.43	361
362	Glass and products	103	109	135	139	149	0.96	1.11	1.27	1.36	1.37	362
369	Non-metal products n.e.c	552	581	654	667	689	5.63	6.53	7.11	8.30	8.35	369
371	Iron and steel	1820	1903	2048	2131	2115	9.91	10.11	12.34	13.74	12.37	371
372	Non-ferrous metals	1146	1064	1079	1058	1161	4.65	5.06	7.18	8.75	7.47	372
381	Metal products	383	407	420	453	481	9.68	11.09	12.36	14.83	14.65	381
382	Machinery n.e.c.	521	555	563	594	629	18.36	21.57	23.43	25.84	27.64	382
3825	Office,computing etc..	29	15	14	39	22	1.81	2.17	2.53	2.34	2.85	3825
383	Electrical machinery ...	339	353	347	359	395	10.55	11.47	12.13	14.14	14.67	383
3832	Radio,television etc..	78	91	96	98	113	4.54	5.44	5.11	6.31	6.88	3832
384	Transport equipment	404	409	386	362	380	13.10	13.55	14.05	14.44	14.79	384
3841	Shipbuilding, repair..	198	212	197	169	177	6.46	6.24	6.38	6.32	6.52	3841
3843	Motor vehicles	108	118	113	118	119	4.68	5.29	5.48	5.85	5.63	3843
385	Professional goods	31	33	42	53	48	1.74	1.75	2.20	2.38	2.50	385
390	Other industries	44	34	37	37	38	1.25	1.12	1.25	1.29	1.24	390
3	Manufacturing	25925	27069	29334	30192	31040	225.69	241.84	258.00	283.14	284.58	3
410	Electricity,gas,steam ..	2923	3188	3164	3102	3277	27.51	28.22	28.04	28.21	31.18	410
4101	Electricity	2829	3111	3097	3025	3202	26.91	27.65	27.52	27.76	30.65	4101
420	Water works and supply .	164	170	168	176	204	0.79	0.84	1.26	1.40	1.56	420
4	Electricity,gas etc	3086	3358	3332	3278	3480	28.30	29.06	29.30	29.61	32.74	4
2-4	All industry	29616	31032	33281	34067	35134	256.04	273.07	289.93	316.01	319.98	2-4

a/ Establishments with 5 or more persons engaged.

b/ Data refer to "gross" value on a "shipped" basis.

FINLAND

ISIC	INDUSTRY	11. VALUE ADDED IN FACTOR VALUES a/b/ (BILLION MARKKAA)					12. GROSS FIXED CAPITAL FORMATION TOTAL b/ (MILLION MARKKAA)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	0.45	0.26	0.56	0.94	0.43	154	11	10	86	39	230
290	Other mining	0.64	0.81	0.88	1.00	0.96	143	177	166	254	199	290
2	Mining, quarrying .	1.10	1.06	1.44	1.94	1.38	296	187	176	340	238	2
311/2	Food products	8.28	8.39	9.40	9.57	9.87	1232	1338	1601	1320	1841	311/2
313	Beverages	1.85	1.98	2.13	2.48	2.55	153	410	174	282	499	313
314	Tobacco	0.34	0.46	0.54	0.51	0.67	22	206	61	68	74	314
321	Textiles	1.77	1.92	1.79	1.79	1.48	181	211	249	223	287	321
3211	Spinning,weaving etc..	0.61	0.66	0.61	0.59	0.42	89	90	64	60	114	3211
322	Wearing apparel	2.46	2.28	1.95	1.87	1.64	129	162	57	76	56	322
323	Leather and products ...	0.23	0.25	0.21	0.19	0.18	15	16	6	30	26	323
324	Footwear	0.58	0.57	0.46	0.42	0.34	35	30	23	23	3	324
331	Wood products	3.71	4.36	4.90	5.95	4.02	563	606	702	1513	1294	331
332	Furniture, fixtures	1.37	1.70	1.75	2.04	1.97	194	210	161	369	182	332
341	Paper and products	10.57	12.39	15.62	16.86	13.84	3475	4642	5551	7165	6799	341
3411	Pulp,paper etc.	8.60	10.45	13.23	15.07	11.96	3195	4304	5148	6727	6504	3411
342	Printing,publishing	6.26	6.89	7.49	7.97	8.10	1088	937	884	1179	1307	342
351	Industrial chemicals ...	3.77	4.42	4.81	5.35	5.24	990	1912	1400	1353	1273	351
3511	Basic excl fertilizers	1.80	2.09	2.45	2.73	2.50	277	843	788	417	745	3511
3513	Synthetic resins etc .	1.22	1.60	1.59	1.71	1.72	489	645	524	859	439	3513
352	Other chemical products.	1.88	2.08	2.32	2.67	2.70	304	460	295	578	816	352
3522	Drugs and medicines ..	0.59	0.74	0.88	1.05	1.10	135	271	74	184	274	3522
353	Petroleum refineries ...	0.51	1.84	0.85	2.28	2.58	381	442	396	457	269	353
354	Petroleum,coal products.	0.17	0.28	0.31	0.40	0.46	23	21	50	23	28	354
355	Rubber products	0.54	0.42	0.62	0.53	0.49	27	58	66	62	89	355
356	Plastic products n.e.c..	0.98	1.00	1.23	1.41	1.56	127	139	207	245	194	356
361	Pottery,china etc	0.22	0.25	0.27	0.31	0.28	8	25	16	21	28	361
362	Glass and products	0.47	0.51	0.60	0.66	0.64	193	208	91	91	95	362
369	Non-metal products n.e.c	2.51	2.99	3.46	4.10	4.02	496	468	510	756	988	369
371	Iron and steel	2.51	3.02	3.80	4.04	3.25	1028	1143	1037	935	816	371
372	Non-ferrous metals	0.75	0.71	1.20	1.91	1.37	255	367	263	272	213	372
381	Metal products	4.55	5.04	5.89	6.92	6.71	457	563	652	1090	918	381
382	Machinery n.e.c.	8.53	10.44	11.42	11.33	12.77	821	1122	947	1350	1427	382
3825	Office,computing etc..	1.03	1.30	1.42	0.76	1.49	60	72	109	92	49	3825
383	Electrical machinery ...	5.08	5.65	5.81	6.74	7.00	561	780	676	719	702	383
3832	Radio,television etc..	2.03	2.60	2.32	2.91	3.34	312	482	377	383	272	3832
384	Transport equipment	4.27	5.36	4.62	5.24	5.38	806	620	503	664	896	384
3841	Shipbuilding, repair..	1.67	2.58	1.75	2.11	2.29	370	339	183	199	224	3841
3843	Motor vehicles	1.62	1.82	1.79	2.04	1.93	291	213	245	270	253	3843
385	Professional goods	0.97	0.90	1.14	1.27	1.31	114	49	35	129	148	385
390	Other industries	0.67	0.59	0.69	0.68	0.64	59	53	72	39	67	390
3	Manufacturing	75.80	86.69	95.25	105.47	101.07	13736	17197	16686	21034	21330	3
410	Electricity,gas,steam ..	9.03	10.05	10.31	10.76	10.31	3846	3916	3462	5255	5284	410
4101	Electricity	8.86	9.86	10.15	10.61	10.12	3684	3787	3369	5177	5195	4101
420	Water works and supply .	0.61	0.63	1.05	1.16	1.31	300	251	268	265	329	420
4	Electricity,gas etc	9.64	10.67	11.36	11.92	11.62	4146	4167	3731	5521	5613	4
2-4	All industry	86.53	98.42	108.05	119.33	114.07	18178	21551	20592	26895	27180	2-4

a/ Data refer to "gross" value on a "shipped" basis.

b/ Establishments with 5 or more persons engaged.

ISIC	INDUSTRY	13. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/ (MILLION MARKKAA)					14. VALUE OF STOCKS AT END OF PERIOD TOTAL a/ (MILLION MARKKAA)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	71	15	22	65	25	56	58	45	40	56	230
290	Other mining	106	112	95	164	119	293	255	314	322	410	290
2	Mining, quarrying .	177	127	117	230	144	349	313	360	363	466	2
311/2	Food products	910	875	1175	853	1085	4640	4011	4147	4470	3998	311/2
313	Beverages	106	302	196	213	275	648	632	706	779	704	313
314	Tobacco	20	71	41	63	35	167	145	161	139	175	314
321	Textiles	160	192	197	194	190	1128	1097	959	957	872	321
3211	Spinning,weaving etc..	79	73	64	54	85	454	444	375	372	299	3211
322	Wearing apparel	99	97	67	66	41	1147	1095	927	866	754	322
323	Leather and products ...	11	13	11	29	17	172	169	151	129	116	323
324	Footwear	26	25	15	16	-	329	315	286	233	240	324
331	Wood products	420	422	571	923	966	2853	2851	2478	2717	3295	331
332	Furniture, fixtures	122	136	160	192	136	550	591	636	641	701	332
341	Paper and products	2803	3832	4663	5890	5438	3954	4244	4733	5950	5416	341
3411	Pulp,paper etc.	2556	3522	4338	5565	5183	3377	3652	4061	5391	4863	3411
342	Printing,publishing	843	751	955	939	983	949	1010	1065	1093	1060	342
351	Industrial chemicals ...	667	1531	1191	993	1031	1388	1395	1409	1351	1713	351
3511	Basic excl fertilizers	227	698	718	323	604	501	500	469	457	638	3511
3513	Synthetic resins etc .	322	488	402	605	353	612	667	579	570	702	3513
352	Other chemical products.	233	262	243	394	558	1077	1081	1139	1193	1205	352
3522	Drugs and medicines ..	101	154	70	100	112	416	431	429	424	430	3522
353	Petroleum refineries ...	278	295	457	345	177	2020	2167	1393	1951	1921	353
354	Petroleum,coal products.	16	14	28	32	27	176	173	171	182	207	354
355	Rubber products	25	49	122	58	75	277	164	223	213	194	355
356	Plastic products n.e.c..	117	147	218	182	161	311	328	439	445	491	356
361	Pottery,china etc	4	23	10	17	22	101	116	116	127	77	361
362	Glass and products	120	170	62	76	76	220	208	183	194	196	362
369	Non-metal products n.e.c	365	328	400	517	724	838	776	766	885	936	369
371	Iron and steel	890	1025	868	831	688	1274	1132	1285	1538	1428	371
372	Non-ferrous metals	206	347	241	240	195	324	506	1084	889	771	372
381	Metal products	313	382	545	724	665	1903	2055	2238	2758	2704	381
382	Machinery n.e.c.	620	815	876	1092	1120	4202	4341	4846	5062	5328	382
3825	Office,computing etc..	55	59	78	88	49	342	388	639	520	690	3825
383	Electrical machinery ...	535	664	560	597	583	2165	2029	2016	2373	2397	383
3832	Radio,television etc..	245	409	295	362	241	832	977	1073	1140	1049	3832
384	Transport equipment	525	368	332	351	503	3505	4880	4951	4828	4116	384
3841	Shipbuilding, repair..	171	175	127	106	197	2323	3681	3730	3418	2606	3841
3843	Motor vehicles	221	142	160	165	161	654	706	701	814	925	3843
385	Professional goods	81	38	85	99	109	494	453	580	558	553	385
390	Other industries	49	46	58	45	46	494	364	382	392	423	390
3	Manufacturing	10564	13221	14348	15971	15925	37307	38327	39471	42914	41990	3
410	Electricity,gas,steam ..	1856	1827	1671	2585	2407	3941	3647	3500	3641	3650	410
4101	Electricity	1801	1784	1642	2559	2364	3926	3629	3486	3625	3628	4101
420	Water works and supply .	35	28	28	28	32	26	27	22	23	26	420
4	Electricity,gas etc	1891	1855	1700	2612	2439	3967	3674	3522	3664	3676	4
2-4	All industry	12633	15203	16164	18813	18508	41622	42314	43352	46940	46132	2-4

a/ Establishments with 5 or more persons engaged.

FINLAND

15. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	103	102	106	112	103	110	122	131	121	2.4	230
290	Other mining	133	134	139	154	168	157	168	184	186	8.1	290
2	Mining, quarrying .	115	115	119	123	127	125	147	142	141	4.4	2
311/2	Food products	106	109	109	111	114	116	119	120	120	2.3	311/2
313	Beverages	102	101	106	108	117	119	132	137	139	4.2	313
314	Tobacco	96	96	96	94	98	102	109	102	105	0.6	314
321	Textiles	89	85	84	79	75	78	73	70	64	-5.4	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	108	101	102	107	107	95	78	68	56	-7.0	322
323	Leather and products ...	97	103	110	107	104	95	84	72	66	-5.1	323
324	Footwear	109	96	104	113	107	102	95	73	65	-5.2	324
331	Wood products	82	90	92	89	90	94	99	108	98	-0.3	331
332	Furniture, fixtures	110	115	113	109	108	117	126	131	120	2.3	332
341	Paper and products	95	104	114	113	116	121	129	130	132	3.5	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	110	116	123	125	128	134	139	145	142	4.5	342
351	Industrial chemicals ...	98	108	114	115	117	124	136	148	144	4.7	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	100	103	108	115	112	119	125	133	130	3.3	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	85	92	93	96	95	108	108	98	117	2.0	353
354	Petroleum,coal products.	130	140	144	137	131	146	144	161	159	6.0	354
355	Rubber products	98	96	96	101	104	94	91	92	72	-4.0	355
356	Plastic products n.e.c..	115	123	127	144	156	180	190	201	197	8.8	356
361	Pottery,china etc	108	109	103	103	102	106	114	122	117	2.0	361
362	Glass and products	98	97	94	93	94	107	115	118	112	1.4	362
369	Non-metal products n.e.c	113	120	112	114	110	124	127	140	137	4.0	369
371	Iron and steel	100	104	111	116	115	119	125	127	130	3.3	371
372	Non-ferrous metals	110	120	135	134	145	151	161	170	174	7.2	372
381	Metal products	121	129	128	137	144	161	170	184	176	7.3	381
382	Machinery n.e.c.	117	109	120	134	127	137	143	152	152	5.4	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	104	108	114	137	160	175	192	219	225	10.7	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	119	119	114	112	112	112	106	100	96	-0.5	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	131	135	175	182	199	217	241	264	260	12.7	385
390	Other industries	110	108	113	113	120	114	121	131	128	3.1	390
3	Manufacturing	104	107	112	116	118	123	128	133	130	3.3	3
410	Electricity,gas,steam ..	100	104	112	121	121	131	133	134	137	4.0	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	99	102	102	104	109	112	116	116	119	2.2	420
4	Electricity,gas etc	100	104	111	121	121	130	128	130	135	3.8	4
2-4	All industry	104	107	112	116	118	123	128	132	130	3.3	2-4

a/ Annual growth rate 1982-1990.

FRANCE

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Institut national de la statistique et des études économiques (INSEE), Paris. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates of employment, gross output, value added and fixed capital formation are derived from national accounts calculations and relate to total industry as defined by the national accounting concept. It should be noted that manufacture of wine (ISIC 313) is excluded as that industry is classified under agriculture in the national scheme. The industry classification is based on the national scheme "Nomenclatures d'activites et de produits 1973" but, except for fixed capital formation, the data have been arranged to correspond to the ISIC classification. For fixed capital formation, the industry groups are those used in the national accounts calculations.

The employment figures relate to the population actively engaged. The estimates are based on the results of population censuses and various other indicators, such as annual statistics obtained from the Union nationale interprofessionnelle pour l'emploi dans l'industrie et le commerce (UNEDIC), quarterly inquiries of the Ministere du travail, statistics of large nationalized enterprises and information collected by INSEE in employment inquiries. The estimates refer to annual averages.

The estimates of electricity consumption are compiled by Electricité de France (EDF) and cover the consumption of all producers, including those producing for their own use. The classification of industrial activity is according to the classification followed by EDF.

The estimates of output, value added and gross fixed capital formation are taken from the national accounts estimates based on the year 1971.

The indices of industrial production are compiled by INSEE and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover all industrial establishments except handicrafts.

Related national publications:

Rapport sur les comptes de la nation, les Collections de l'INSEE, Série C, Comptes et planification (annual); Annuaire statistique de la France; Bulletin mensuel de statistique, all published by the Institut national de la statistique et des études économiques, Paris. Statistiques de la production et de la consommation (annual), published by Electricité de France.

FRANCE

ISIC	INDUSTRY	1. AVERAGE NUMBER OF PERSONS ENGAGED (THOUSANDS)					2. AVERAGE NUMBER OF EMPLOYEES (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	43	38	31	27	...	43	38	31	27	...	210
220	Petroleum and gas	33	33	32	31	...	33	33	32	31	...	220
230	Metal ore mining	8	7	7	7	...	8	7	7	7	...	230
290	Other mining	54	53	53	53	...	50	49	49	49	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	535	532	524	520	...	446	444	438	435	...	311/2
313	Beverages	48	48	47	47	...	46	46	46	46	...	313
314	Tobacco	6	6	6	5	...	6	6	6	5	...	314
321	Textiles	247	235	222	214	...	242	230	216	208	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	186	178	168	162	...	169	161	152	146	...	322
323	Leather and products ...	24	23	21	20	...	21	19	18	17	...	323
324	Footwear	66	62	57	55	...	65	60	56	54	...	324
331	Wood products	95	94	93	95	...	87	86	85	87	...	331
332	Furniture, fixtures	106	104	104	104	...	80	78	78	79	...	332
341	Paper and products	106	103	101	101	...	105	102	101	101	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	222	225	231	237	...	204	207	213	219	...	342
351	Industrial chemicals ...	131	128	125	122	...	131	127	124	122	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	168	166	167	170	...	167	165	166	169	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	27	25	24	22	...	27	25	24	22	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	89	90	90	93	...	89	89	89	92	...	355
356	Plastic products n.e.c..	106	106	108	111	...	104	104	106	109	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	55	53	53	53	...	53	52	52	52	...	362
369	Non-metal products n.e.c	89	87	87	88	...	85	83	83	84	...	369
371	Iron and steel	211	199	188	185	...	210	198	187	185	...	371
372	Non-ferrous metals	55	53	51	50	...	54	53	51	49	...	372
381	Metal products	337	332	334	347	...	319	314	316	329	...	381
382	Machinery n.e.c.	458	441	434	437	...	441	424	418	421	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	469	460	451	449	...	464	455	446	444	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	577	549	527	520	...	574	547	524	517	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	72	70	69	69	...	65	63	62	62	...	385
390	Other industries	111	110	110	111	...	99	97	97	99	...	390
3	Manufacturing	...	...	...	...	...	...	...	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	167	167	167	166	...	167	167	167	166	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

Note. For description of classification, see country note.

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES (BILLION FRANCS) 1986	1987	1988	1989	1990	4. QUANTITY OF ELECTRICITY CONSUMED (BILLION KWH) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	10.1	...	...	...	...	2.36	2.07	...	...	...	210
220	Petroleum and gas	7.6	...	...	...	...	a/	a/	...	...	...	220
230	Metal ore mining	1.3	...	...	...	...	[1.39	1.32]	...	...	...	230
290	Other mining	3.4	...	...	...	...	a/	a/	...	...	...	290
2	Mining, quarrying	22.4	...	...	...	...	3.75	3.39	...	...	...	2
311/2	Food products	69.2	...	...	...	...	[	]	...	...	...	311/2
313	Beverages	9.8	...	...	...	...	12.50	13.86	...	...	...	313
314	Tobacco	1.4	...	...	...	...	[	]	...	...	...	314
321	Textiles	27.2	...	...	...	...	3.54	3.61	...	...	...	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	21.6	...	...	...	...	[	]	...	...	...	322
323	Leather and products	3.4	...	...	...	...			...	...	...	323
324	Footwear	6.4	...	...	...	...	b/ 4.14	b/ 4.01	...	...	...	324
331	Wood products	10.4	...	...	...	...			...	...	...	331
332	Furniture, fixtures	10.5	...	...	...	...	[	]	...	...	...	332
341	Paper and products	18.3	...	...	...	...	7.44	8.49	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	35.7	...	...	...	...	b/	b/	...	...	...	342
351	Industrial chemicals	25.0	...	...	...	...	c/ 22.14	c/ 22.06	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	33.3	...	...	...	...	c/	c/	...	...	...	352
3522	Drugs and medicines	12.0	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries	10.6	...	...	...	...	a/ 4.68	a/ 4.64	...	...	...	353
354	Petroleum,coal products. d/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	11.3	...	...	...	...	1.91	1.97	...	...	...	355
356	Plastic products n.e.c.	16.5	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	e/	e/	...	...	...	361
362	Glass and products	8.7	...	...	...	...	2.12	2.23	...	...	...	362
369	Non-metal products n.e.c e/	...	...	...	...	...	5.64	5.82	...	...	...	369
371	Iron and steel	26.4	...	...	...	...	13.80	13.68	...	...	...	371
372	Non-ferrous metals	10.5	...	...	...	...	11.12	10.63	...	...	...	372
381	Metal products	52.8	...	...	...	...	2.94	2.98	...	...	...	381
382	Machinery n.e.c.	80.1	...	...	...	...	2.94	2.86	...	...	...	382
3825	Office,computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery	79.4	...	...	...	...	3.35	3.47	...	...	...	383
3832	Radio,television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	92.1	...	...	...	...	6.67	7.16	...	...	...	384
3841	Shipbuilding, repair	9.1	...	...	...	...	0.56	0.48	...	...	...	3841
3843	Motor vehicles	53.7	...	...	...	...	4.84	5.23	...	...	...	3843
385	Professional goods	11.1	...	...	...	...	0.53	0.56	...	...	...	385
390	Other industries	12.5	...	...	...	...	b/	b/	...	...	...	390
3	Manufacturing	702.6	...	...	...	...	a/d/ 105.46	a/d/ 108.03	...	...	...	3
410	Electricity,gas,steam	...	...	...	...	...	f/g/ 44.21	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	...	...	...	...	...	3.52	...	...	...	...	420
4	Electricity,gas etc	36.9	...	...	...	...	d/ 47.73	...	...	...	...	4
2-4	All industry	...	...	...	...	...	156.94	...	...	...	...	2-4

Note. For description of classification, see country note.

a/ Major group 220 is included in 353.
b/ Major groups 342 and 390 are included in 322 to 332 combined.
c/ Major group 352 is included in 351.
d/ Major group 354 is included in the total for major division 4.
e/ Major group 361 is included in 369.
f/ Establishments providing services related to the production and distribution of electricity are included in the total for major division 4 only.
g/ Steam is included in the total for major division 4 only.

FRANCE

ISIC	INDUSTRY	5. OUTPUT IN PRODUCERS' PRICES b/ (BILLION FRANCS)					6. VALUE ADDED IN PRODUCERS' PRICES a/b/ (BILLION FRANCS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	16.5	13.5	12.1	12.5	...	5.1	4.5	2.8	2.9	...	210
220	Petroleum and gas	51.8	43.6	38.1	40.5	...	22.8	23.3	18.6	19.4	...	220
230	Metal ore mining	3.8	3.5	3.6	3.6	...	2.1	1.8	1.7	1.7	...	230
290	Other mining	11.6	12.0	12.8	13.1	...	5.6	5.9	6.3	6.3	...	290
2	Mining, quarrying .	83.6	72.6	66.6	69.7	...	35.7	35.4	29.4	30.2	...	2
311/2	Food products	457.7	458.7	478.6	503.5	...	118.0	117.7	125.6	135.5	...	311/2
313	Beverages	52.6	53.3	53.1	59.8	...	20.9	21.1	18.8	22.9	...	313
314	Tobacco	11.5	11.3	12.1	12.6	...	8.3	8.4	9.3	9.7	...	314
321	Textiles	109.5	107.3	109.5	113.5	...	40.7	42.7	42.4	43.6	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	68.6	69.1	69.2	70.7	...	30.0	30.7	30.8	30.9	...	322
323	Leather and products ...	11.9	12.4	12.6	13.3	...	5.1	5.6	5.3	5.3	...	323
324	Footwear	16.4	15.7	14.5	15.3	...	8.5	8.2	7.4	7.6	...	324
331	Wood products	41.3	43.3	46.8	49.4	...	16.0	16.6	17.8	17.2	...	331
332	Furniture, fixtures	37.4	39.2	42.3	45.0	...	16.5	16.9	18.2	18.9	...	332
341	Paper and products	81.2	85.8	94.4	100.3	...	27.6	29.1	31.1	32.2	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	119.9	130.8	140.8	156.6	...	50.8	56.6	60.3	65.8	...	342
351	Industrial chemicals ...	133.9	138.2	153.2	161.1	...	45.6	47.5	58.3	60.0	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	141.9	148.3	163.5	179.2	...	51.2	52.2	56.0	59.7	...	352
3522	Drugs and medicines ..	58.7	61.1	67.8	74.1	...	18.9	19.6	21.0	21.4	...	3522
353	Petroleum refineries ...	179.7	168.1	166.9	183.7	...	88.0	76.8	81.5	82.6	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	31.1	32.5	34.9	37.4	...	15.7	16.1	16.6	17.7	...	355
356	Plastic products n.e.c..	66.1	71.8	81.6	88.8	...	25.8	26.7	29.5	31.5	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	23.8	25.2	27.5	29.0	...	13.0	14.1	15.7	16.4	...	362
369	Non-metal products n.e.c	69.7	75.3	83.6	88.2	...	31.7	35.2	39.2	41.0	...	369
371	Iron and steel	130.9	126.8	144.7	161.5	...	34.8	35.3	41.3	44.8	...	371
372	Non-ferrous metals	72.0	71.2	83.6	94.5	...	23.6	23.8	28.3	31.6	...	372
381	Metal products	157.0	159.0	178.1	197.8	...	76.3	78.5	84.8	90.7	...	381
382	Machinery n.e.c.	259.3	265.3	289.4	321.7	...	109.0	108.1	116.3	126.5	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	229.4	240.8	257.6	273.6	...	111.8	114.5	118.5	122.2	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	345.2	374.0	408.7	460.2	...	114.1	122.7	135.5	153.3	...	384
3841	Shipbuilding, repair..	20.6	20.6	20.9	21.6	...	5.2	5.3	5.1	5.2	...	3841
3843	Motor vehicles	231.7	260.1	290.3	320.3	...	72.2	84.3	96.6	107.4	...	3843
385	Professional goods	30.7	33.0	36.0	40.1	...	17.1	18.6	20.0	21.9	...	385
390	Other industries	40.1	39.4	40.2	42.1	...	20.0	19.7	15.6	14.9	...	390
3	Manufacturing	2918.8	2995.9	3223.2	3498.9	...	1120.1	1143.4	1224.1	1304.4	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	181.2	188.3	190.8	201.7	...	118.1	122.6	122.9	124.2	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

Note. For description of classification, see country note.

a/ Contributions to the gross domestic product. b/ Excluding value-added tax.

ISIC	INDUSTRY	7. GROSS FIXED CAPITAL FORMATION TOTAL (BILLION FRANCS) 1986	1987	1988	1989	1990	8. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT (BILLION FRANCS) 1986	1987	1988	1989	1990	ISIC
210	Coal mining ..... a/	1.1	1.0	1.1	1.1	...	0.7	0.6	0.8	0.9	...	210
220	Petroleum and gas ..... b/	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining ..... c/d/	...	...	...	...	...	...	...	...	...	...	230
290	Other mining ..... e/	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products					...					...	311/2
313	Beverages	21.9	23.0	25.8	28.1	...	14.1	14.2	15.3	15.8	...	313
314	Tobacco					...					...	314
321	Textiles ..... f/	5.9	6.5	8.5	8.8	...	4.7	4.9	6.5	6.4	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... f/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	1.0	0.8	0.8	0.8	...	0.8	0.5	0.5	0.5	...	323
324	Footwear					...					...	324
331	Wood products	5.8	5.8	7.2	8.0	...	3.7	3.8	4.7	5.1	...	331
332	Furniture, fixtures .... g/					...					...	332
341	Paper and products	6.8	9.4	11.4	12.4	...	5.6	7.9	9.5	10.2	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	5.9	6.4	8.2	10.3	...	4.9	5.3	6.8	8.5	...	342
351	Industrial chemicals ...	8.5	10.1	11.5	13.7	...	6.7	7.4	8.4	10.0	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	6.2	6.3	7.4	8.2	...	4.4	4.4	5.0	5.3	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... b/	10.2	10.3	10.5	10.6	...	5.4	5.8	4.9	4.5	...	353
354	Petroleum,coal products. a/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	5.8	6.8	8.5	9.1	...	4.8	5.6	6.9	7.2	...	355
356	Plastic products n.e.c..					...					...	356
361	Pottery,china etc ..... e/	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	1.9	1.8	2.0	2.2	...	1.7	1.5	1.6	1.7	...	362
369	Non-metal products n.e.c e/	6.3	7.0	10.0	10.3	...	4.8	5.0	7.3	7.2	...	369
371	Iron and steel ..... c/	4.3	5.9	3.4	4.1	...	3.9	5.6	3.1	3.7	...	371
372	Non-ferrous metals ..... d/	10.0	11.7	12.2	13.4	...	8.2	10.5	10.8	11.6	...	372
381	Metal products	11.1	11.8	14.1	16.4	...	8.9	9.2	11.0	12.6	...	381
382	Machinery n.e.c. ..... h/	10.0	10.7	12.7	14.6	...	8.2	9.1	10.7	12.3	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	20.3	17.4	19.3	20.8	...	16.2	13.2	14.0	14.6	...	383
3832	Radio,television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	16.8	22.1	24.8	29.0	...	12.2	15.7	16.7	19.7	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods ..... h/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries ..... g/	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing . ... i/	159.8	174.7	199.1	221.7	...	119.7	130.3	144.5	157.6	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	49.0	47.1	47.8	47.0	...	14.8	16.4	13.6	11.4	...	4
2-4	All industry	209.9	222.8	248.0	269.8	...	135.2	147.3	158.9	169.9	...	2-4

Note. For description of classification, see country note.

a/ Major group 354 is included in 210.
b/ Major group 220 is included in 353.
c/ Iron ore mining is included in major group 371.
d/ Non-ferrous metal ore mining is included in major group 372.
e/ Major groups 290 and 361 are included in 369.
f/ Major group 322 is included in 321.
g/ Major group 390 is included in 331 and 332 combined.
h/ Major group 385 is included in 382.
i/ Including mining.

FRANCE

9. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	96	94	91	82	79	76	66	65	60	-6.2	210
220	Petroleum and gas	93	94	96	94	85	85	80	77	74	-3.7	220
230	Metal ore mining ..... b/c/	86	85	84	85	79	79	76	70	63	-5.6	230
290	Other mining	90	85	83	83	81	82	88	88	89	-1.4	290
2	Mining, quarrying .	93	91	90	86	81	81	77	75	72	-4.0	2
311/2	Food products	107	104	107	107	106	109	112	114	119	2.2	311/2
313	Beverages	98	100	104	106	109	113	118	126	126	2.9	313
314	Tobacco	86	85	82	91	81	74	72	73	75	-3.5	314
321	Textiles	91	89	89	86	84	81	80	80	77	-3.2	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	98	97	93	94	94	87	79	75	72	-4.0	322
323	Leather and products ...	98	92	88	82	80	77	68	69	64	-5.4	323
324	Footwear	100	103	100	99	96	88	79	80	83	-2.3	324
331	Wood products	85	86	82	81	81	86	93	100	99	-0.1	331
332	Furniture, fixtures	101	91	84	80	82	83	87	89	91	-1.2	332
341	Paper and products	102	104	109	109	112	117	124	130	133	3.6	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	103	108	111	112	118	126	139	146	143	4.6	342
351	Industrial chemicals ...	101	108	113	113	114	118	122	126	123	2.6	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	108	112	118	121	122	127	137	150	156	5.7	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	73	67	67	67	64	61	66	65	66	-5.1	353
354	Petroleum,coal products.	90	77	81	78	74	68	68	67	66	-5.1	354
355	Rubber products	84	85	86	86	87	88	94	98	98	-0.3	355
356	Plastic products n.e.c..	105	112	115	120	129	139	150	160	169	6.8	356
361	Pottery,china etc	94	87	81	83	84	79	83	80	86	-1.9	361
362	Glass and products	98	100	100	100	95	97	100	103	109	1.1	362
369	Non-metal products n.e.c	85	81	78	76	78	81	87	88	88	-1.6	369
371	Iron and steel	84	78	81	80	76	75	81	83	81	-2.6	371
372	Non-ferrous metals ..... c/	96	95	92	89	92	95	100	105	106	0.7	372
381	Metal products	95	91	87	87	88	89	94	99	100	0.0	381
382	Machinery n.e.c.	93	90	86	86	81	84	91	98	104	0.5	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	105	105	108	111	112	112	116	120	126	2.9	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	101	98	92	87	91	94	103	110	110	1.2	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	100	101	105	107	108	108	114	116	117	2.0	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	97	96	97	97	98	99	104	108	110	1.2	3
410	Electricity,gas,steam ..	106	113	122	130	136	141	145	150	154	5.5	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	98	98	100	101	101	103	108	112	114	1.7	2-4

a/ Annual growth rate 1982-1990.
b/ Iron ore only.
c/ Non-ferrous metal mining is included in major group 372.

GERMANY 1/

Through accession of the German Democratic Republic to the Federal Republic of Germany with effect from 3 October 1990, the two German States have united to form one sovereign State. As from the date of unification, the Federal Republic of Germany acts in the United Nations under the designation of *Germany*.

All data for Germany in the tables pertain to 1990 or earlier and are shown separately for the Federal Republic of Germany, as defined prior to 3 October 1990, and for the former German Democratic Republic.

1/ See also country nomenclature on page 7.

GERMAN DEMOCRATIC REPUBLIC 1/

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Staatliche Zentralverwaltung für Statistik, Berlin. The concepts and definitions are generally in accordance with United Nations standards. The estimates are presented according to broad groupings of the national classification of enterprises.

The estimates cover activities in mining, manufacturing, electricity, gas and water in the industrial sector. The industrial sector comprises socialist industry (State enterprises and co-operatives), and semi-State and private industrial enterprises; handicrafts are excluded. All enterprises in which the main activity is industrial production are covered. Enterprises carrying on industrial production subsidiary to another major activity are not counted as industrial.

The number of enterprises as of 31 December of each year is given in table 1. The figures relate to the number of all legally independent enterprises, plus the number of enterprises forming parts of public combines, allocated to branches according to the specific product of the individual enterprise.

The employment estimates refer to the number of production workers and other employees employed by the enterprise in accordance with labour legislation. Included are homeworkers and persons working reduced hours under terms of a labour contract. Persons working under apprenticeship or training contracts for the purpose of attaining professional qualifications are not counted. The estimates relate to annual averages.

The estimates of wages and salaries relate to the average monthly income per employee and per operative in socialist industry.

The output for 1981 is at the constant planned prices of 1980, based on factory prices of 1 January 1980. Beginning 1982, estimates are at current prices. Output comprises the value of (a) all industrial products completed and intended for the market (including goods made available to employees free of charge or at a reduced rate), (b) all material services of an industrial nature provided to others (contract labour, repairs, installation etc.), (c) finished products and material services of an industrial nature intended for purposes of investment or capital repairs and (d) changes in stocks as a result of uncompleted production. It does not include articles produced in the enterprise which are further processed in the same enterprise, current repairs, articles produced for use in the enterprise and used up within a year, general research and development services; rejects and waste, commercial articles and packing materials included in the price of the product and non-industrial products and services (construction, transport services etc.).

The estimates of gross fixed capital formation relate to investments valued on the price basis for 1985. Capital repairs are not included.

The indices of industrial production are compiled by the State Central Administration for Statistics and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover all industrial establishments.

The data include the relevant data relating to Berlin for which separate data have not been supplied. This is without prejudice to any question of status which may be involved.

Related national publications:

Statistisches Jahrbuch der Deutschen Demokratischen Republik; Statistical Pocket Book of the German Democratic Republic, both published by the Staatliche Zentralverwaltung für Statistik, Berlin.

1/ Former German Democratic Republic; see note, page 207.

ISIC	INDUSTRY	1. NUMBER OF ENTERPRISES (NUMBER)					2. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	b/ 49	b/ 49	13	13	...	b/ 226	b/ 227	b/ 229	b/ 229	...	210
220	Petroleum and gas	c/	c/	2	2	...	c/	c/	c/	c/	...	220
230	Metal ore mining	d/	d/	7	7	...	d/	d/	d/	d/	...	230
290	Other mining	e/	e/	62	61	...	e/	e/	e/	e/	...	290
2	Mining, quarrying	...	...	84	83	...	...	...	...	...	...	2
311/2	Food products			460	464	...					...	311/2
313	Beverages	558	558	109	107	...	276	276	277	276	...	313
314	Tobacco			8	8	...					...	314
321	Textiles	171	168	167	163	...	219	217	216	275	...	321
3211	Spinning, weaving etc.	...	...	91	89	...	...	...	...	...	...	3211
322	Wearing apparel			117	116	...					...	322
323	Leather and products			87	87	...					...	323
324	Footwear	f/ 755	f/ 743	29	28	...	f/ 488	f/ 487	f/ 492	f/ 486	...	324
331	Wood products			118	111	...					...	331
332	Furniture, fixtures			109	101	...					...	332
341	Paper and products			77	77	...					...	341
3411	Pulp, paper etc.	...	...	19	20	...	...	...	...	...	...	3411
342	Printing, publishing	f/ c/e/g/	f/ c/e/g/	40 h/	39 h/	...	f/ c/e/g/	f/ c/e/g/	f/ c/e/g/	f/ c/e/g/	...	342
351	Industrial chemicals	241	242	96	94	...	339	337	335	332	...	351
3511	Basic excl fertilizers	...	...	15	14	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	75	74	...	...	...	...	...	...	3513
352	Other chemical products	c/	c/	98	97	...	c/	c/	c/	c/	...	352
3522	Drugs and medicines	...	...	21	19	...	...	...	...	...	...	3522
353	Petroleum refineries	c/	c/	6	6	...	c/	c/	c/	c/	...	353
354	Petroleum, coal products	c/	c/	2	i/ 1	...	c/	c/	c/	c/	...	354
355	Rubber products	c/	c/	24	23	...	c/	c/	c/	c/	...	355
356	Plastic products n.e.c.	c/	c/	h/	h/	...	c/	c/	c/	c/	...	356
361	Pottery, china etc	f/	f/	23	23	...	f/	f/	f/	f/	...	361
362	Glass and products	f/	f/	47	47	...	f/	f/	f/	f/	...	362
369	Non-metal products n.e.c	e/ 144	e/ 136	81	80	...	e/ 95	e/ 94	e/ 94	e/ 92	...	369
371	Iron and steel	d/ 42	d/ 42	26	26	...	d/ 138	d/ 138	d/ 138	d/ 136	...	371
372	Non-ferrous metals			10	10	...					...	372
381	Metal products	j/ 1164	j/ 1163	320	323	...	j/ 977	j/ 967	j/ 970	j/ 963	...	381
382	Machinery n.e.c.	k/	k/	679	674	...	k/	k/	k/	k/	...	382
3825	Office, computing etc.	k/	k/	13	15	...	...	...	...	...	...	3825
383	Electrical machinery	k/l/ 309	k/l/ 306	200	198	...	k/i/ 467	k/i/ 468	k/i/ 463	k/i/ 462	...	383
3832	Radio, television etc.	...	...	73	71	...	...	...	...	...	...	3832
384	Transport equipment	j/	j/	171	170	...	j/	j/	j/	j/	...	384
3841	Shipbuilding, repair	...	...	17	17	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	140	139	...	...	...	...	...	...	3843
385	Professional goods	l/	l/	85	83	...	l/	l/	l/	l/	...	385
390	Other industries	f/	f/	85	85	...	f/	f/	f/	f/	...	390
3	Manufacturing	...	...	3274	3241	...	...	...	...	...	...	3
410	Electricity, gas, steam	g/	g/	34	34	...	g/	g/	g/	g/	...	410
4101	Electricity	b/	b/	30	30	...	b/	b/	b/	b/	...	4101
420	Water works and supply	16	16	16	16	...	25	26	26	27	...	420
4	Electricity, gas etc	...	...	50	50	...	...	...	...	...	...	4
2-4	All industry	3449	3423	3408	3374	...	3251	3238	3240	3279	...	2-4

a/ Including homeworkers.
b/ Electricity is included in major group 210.
c/ Major groups 220 and 352 to 356 are included in 351.
d/ Major group 230 is included in 371 and 372 combined.
e/ Part of major group 290 is included in 351 and part in 369.
f/ Major groups 342, 361, 362 and 390 are included in 322 to 341 combined.
g/ Gas manufacture and distribution is included in major group 351.
h/ Major group 356 is included in 351.
i/ Calculated as total minus sum of the parts.
j/ Major group 384 is included in 381 and 382 combined.
k/ Manufacture of office, computing and accounting machinery is included in major group 383.
l/ Major group 385 is included in 383

GERMAN DEMOCRATIC REPUBLIC

ISIC	INDUSTRY		3. WAGES AND SALARIES OF EMPLOYEES a/ (MARKS)					4. AVERAGE NUMBER OF OPERATIVES b/ (THOUSANDS)					ISIC
			1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	c/	1296	1394	1440	1470	...	143	143	142	142	...	210
220	Petroleum and gas	d/	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	e/	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	f/	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .		...	...	...	...	...	...	...	...	...	...	2
311/2	Food products		[				...	[				...	311/2
313	Beverages		1129	1186	1223	1263	...	172	171	170	170	...	313
314	Tobacco		]			]	...	]			]	...	314
321	Textiles		1073	1144	1195	1229	...	157	155	154	153	...	321
3211	Spinning,weaving etc..		...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel		[				...	[				...	322
323	Leather and products ...						...					...	323
324	Footwear						...					...	324
331	Wood products	g/	1095	1157	1194	1227	...	340	338	341	336	...	331
332	Furniture, fixtures						...					...	332
341	Paper and products		]			]	...	]			]	...	341
3411	Pulp,paper etc.		...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	g/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	d/f/h/	1214	1286	1326	1367	...	197	196	194	193	...	351
3511	Basic excl fertilizers		...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .		...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	d/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..		...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	d/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	d/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	d/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	d/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	g/	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	g/	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	f/	1150	1213	1243	1278	...	66	66	65	64	...	369
371	Iron and steel	e/	[				...	[				...	371
372	Non-ferrous metals		1267	1334	1375	1398	...	88	88	87	86	...	372
381	Metal products	i/	[				...	[				...	381
382	Machinery n.e.c.	j/	1217	1279	1316	1345	...	566	560	559	554	...	382
3825	Office,computing etc..		...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	j/k/	1202	1261	1301	1326	...	263	262	257	257	...	383
3832	Radio,television etc..		...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	i/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..		...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles		...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	k/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	g/	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing		...	...	...	...	...	...	...	...	...	...	3
410	Electricity,gas,steam ..	h/	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	c/	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .		1085	1155	1221	1267	...	16	16	16	16	...	420
4	Electricity,gas etc		...	...	...	...	...	...	...	...	...	...	4
2-4	All industry		1185	1251	1290	1322	...	2008	1994	1986	1971	...	2-4

a/ Monthly average per employee. Estimates relate to socialist industry.
b/ Including homeworkers.
c/ Electricity is included in major group 210.
d/ Major groups 220 and 352 to 356 are included in 351.
e/ Major group 230 is included in 371 and 372 combined.
f/ Part of major group 290 is included in 351 and part in 369.
g/ Major groups 342, 361, 362 and 390 are included in 322 to 341 combined.
h/ Gas manufacture and distribution is included in major group 351.
i/ Major group 384 is included in 381 and 382 combined.
j/ Manufacture of office, computing and accounting machinery is included in major group 383.
k/ Major group 385 is included in 383.

ISIC	INDUSTRY	5. WAGES AND SALARIES OF OPERATIVES a/ (MARKS)					6. QUANTITY OF ELECTRICITY CONSUMED (MILLION KWH)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	b/ 1277	b/ 1381	b/ 1434	b/ 1453	...	b/ 20702	b/ 20722	6808	6806	...	210
220	Petroleum and gas	c/	c/	c/	c/	...	c/	c/	77	73	...	220
230	Metal ore mining	d/	d/	d/	d/	...	d/	d/	1045	1012	...	230
290	Other mining	e/	e/	e/	e/	...	e/	e/	2082	2027	...	290
2	Mining, quarrying	...	...	...	...	...	...	...	10012	9918	...	2
311/2	Food products					...			2149	2196	...	311/2
313	Beverages	1128	1186	1222	1259	...	2659	2717	560	557	...	313
314	Tobacco					...			28	27	...	314
321	Textiles	1042	1112	1164	1199	...	1627	1657	1704	1736	...	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	1379	1401	...	3211
322	Wearing apparel					...			236	243	...	322
323	Leather and products					...			112	113	...	323
324	Footwear	f/ 1063	f/ 1124	f/ 1161	f/ 1194	...	f/ 4483	f/ 4524	70	70	...	324
331	Wood products					...			528	511	...	331
332	Furniture, fixtures					...			365	374	...	332
341	Paper and products					...			1800	1790	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	1535	1527	...	3411
342	Printing,publishing	f/	f/	f/	f/	...	f/	f/	161	160	...	342
351	Industrial chemicals	c/e/g/ 1179	c/e/g/ 1258	c/e/g/ 1300	c/e/g/ 1334	...	c/e/g/ 20940	c/e/g/ 20212	h/ 12815	h/ 12659	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	4665	4483	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	7922	7952	...	3513
352	Other chemical products	c/	c/	c/	c/	...	c/	c/	1002	1020	...	352
3522	Drugs and medicines	...	...	...	...	...	...	...	124	133	...	3522
353	Petroleum refineries	c/	c/	c/	c/	...	c/	c/	5144	5125	...	353
354	Petroleum,coal products	c/	c/	c/	c/	...	c/	c/	396	i/ 424	...	354
355	Rubber products	c/	c/	c/	c/	...	c/	c/	483	492	...	355
356	Plastic products n.e.c.	c/	c/	c/	c/	...	c/	c/	h/	h/	...	356
361	Pottery,china etc	f/	f/	f/	f/	...	f/	f/	175	129	...	361
362	Glass and products	f/	f/	f/	f/	...	f/	f/	948	939	...	362
369	Non-metal products n.e.c	e/ 1142	e/ 1209	e/ 1235	e/ 1267	...	e/ 2492	e/ 2510	2076	2113	...	369
371	Iron and steel	d/ 1265	d/ 1329	d/ 1362	d/ 1386	...	d/ 6919	d/ 6985	5302	5199	...	371
372	Non-ferrous metals					...			604	616	...	372
381	Metal products	j/ 1194	j/ 1259	j/ 1293	j/ 1374	...	j/ 6260	j/ 6321	1772	1911	...	381
382	Machinery n.e.c.	k/	k/	k/	k/	...			3633	3666	...	382
3825	Office,computing etc.	...	...	...	...	...	...	...	211	224	...	3825
383	Electrical machinery	k/i/ 1138	k/i/ 1193	k/i/ 1230	k/i/ 1248	...	i/ 2123	i/ 2228	1640	1662	...	383
3832	Radio,television etc.	...	...	...	...	...	...	...	858	870	...	3832
384	Transport equipment	j/	j/	j/	j/	...	j/	j/	1183	1182	...	384
3841	Shipbuilding, repair	...	...	...	...	...	...	...	185	185	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	819	820	...	3843
385	Professional goods	l/	l/	l/	l/	...	l/	l/	451	456	...	385
390	Other industries	f/	f/	f/	f/	...	f/	f/	216	223	...	390
3	Manufacturing	...	...	...	...	...	...	...	45553	45593	...	3
410	Electricity,gas,steam	g/	g/	g/	g/	...	g/	g/	14096	14035	...	410
4101	Electricity	b/	b/	b/	b/	...	b/	b/	11716	11757	...	4101
420	Water works and supply	1028	1095	1163	1201	...	1345	1363	1398	1432	...	420
4	Electricity,gas etc	...	...	...	...	...	b/	b/	15494	15467	...	4
2-4	All industry	1155	1222	1260	1287	...	m/ 69600	m/ 69239	m/ 71059	m/ 70978	...	2-4

a/ Monthly average per operative. Estimates relate to socialist industry.
b/ Electricity is included in major group 210.
c/ Major groups 220 and 352 to 356 are included in 351.
d/ Major group 230 is included in 371 and 372 combined.
e/ Part of major group 290 is included in 351 and part in 369.
f/ Major groups 342, 361, 362 and 390 are included in 322 to 341 combined.
g/ Gas manufacture and distribution is included in major group 351.
h/ Major group 356 is included in 351.
i/ Calculated as total minus sum of the parts.
j/ Major group 384 is included in 381 and 382 combined.
k/ Manufacture of office, computing and accounting machinery is included in major group 383.
l/ Major group 385 is included in 383.
m/ Including consumption for own use of the power stations.

ISIC	INDUSTRY	7. OUTPUT (BILLION MARKS) 1986	1987	1988	1989	1990	8. GROSS FIXED CAPITAL FORMATION TOTAL (MILLION MARKS) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	b/ 39.3	b/ 39.5	12.1	11.4	...	b/ 9276	b/ 10386	b/ 10346	b/ 10337	...	210
220	Petroleum and gas	c/	c/	3.0	2.6	...	c/	c/	c/	c/	...	220
230	Metal ore mining	d/	d/	6.9	6.9	...	d/	d/	d/	d/	...	230
290	Other mining	e/	e/	7.3	7.2	...	e/	e/	e/	e/	...	290
2	Mining, quarrying	...	...	29.3	28.1	...	...	...	...	...	...	2
311/2	Food products	[		63.9	64.6	...	[			]	...	311/2
313	Beverages	80.2	82.1	14.4	14.5	...	1925	2155	2347	2210	...	313
314	Tobacco	]		4.8	4.7	...	]				...	314
321	Textiles	31.6	32.4	33.5	34.3	...	1661	1522	1766	1270	...	321
3211	Spinning, weaving etc.	...	...	23.2	23.6	...	...	...	...	...	...	3211
322	Wearing apparel	[		9.7	10.1	...	[			]	...	322
323	Leather and products			4.7	4.7	...					...	323
324	Footwear	f/ 51.3	f/ 53.4	3.4	3.4	...	f/ 2773	f/ 2729	f/ 3277	f/ 3115	...	324
331	Wood products			5.4	5.4	...					...	331
332	Furniture, fixtures			8.4	8.7	...					...	332
341	Paper and products	]		10.6	10.8	...	]			]	...	341
3411	Pulp, paper etc.	...	...	6.4	6.4	...	...	...	...	...	...	3411
342	Printing, publishing	f/	f/	3.1	3.1	...	f/	f/	f/	f/	...	342
351	Industrial chemicals	c/e/g/ 105.0	c/e/g/ 107.3	h/ 34.1	h/ 34.7	...	c/e/g/ 6709	c/e/g/ 6992	c/e/g/ 7310	c/e/g/ 5835	...	351
3511	Basic excl fertilizers	...	...	10.5	10.5	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	20.6	20.6	...	...	...	...	...	...	3513
352	Other chemical products	c/	c/	19.2	19.5	...	c/	c/	c/	c/	...	352
3522	Drugs and medicines	...	...	5.8	5.8	...	...	...	...	...	...	3522
353	Petroleum refineries	c/	c/	35.8	25.2	...	c/	c/	c/	c/	...	353
354	Petroleum, coal products	c/	c/	4.4	3.4 i/	...	c/	c/	c/	c/	...	354
355	Rubber products	c/	c/	7.8	7.8	...	c/	c/	c/	c/	...	355
356	Plastic products n.e.c.	c/	c/	h/	h/	...	c/	c/	c/	c/	...	356
361	Pottery, china etc	f/	f/	1.3	1.3	...	f/	f/	f/	f/	...	361
362	Glass and products	f/	f/	4.9	4.9	...	f/	f/	f/	f/	...	362
369	Non-metal products n.e.c	e/ 10.5	e/ 10.7	8.2	8.2	...	e/ 658	e/ 676	e/ 801	e/ 918	...	369
371	Iron and steel	[d/	d/	33.2	30.9	...	[d/	d/	d/	d/	...	371
372	Non-ferrous metals	48.5	50.3]	9.1	8.9	...	1663	1782	1645	1857]	...	372
381	Metal products	[j/	j/	21.7	22.2	...	[j/	j/	j/	j/	...	381
382	Machinery n.e.c.	105.6	107.8]	69.0	70.8	...	6510 k/	8669 k/	9705 k/	10464 k/]	...	382
3825	Office, computing etc.	...	...	5.3	6.8	...	...	...	...	...	...	3825
383	Electrical machinery	i/ 42.2	i/ 46.8	34.4	35.2	...	k/i/ 2849	k/i/ 3692	k/i/ 4652	k/i/ 6152	...	383
3832	Radio, television etc.	...	...	16.8	17.1	...	...	...	...	...	...	3832
384	Transport equipment	j/	j/	26.7	28.3	...	j/	j/	j/	j/	...	384
3841	Shipbuilding, repair	...	...	4.8	4.9	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	17.7	19.3	...	...	...	...	...	...	3843
385	Professional goods	l/	l/	9.4	9.6	...	l/	l/	l/	l/	...	385
390	Other industries	f/	f/	4.2	4.3	...	f/	f/	f/	f/	...	390
3	Manufacturing	...	...	485.3	479.5	...	...	...	...	...	...	3
410	Electricity, gas, steam	g/	g/	27.6	27.9	...	g/	g/	g/	g/	...	410
4101	Electricity	b/	b/	20.7	21.3	...	b/	b/	b/	b/	...	4101
420	Water works and supply	3.1	3.1	3.2	3.2	...	1982	2009	2149	2353	...	420
4	Electricity, gas etc	b/	b/	30.8	31.1	...	...	...	...	...	...	4
2-4	All industry	517.7	533.4	545.4	538.7	...	36006	40612	43998	44511	...	2-4

a/ At prices of 1985.
b/ Electricity is included in major group 210.
c/ Major groups 220 and 352 to 356 are included in 351.
d/ Major group 230 is included in 371 and 372 combined.
e/ Part of major group 290 is included in 351 and part in 369.
f/ Major groups 342, 361, 362 and 390 are included in 322 to 341 combined.
g/ Gas manufacture and distribution is included in major group 351.
h/ Major group 356 is included in 351.
i/ Calculated as total minus sum of the parts.
j/ Major group 384 is included in 381 and 382 combined.
k/ Manufacture of office, computing and accounting machinery is included in major group 383.
l/ Major group 385 is included in 383.

9. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/ (MILLION MARKS)

ISIC	INDUSTRY		1986	1987	1988	1989	1990	ISIC
210	Coal mining	b/	5112	6257	6179	6329	...	210
220	Petroleum and gas	c/	...	...	...	...	...	220
230	Metal ore mining	d/	...	...	...	...	...	230
290	Other mining	e/	...	...	...	...	...	290
2	Mining, quarrying		...	...	...	...	...	2
311/2	Food products						...	311/2
313	Beverages		1309	1500	1628	1517	...	313
314	Tobacco						...	314
321	Textiles		1411	1227	1485	928	...	321
3211	Spinning,weaving etc.		...	...	...	...	...	3211
322	Wearing apparel						...	322
323	Leather and products						...	323
324	Footwear						...	324
331	Wood products	f/	2161	2127	2530	2262	...	331
332	Furniture, fixtures						...	332
341	Paper and products						...	341
3411	Pulp,paper etc.		...	...	...	...	...	3411
342	Printing,publishing	f/	...	...	...	...	...	342
351	Industrial chemicals	c/e/g/	4710	5128	5608	4236	...	351
3511	Basic excl fertilizers		...	...	...	...	...	3511
3513	Synthetic resins etc		...	...	...	...	...	3513
352	Other chemical products.	c/	...	...	...	...	...	352
3522	Drugs and medicines		...	...	...	...	...	3522
353	Petroleum refineries	c/	...	...	...	...	...	353
354	Petroleum,coal products.	c/	...	...	...	...	...	354
355	Rubber products	c/	...	...	...	...	...	355
356	Plastic products n.e.c.	c/	...	...	...	...	...	356
361	Pottery,china etc	f/	...	...	...	...	...	361
362	Glass and products	f/	...	...	...	...	...	362
369	Non-metal products n.e.c	e/	376	419	537	610	...	369
371	Iron and steel	d/	971	1143	1113	1310	...	371
372	Non-ferrous metals						...	372
381	Metal products	h/	4694	6783	7594	8381	...	381
382	Machinery n.e.c.	i/					...	382
3825	Office,computing etc.		...	...	...	...	...	3825
383	Electrical machinery	i/j/	2159	2852	3559	5016	...	383
3832	Radio,television etc.		...	...	...	...	...	3832
384	Transport equipment	h/	...	...	...	...	...	384
3841	Shipbuilding, repair		...	...	...	...	...	3841
3843	Motor vehicles		...	...	...	...	...	3843
385	Professional goods	j/	...	...	...	...	...	385
390	Other industries	f/	...	...	...	...	...	390
3	Manufacturing		...	...	...	...	...	3
410	Electricity,gas,steam	g/	...	...	...	...	...	410
4101	Electricity	b/	...	...	...	...	...	4101
420	Water works and supply		268	267	285	345	...	420
4	Electricity,gas etc		...	...	...	...	...	4
2-4	All industry		23171	27703	30518	30934	...	2-4

a/ At prices of 1985.
b/ Electricity is included in major group 210.
c/ Major groups 220 and 352 to 356 are included in 351.
d/ Major group 230 is included in 371 and 372 combined.
e/ Part of major group 290 is included in 351 and part in 369.
f/ Major groups 342, 361, 362 and 390 are included in 322 to 341 combined.
g/ Gas manufacture and distribution is included in major group 351.
h/ Major group 384 is included in 381 and 382 combined.
i/ Manufacture of office, computing and accounting machinery is included in major group 383.
j/ Major group 385 is included in 383.

GERMAN DEMOCRATIC REPUBLIC

10. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	RATE a/	ISIC
210	Coal mining	113	116	124	130	128	124	125	121	78	-3.1	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	106	109	115	118	120	119	120	116	82	-2.5	2
311/2	Food products											311/2
313	Beverages	101	104	107	110	113	113	114	115	66	-5.1	313
314	Tobacco											314
321	Textiles	104	105	107	109	111	114	117	119	74	-3.7	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	102	112	113	113	113	118	129	133	67	-4.9	322
323	Leather and products ...	104	107	106	110	113	116	122	123	70	-4.4	323
324	Footwear											324
331	Wood products	101	107	114	117	119	122	126	129	72	-4.0	331
332	Furniture, fixtures											332
341	Paper and products	103	109	115	117	121	125	131	131	47	-9.0	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	98	96	100	103	105	106	106	107	93	-0.9	342
351	Industrial chemicals ... b/	99	103	108	112	113	114	120	122	63	-5.6	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. b/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	104	104	106	111	113	114	117	121	73	-3.9	353
354	Petroleum,coal products.											354
355	Rubber products	99	104	111	116	118	126	129	132	57	-6.8	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	109	108	115	128	138	146	150	151	75	-3.5	361
362	Glass and products											362
369	Non-metal products n.e.c	94	96	98	100	103	106	109	109	71	-4.2	369
371	Iron and steel	107	108	108	112	113	117	117	116	69	-4.5	371
372	Non-ferrous metals											372
381	Metal products ..... c/	108	112	116	122	127	133	140	145	77	-3.2	381
382	Machinery n.e.c.											382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... d/	117	126	139	153	163	175	187	196	73	-3.9	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... c/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods ..... d/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing ..... e/	105	109	114	119	123	127	131	135	95	-0.6	3
410	Electricity,gas,steam .. f/	105	111	115	118	121	123	124	124	73	-3.9	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	109	109	107	108	111	111	112	114	101	0.1	420
4	Electricity,gas etc	105	111	114	118	121	122	123	123	93	-0.9	4
2-4	All industry e/f/g/	105	110	114	119	123	126	130	133	94	-0.8	2-4

a/ Annual growth rate 1982-1990.
b/ Major group 352 is included in 351.
c/ Major group 384 is included in 381 and 382 combined.
d/ Major group 385 is included in 383.
e/ Excluding publishing.
f/ Excluding gas manufacture and distribution.
g/ Including fishing.

GERMANY, FEDERAL REPUBLIC OF 1/

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Statistisches Bundesamt, Wiesbaden. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

In general, the estimates for mining and manufacturing are derived from the monthly industry inquiry carried out by the Statistisches Bundesamt. The inquiry covers, on a complete enumeration basis, local units of enterprises with 20 or more persons engaged, including non-industrial activities of the units and licensed handicrafts as well. The estimates for electricity, gas and water are obtained from annual surveys with all enterprises with 20 or more persons engaged.

The estimates, which are based on the national classification scheme (Systematik der Wirtschaftszweige, Fassung fur die Statistik im Produzierenden Gewerbe-SYPRO), have been adjusted to the present version of ISIC, in so far as details permit. The differences between the national scheme and ISIC are set out in the following paragraph.

Prefabricated building manufacturing, classified as construction under the national scheme, is not generally included; publishing (ISIC 342) is not surveyed; manufacture of natural stone products (ISIC 369) is included in ISIC 290; manufacture of mattresses (ISIC 332) in ISIC 321; manufacture of umbrellas (ISIC 390) in ISIC 322; manufacture of fur wearing apparel (ISIC 322) in ISIC 323; bookbinding (ISIC 342) in ISIC 341; manufacture of mixed lubricating oils and greases (ISIC 353, 354) in ISIC 351 and 352 combined; manufacture of unprocessed plastic pipes and tubes (ISIC 351) in ISIC 356; founding and casting of non-ferrous metals (ISIC 372) and surface refinement and hardening plants (ISIC 381) in ISIC 371; manufacture of drawn steel wire and forged steel chains (ISIC 371), washing machines (ISIC 382), railroad equipment (ISIC 3842) and assembly and repair of ventilation, heating and sanitary systems (ISIC major division 5) in ISIC 381; manufacture of lighting glassware (ISIC 362), recording of master tapes and records (ISIC major division 9) and manufacture of electric and electronic measuring instruments and meters (ISIC 385) in ISIC 383. The estimates of value added are generally compiled in the same manner as those for the inquiries but quarrying is included in ISIC 369, prefabricated building manufacturing is excluded for all years, erection of structural steel is included in ISIC 381 and the difference in respect of assembly and repair of ventilation, heating and sanitary systems has been adjusted.

The employment figures, in all cases, are annual averages. The number of persons engaged includes working proprietors and unpaid family workers if they are actively engaged for at least one third of the usual working time. Apprentices are included; all tables shown for operatives include data relating to industrial apprentices. Operatives are defined as persons engaged who are subject to obligatory insurance in the workers' old age insurance funds. Homeworkers are not included in the estimates.

The quantity of electricity consumed shown for the electricity industry relates only to own consumption of power generating plants and does not include other power consumption of public power supply enterprises.

The figures of output relate to turnover from own production, including proceeds from non-industrial activities, such as the sale of goods sold in the same condition as received and the sale of waste, power and similar items. The value of shipments effected inside an enterprise consisting of several local units is not recorded. The valuation is based on invoice values and includes excise duties and costs for freight, packing, postage and other charges. The value-added tax is not included.

1/ As defined prior to 3 October 1990; see note, page 207.

The estimates of value added are derived from cost structure of enterprises in mining and manufacturing and cost structure of enterprises of power and water supply; they cover enterprises with 20 or more persons engaged, including production of handicrafts. The calculations are generally based on the gross value of production comprising the value of current sales of goods and services, including goods sold as purchased and the consumption of entrepreneurs, changes in stocks of semi-finished and finished goods from own production and own-account construction. Value added in producers' prices is obtained by subtracting from the gross value of production the cost of intermediate goods and services. These are goods and services, including goods sold as purchased, received from other economic units and used for production purposes. The value added estimates are valued exclusive of the value added tax and other taxes or duties linked to imports, and they include imputed bank service charges.

The estimates of gross fixed capital formation and value of stocks are derived from annual surveys of enterprises with 20 or more persons engaged. For gross fixed capital formation, the figures shown represent gross increases in new and used fixed assets during each year, excluding capitalized research and development expenditure and advance payments on investment goods not yet supplied.

The indices of industrial production are compiled by the Statistisches Bundesamt and provided in response to the United Nations Questionnaire on Indices of Industrial Production. The indices cover all local units of enterprises with, in general, 20 or more persons engaged, including production handicrafts.

The data include the relevant data relating to Berlin for which separate data have not been supplied. This is without prejudice to any question of status which may be involved.

Related national publications:

Fachserie 4, Reihe 4.1.1, Beschäftigung, Umsatz und Energieversorgung der Unternehmen und Betriebe im Bergbau und im Verarbeitenden Gewerbe (monthly/annual); Fachserie 4, Reihe 4.2.1, Beschäftigte, Umsatz und Investitionen der Unternehmen und Betriebe im Bergbau und im Verarbeitenden Gewerbe; Fachserie 4, Reihe 4.3.1, Kostenstruktur der Unternehmen im Grundstoff - und Produktionsgütergewerbe Reihe 4.3.2, Kostenstruktur der Unternehmen im Investitionsgüter produzierenden Gewerbe, Reihe 4.3.3 Kostenstruktur der Unternehmen im Verbrauchsgüter produzierenden Gewerbe und im Nahrungs- und Genussmittelgewerbe; Reihe 6.1 Beschäftigung, Umsatz, Investitionen und Kostenstruktur der Unternehmen in der Energie- und Wasserversorgung; Statistisches Jahrbuch für die Bundesrepublik Deutschland, all published by the Statistisches Bundesamt, Wiesbaden.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/b/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/b/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	129	126	124	118	121	186	181	172	163	154	210
220	Petroleum and gas	47	46	47	48	48	7	7	6	6	6	220
230	Metal ore mining	6	6	7	5	5	2	1	2	1	1	230
290	Other mining	1221	1236	1221	1237	1233	36	36	35	36	36	290
2	Mining, quarrying .	1403	1414	1399	1408	1407	231	225	215	206	196	2
311/2	Food products	3327	3350	3329	3590	3648	335	338	339	354	376	311/2
313	Beverages	965	931	909	897	877	90	88	86	85	87	313
314	Tobacco	56	55	54	50	50	18	17	17	16	16	314
321	Textiles	1960	1930	1882	1839	1789	243	238	234	232	229	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	2060	1958	1875	1851	1755	167	159	151	148	143	322
323	Leather and products ...	374	363	341	336	316	25	24	22	21	21	323
324	Footwear	314	288	273	258	233	43	39	35	33	30	324
331	Wood products ..... c/	[4050	3934	3849	4065	4055	224	222	225	238	246]	331
332	Furniture, fixtures											332
341	Paper and products	1009	1001	1004	1046	1072	150	150	151	156	163	341
3411	Pulp,paper etc.	168	164	165	163	165	49	48	49	49	51	3411
342	Printing,publishing	1919	1905	1926	2050	2126	163	165	167	173	180	342
351	Industrial chemicals ... d/	1561	1560	1570	1594	1608	570	574	578	585	594	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products d	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[82	79	77	80	81	27	27	26	24	23]	353
354	Petroleum,coal products.											354
355	Rubber products	266	267	264	268	274	97	98	97	98	98	355
356	Plastic products n.e.c..	2014	2065	2130	2273	2366	219	228	242	262	286	356
361	Pottery,china etc	163	164	165	167	165	36	36	35	36	37	361
362	Glass and products	328	327	329	341	347	65	65	66	68	70	362
369	Non-metal products n.e.c c/	2431	2346	2338	2357	2361	141	138	138	138	139	369
371	Iron and steel	502	495	494	491	483	290	272	262	261	259	371
372	Non-ferrous metals	434	433	433	449	463	104	102	101	103	105	372
381	Metal products	5280	5392	5443	5779	6061	588	590	598	626	660	381
382	Machinery n.e.c.	5537	5675	5698	6075	6281	1087	1092	1080	1119	1174	382
3825	Office,computing etc..	149	157	165	180	187	87	87	85	84	83	3825
383	Electrical machinery ...	3326	3400	3461	3685	3854	959	969	975	1011	1033	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	1032	1028	1027	1081	1103	901	912	913	927	952	384
3841	Shipbuilding, repair..	113	109	103	99	98	41	37	34	33	34	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	1403	1395	1338	1418	1363	148	146	144	145	144	385
390	Other industries	621	621	609	602	605	51	51	50	51	54	390
3	Manufacturing ..... c/	41014	40962	40818	42642	43334	6741	6740	6732	6910	7120	3
410	Electricity,gas,steam ..	610	612	604	605	...	262	267	264	263	...	410
4101	Electricity	475	459	462	471	...	236	237	237	238	...	4101
420	Water works and supply .	161	144	158	162	...	18	15	18	19	...	420
4	Electricity,gas etc	771	756	762	767	...	280	282	282	282	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

Note. For description of classification, see country note.

a/ Mining and manufacturing: local units of enterprises with 20 or more persons engaged; including production handicrafts.
b/ Electricity, gas and water supply: enterprises with 20 or more persons engaged.
c/ Excluding manufacture of prefabricated building parts and structures.
d/ Major group 352 is included in 351.

GERMANY, FEDERAL REPUBLIC OF

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES a/b/ (BILLION MARKS)					4. SUPPLEMENTS TO WAGES AND SALARIES a/b/ (BILLION MARKS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	8.71	8.62	8.39	8.22	8.33	3.20	3.25	3.23	3.16	...	210
220	Petroleum and gas	0.43	0.43	0.41	0.40	0.40	[0.10	0.10	0.12	0.10]	...	220
230	Metal ore mining	0.08	0.07	0.08	0.04	0.04					...	230
290	Other mining	1.54	1.59	1.63	1.72	1.79	c/ 0.37	c/ 0.40	c/ 0.38	c/ 0.40	...	290
2	Mining, quarrying .	10.76	10.71	10.51	10.38	10.56	c/ 3.67	c/ 3.75	c/ 3.73	c/ 3.66	...	2
311/2	Food products	11.69	12.13	12.58	13.29	14.65	2.86	3.04	2.99	3.12	...	311/2
313	Beverages	3.97	4.02	4.08	4.15	4.41	1.02	1.04	1.04	1.04	...	313
314	Tobacco	0.89	0.89	0.89	0.89	0.88	0.33	0.30	0.32	0.29	...	314
321	Textiles	7.97	8.08	8.27	8.49	8.82	1.70	1.76	1.80	1.82	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	0.97	0.98	1.00	0.99	...	3211
322	Wearing apparel	4.31	4.24	4.22	4.25	4.32	0.86	0.86	0.83	0.84	...	322
323	Leather and products ...	0.71	0.71	0.69	0.68	0.68	0.15	0.15	0.14	0.14	...	323
324	Footwear	1.26	1.20	1.14	1.11	1.08	0.24	0.24	0.24	0.23	...	324
331	Wood products	[d/ 8.30	d/ 8.48	d/ 8.95	d/ 9.77	d/ 10.56]	0.72	0.76	0.80	0.85	...	331
332	Furniture, fixtures						0.97	0.99	1.07	1.16	...	332
341	Paper and products	6.12	6.35	6.63	7.01	7.70	1.45	1.52	1.51	1.61	...	341
3411	Pulp,paper etc.	2.31	2.35	2.48	2.58	2.74	0.63	0.67	0.63	0.64	...	3411
342	Printing,publishing	7.31	7.65	7.98	8.52	9.40	1.22	1.29	1.28	1.39	...	342
351	Industrial chemicals ...	e/ 30.34	e/ 31.83	e/ 33.49	e/ 35.18	e/ 37.22	c/ 4.87	c/ 5.09	c/ 5.50	c/ 5.49	...	351
3511	Basic excl fertilizers	...	...	...	...	...	4.62	4.83	5.21	5.20	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	0.25	0.26	0.30	0.29	...	3513
352	Other chemical products.	e/	e/	e/	e/	e/	c/ 3.43	c/ 3.66	c/ 3.82	c/ 3.94	...	352
3522	Drugs and medicines ..	...	...	...	...	...	1.27	1.38	1.48	1.49	...	3522
353	Petroleum refineries ...	[1.85	1.88	1.85	1.77	1.76	0.99	0.97	0.97	0.98]	...	353
354	Petroleum,coal products.										...	354
355	Rubber products	4.14	4.38	4.50	4.68	4.86	1.08	1.06	1.15	1.10	...	355
356	Plastic products n.e.c..	8.22	8.90	9.74	10.87	12.50	1.70	1.80	1.94	2.14	...	356
361	Pottery,china etc	1.15	1.17	1.20	1.28	1.36	0.26	0.27	0.27	0.28	...	361
362	Glass and products	2.69	2.82	2.91	3.10	3.29	0.65	0.70	0.79	0.73	...	362
369	Non-metal products n.e.c	d/ 5.93	d/ 6.02	d/ 6.31	d/ 6.57	d/ 6.85	1.52	1.56	1.70	1.73	...	369
371	Iron and steel	12.75	12.26	12.54	13.02	13.18	3.76	3.49	3.70	3.84	...	371
372	Non-ferrous metals	4.53	4.56	4.73	5.00	5.36	1.01	1.05	1.09	1.12	...	372
381	Metal products	23.95	24.68	25.80	27.88	30.94	4.79	5.01	5.12	5.61	...	381
382	Machinery n.e.c.	50.59	52.08	53.15	57.46	63.63	11.59	11.65	11.98	12.85	...	382
3825	Office,computing etc..	4.86	5.05	5.08	5.18	5.52	1.43	1.49	1.49	1.52	...	3825
383	Electrical machinery ...	41.77	43.99	45.93	48.82	52.72	10.36	11.07	11.71	12.47	...	383
3832	Radio,television etc..	...	...	...	...	...	5.39	5.90	6.30	6.95	...	3832
384	Transport equipment	43.99	46.17	48.05	50.55	54.39	9.91	11.06	10.98	11.18	...	384
3841	Shipbuilding, repair..	1.75	1.61	1.63	1.66	1.78	0.42	0.35	0.37	0.37	...	3841
3843	Motor vehicles	...	...	...	...	...	8.64	9.76	9.64	9.74	...	3843
385	Professional goods	5.79	5.98	6.14	6.43	6.73	f/ 1.21	f/ 1.30	f/ 1.27	f/ 1.31	...	385
390	Other industries	1.67	1.72	1.76	1.86	2.03	0.36	0.37	0.36	0.39	...	390
3	Manufacturing	d/ 291.89	d/ 302.19	d/ 313.53	d/ 332.63	d/ 359.33	c/f/ 67.04	c/f/ 72.06	c/f/ 74.36	c/f/ 77.64	...	3
410	Electricity,gas,steam ..	13.00	13.73	14.14	14.41	...	4.47	4.93	5.45	4.94	...	410
4101	Electricity	11.72	12.21	12.74	13.02	...	4.08	4.44	5.03	4.53	...	4101
420	Water works and supply .	0.78	0.66	0.82	0.86	...	0.27	0.20	0.32	0.26	...	420
4	Electricity,gas etc	13.78	14.39	14.96	15.27	...	4.74	5.13	5.77	5.20	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

Note. For description of classification, see country note.

a/ Mining and manufacturing: local units of enterprises with 20 or more persons engaged; including production handicrafts.
b/ Electricity, gas and water supply: enterprises with 20 or more persons engaged.
c/ Parts of group 3512 are included in major groups 290 and 352.
d/ Excluding manufacture of prefabricated building parts and structures.
e/ Major group 352 is included in 351.
f/ Excluding repair of professional goods.

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES a/b/ (THOUSANDS)					6. WAGES AND SALARIES OF OPERATIVES a/b/ (BILLION MARKS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	152	147	139	131	122	6.24	6.13	5.92	5.76	5.82	210
220	Petroleum and gas	3	3	3	3	3	0.16	0.16	0.15	0.14	0.14	220
230	Metal ore mining	2	1	1	1	1	0.06	0.05	0.05	0.03	0.03	230
290	Other mining	27	27	26	27	27	1.03	1.06	1.09	1.15	1.19	290
2	Mining, quarrying .	184	178	169	162	152	7.49	7.40	7.21	7.08	7.19	2
311/2	Food products	223	224	225	235	253	6.80	7.03	7.29	7.77	8.73	311/2
313	Beverages	56	55	54	53	55	2.18	2.20	2.22	2.26	2.43	313
314	Tobacco	11	10	10	9	10	0.41	0.40	0.40	0.40	0.41	314
321	Textiles	184	180	176	174	171	5.23	5.26	5.33	5.45	5.66	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	134	127	120	116	112	2.95	2.87	2.81	2.79	2.78	322
323	Leather and products ...	19	18	17	16	16	0.48	0.47	0.45	0.44	0.44	323
324	Footwear	34	31	27	25	23	0.91	0.83	0.77	0.73	0.70	324
331	Wood products ..... c/	[173	171	173	183	190	5.92	6.03	6.36	6.96	7.50]	331
332	Furniture, fixtures											332
341	Paper and products	112	112	112	115	121	3.99	4.14	4.31	4.54	5.01	341
3411	Pulp,paper etc.	37	36	37	37	38	1.59	1.60	1.68	1.74	1.84	3411
342	Printing,publishing	113	114	116	121	126	4.63	4.80	4.99	5.29	5.86	342
351	Industrial chemicals ... d/	298	298	295	295	299	12.43	12.92	13.35	13.83	14.54	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. d/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[13	12	12	11	11	0.67	0.66	0.65	0.64	0.65]	353
354	Petroleum,coal products.											354
355	Rubber products	72	72	71	72	72	2.67	2.83	2.87	2.99	3.09	355
356	Plastic products n.e.c..	163	170	181	196	215	5.29	5.70	6.25	6.98	8.06	356
361	Pottery,china etc	30	29	28	29	29	0.84	0.85	0.86	0.90	0.95	361
362	Glass and products	50	50	50	52	54	1.87	1.94	2.00	2.13	2.25	362
369	Non-metal products n.e.c c/	102	99	100	99	100	3.83	3.87	4.05	4.23	4.42	369
371	Iron and steel	222	206	197	198	196	8.83	8.30	8.48	8.88	8.98	371
372	Non-ferrous metals	79	77	76	78	80	3.08	3.06	3.18	3.38	3.62	372
381	Metal products	436	437	443	466	493	15.72	16.08	16.76	18.27	20.33	381
382	Machinery n.e.c.	669	665	654	681	715	25.77	25.95	26.33	28.74	31.88	382
3825	Office,computing etc..	33	32	30	29	27	1.12	1.09	1.12	1.13	1.16	3825
383	Electrical machinery ...	594	591	589	615	630	19.86	20.36	20.95	22.45	24.31	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	681	686	682	689	710	29.35	30.55	31.37	32.81	35.34	384
3841	Shipbuilding, repair..	31	28	26	24	25	1.19	1.08	1.11	1.13	1.20	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	97	95	93	93	92	3.10	3.09	3.12	3.24	3.39	385
390	Other industries	38	37	37	38	40	1.07	1.09	1.10	1.17	1.29	390
3	Manufacturing ..... c/	4603	4566	4538	4659	4811	167.88	171.28	176.25	187.27	202.62	3
410	Electricity,gas,steam ..	140	143	140	139	...	6.23	6.56	6.68	6.74	...	410
4101	Electricity	128	128	127	127	...	5.69	5.88	6.10	6.18	...	4101
420	Water works and supply .	10	8	10	10	...	0.40	0.32	0.42	0.44	...	420
4	Electricity,gas etc	150	151	150	149	...	6.63	6.88	7.10	7.18	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

Note. For description of classification, see country note.

a/ Mining and manufacturing: local units of enterprises with 20 or more persons engaged; including production handicrafts.
b/ Electricity, gas and water supply: enterprises with 20 or more persons engaged.
c/ Excluding manufacture of prefabricated building parts and structures.
d/ Major group 352 is included in 351.

GERMANY, FEDERAL REPUBLIC OF

ISIC	INDUSTRY	7. HOURS WORKED BY OPERATIVES a/b/ (MILLIONS)					8. QUANTITY OF ELECTRICITY CONSUMED a/ (BILLION KWH)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	217	204	189	177	166	12.89	12.64	12.38	12.42	12.62	210
220	Petroleum and gas	6	6	5	5	5	0.49	0.49	0.52	0.52	0.48	220
230	Metal ore mining	2	2	2	1	1	0.12	0.12	0.12	0.09	0.07	230
290	Other mining	49	49	49	50	49	1.91	1.98	2.00	2.02	2.04	290
2	Mining, quarrying .	274	261	245	233	220	15.41	15.23	15.02	15.05	15.21	2
311/2	Food products	403	405	405	416	444	6.57	6.72	7.04	7.31	7.88	311/2
313	Beverages	105	103	101	100	102	1.47	1.49	1.53	1.57	1.67	313
314	Tobacco	17	16	16	16	15	0.26	0.26	0.23	0.23	0.24	314
321	Textiles	298	289	283	276	268	4.42	4.54	4.79	5.03	5.07	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	203	192	181	172	162	0.28	0.28	0.28	0.27	0.27	322
323	Leather and products ...	30	29	26	25	24	0.13	0.13	0.13	0.13	0.13	323
324	Footwear	55	48	44	40	36	0.12	0.11	0.11	0.11	0.10	324
331	Wood products ..... c/	[296	291	297	312	318	2.61	2.74	2.89	3.09	3.18]	331
332	Furniture, fixtures											332
341	Paper and products	193	191	190	192	198	11.49	11.89	12.56	13.18	13.77	341
3411	Pulp,paper etc.	67	65	65	64	64	9.90	10.14	10.77	11.23	11.65	3411
342	Printing,publishing	188	187	187	191	197	1.48	1.59	1.68	1.79	1.92	342
351	Industrial chemicals ... d/	492	488	485	479	484	42.98	43.64	44.69	45.34	44.00	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. d/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[21	20	20	18	18	5.51	5.27	5.66	5.46	5.83]	353
354	Petroleum,coal products.											354
355	Rubber products	117	118	117	117	114	1.79	1.86	1.93	1.92	1.90	355
356	Plastic products n.e.c..	273	282	301	321	348	4.71	5.06	5.61	6.14	6.72	356
361	Pottery,china etc	48	47	46	46	46	0.31	0.32	0.33	0.35	0.37	361
362	Glass and products	85	84	84	86	87	2.62	2.71	2.81	2.98	3.15	362
369	Non-metal products n.e.c c/	180	175	177	179	178	5.65	5.57	5.88	6.21	6.37	369
371	Iron and steel	350	322	318	313	304	20.77	19.94	21.76	22.01	21.47	371
372	Non-ferrous metals	130	126	126	127	127	18.13	17.50	17.89	17.85	17.65	372
381	Metal products	737	730	739	772	805	5.79	5.97	6.35	6.82	7.24	381
382	Machinery n.e.c.	1110	1084	1074	1115	1152	7.44	7.55	7.78	8.40	8.72	382
3825	Office,computing etc..	50	48	48	46	41	0.99	1.04	1.09	1.16	1.19	3825
383	Electrical machinery ...	938	924	914	943	956	6.56	6.78	7.14	7.63	7.84	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	1107	1066	1055	1071	1089	11.15	11.46	11.85	12.38	12.81	384
3841	Shipbuilding, repair..	47	42	42	42	42	0.33	0.32	0.30	0.32	0.32	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	157	152	149	148	147	0.62	0.64	0.69	0.69	0.72	385
390	Other industries	59	58	57	58	60	0.23	0.24	0.25	0.27	0.28	390
3	Manufacturing ..... c/	7592	7427	7392	7533	7680	163.09	164.26	171.86	177.16	179.30	3
410	Electricity,gas,steam ..	227	229	228	220	...	...	...	...	...	...	410
4101	Electricity	206	205	206	200	...	30.10	22.05	27.96	29.02	29.75	4101
420	Water works and supply .	16	13	16	16	...	...	...	...	...	...	420
4	Electricity,gas etc	243	242	244	236	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

Note. For description of classification, see country note.

a/ Mining and manufacturing: local units of enterprises with 20 or more persons engaged; including production handicrafts.
b/ Electricity, gas and water supply: enterprises with 20 or more persons engaged.
c/ Excluding manufacture of prefabricated building parts and structures.
d/ Major group 352 is included in 351.

ISIC	INDUSTRY	9. OUTPUT IN PRODUCERS' PRICES a/b/d/e/ (BILLION MARKS) 1986	1987	1988	1989	1990	10. VALUE ADDED IN PRODUCERS' PRICES c/ (BILLION MARKS) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	27.8	26.9	27.2	23.4	22.5	17.78	16.32	15.61	15.94	...	210
220	Petroleum and gas	3.0	2.4	2.3	2.6	2.7	1.03	0.89	0.93	1.67	...	220
230	Metal ore mining	0.1	0.1	0.2	0.2	0.1	0.10	0.08	0.10	0.14	...	230
290	Other mining	6.9	6.7	6.9	7.3	7.7	4.00	4.01	4.15	4.44	...	290
2	Mining, quarrying .	37.8	36.1	36.6	33.5	33.0	22.91	21.30	20.79	22.19	...	2
311/2	Food products	126.8	122.4	126.8	136.8	147.0	33.06	36.27	36.81	39.89	...	311/2
313	Beverages	28.2	28.5	29.4	30.9	35.7	15.46	15.72	16.58	17.49	...	313
314	Tobacco	21.0	21.1	21.0	21.6	23.7	16.94	17.05	17.54	18.06	...	314
321	Textiles	38.6	37.9	39.4	42.0	44.6	16.69	17.15	17.61	18.34	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	9.39	9.34	9.23	9.51	...	3211
322	Wearing apparel	20.4	20.3	20.7	21.6	23.3	8.28	8.61	8.51	9.08	...	322
323	Leather and products ...	3.8	3.7	3.5	3.5	3.7	1.51	1.53	1.44	1.48	...	323
324	Footwear	6.5	6.2	5.9	6.0	5.9	2.05	2.07	2.05	1.95	...	324
331	Wood products	f/	f/	f/	f/	f/	7.12	7.53	7.94	8.75	...	331
332	Furniture, fixtures	[36.3	37.5	40.1	44.6	48.7]	9.45	9.91	10.97	11.73	...	332
341	Paper and products	36.0	36.5	39.0	42.7	...	16.43	17.10	17.68	18.56	...	341
3411	Pulp,paper etc.	15.9	15.8	17.3	19.0	...	7.44	7.49	8.06	8.43	...	3411
342	Printing,publishing	25.2	26.4	28.0	30.3	33.5	12.79	13.39	13.83	14.91	...	342
351	Industrial chemicals ...	g/ 169.2	g/ 169.4	g/ 179.6	g/ 192.7	...	50.39	51.22	57.74	59.64	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	g/	g/	g/	g/	...	36.29	38.73	41.48	43.46	...	352
3522	Drugs and medicines ..	...	...	...	...	...	13.76	14.59	15.86	16.77	...	3522
353	Petroleum refineries ...	[74.8	69.7	66.9	80.5	91.4]	26.66	25.27	26.37	29.42	...	353
354	Petroleum,coal products.						...	...	...	...	...	354
355	Rubber products	16.9	17.2	17.6	18.1	18.5	8.94	9.38	9.94	10.08	...	355
356	Plastic products n.e.c..	36.5	38.4	43.2	48.8	55.3	18.59	19.89	21.31	24.13	...	356
361	Pottery,china etc	2.9	2.9	3.0	3.2	3.5	2.03	2.13	2.18	2.35	...	361
362	Glass and products	10.7	11.0	11.7	12.6	13.4	6.04	6.37	6.98	7.33	...	362
369	Non-metal products n.e.c	f/ 26.8	f/ 26.5	f/ 28.8	f/ 30.9	f/ 33.0	15.20	15.64	16.97	18.10	...	369
371	Iron and steel	59.0	53.3	61.9	68.4	64.8	27.40	25.60	29.26	32.40	...	371
372	Non-ferrous metals	26.1	24.8	30.6	34.9	33.0	9.67	10.07	11.48	12.35	...	372
381	Metal products	90.7	91.0	98.9	110.9	121.1	45.00	46.36	51.01	55.82	...	381
382	Machinery n.e.c.	178.5	180.9	195.3	214.6	232.2	104.49	103.70	110.29	121.39	...	382
3825	Office,computing etc..	17.7	16.7	17.5	17.3	18.9	14.27	13.80	14.38	14.24	...	3825
383	Electrical machinery ...	157.4	161.7	170.0	185.9	200.5	89.21	95.58	103.47	109.83	...	383
3832	Radio,television etc..	...	...	...	...	...	45.58	49.82	54.13	57.56	...	3832
384	Transport equipment	198.4	211.7	219.3	241.4	263.6	87.73	93.24	93.96	101.73	...	384
3841	Shipbuilding, repair..	6.1	6.1	5.7	5.4	8.1	2.63	2.74	2.22	2.77	...	3841
3843	Motor vehicles	...	...	...	...	...	77.98	82.97	83.51	89.58	...	3843
385	Professional goods	19.1	19.4	21.6	22.2	23.4	h/ 10.67	h/ 11.15	h/ 11.80	h/ 12.12	...	385
390	Other industries	6.4	6.6	6.9	7.5	8.0	3.73	3.86	3.98	4.33	...	390
	Manufacturing	f/ 1416.2	f/ 1425.0	f/ 1509.1	f/ 1652.6	f/i/ 1770.3	681.82	704.52	749.18	804.70	...	3
410	Electricity,gas,steam ..	154.0	142.8	140.5	148.3	...	43.30	46.60	46.90	47.81	...	410
4101	Electricity	120.6	118.2	119.5	125.0	...	38.60	41.50	42.20	42.98	...	4101
420	Water works and supply .	4.0	3.1	4.4	4.1	...	2.00	1.80	2.21	2.22	...	420
	Electricity,gas etc	158.0	145.9	144.9	152.4	...	45.30	48.40	49.11	50.03	...	4
4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

Note. For description of classification, see country note.

Mining and manufacturing: local units of enterprises with 20 or more persons engaged; including production handicrafts.
Excluding value-added tax.
c/ Estimates from cost structure statistics.
Electricity, gas and water supply: enterprises with 20 or more persons engaged.
Total turnover.
Excluding manufacture of prefabricated building parts and structures.
Major group 352 is included in 351.
h/ Excluding repair of professional goods.
Including data for industries not shown at the major group level.

GERMANY, FEDERAL REPUBLIC OF

ISIC	INDUSTRY	11. GROSS FIXED CAPITAL FORMATION TOTAL a/b/ (MILLION MARKS)					12. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/b/ (MILLION MARKS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	642	617	700	760	...	513	470	569	615	...	290
2	Mining, quarrying . c/	3635	3414	3767	3392	...	2851	2665	3127	2846	...	2
311/2	Food products	3303	3639	...	-	...	[4718	4718]	...	...	...	311/2
313	Beverages	1927	2191	...	2611	...			...	2051	...	313
314	Tobacco	292	264	215	302	...	252	237	202	277	...	314
321	Textiles	1759	...	1953	-	...	1496	...	1641	...	...	321
3211	Spinning,weaving etc..	...	1217	1285	1274	...	...	1013	1100	1117	...	3211
322	Wearing apparel	319	338	337	-	...	...	248	...	...	...	322
323	Leather and products ...	97	...	81	101	...	...	...	...	...	...	323
324	Footwear	108	104	100	116	...	80	80	87	98	...	324
331	Wood products ..... d/	648	760	915	990	...	...	605	...	...	...	331
332	Furniture, fixtures	805	528	684	854	...	...	414	...	...	...	332
341	Paper and products	2393	2554	3528	3759	...	1947	2118	2913	3039	...	341
3411	Pulp,paper etc.	1400	1336	2147	2153	...	1136	1146	1756	1815	...	3411
342	Printing,publishing	1448	1510	1914	1979	...	1236	1311	1616	1644	...	342
351	Industrial chemicals ...	5643	...	...	-	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	-	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	-	...	...	...	...	...	...	3513
352	Other chemical products.	3259	3366	3615	4215	...	2575	2618	2737	3260	...	352
3522	Drugs and medicines ..	1122	1069	1058	1205	...	831	822	753	889	...	3522
353	Petroleum refineries ...	[1263	1165	1144	1057]	...	[1053	1013	982	908]	...	353
354	Petroleum,coal products.					...					...	354
355	Rubber products	903	951	966	1020	...	...	815	854	878	...	355
356	Plastic products n.e.c..	2391	2613	2716	3127	...	1912	2146	2220	2558	...	356
361	Pottery,china etc	206	187	211	228	...	161	135	174	180	...	361
362	Glass and products	...	833	955	1117	...	607	706	832	954	...	362
369	Non-metal products n.e.c e/	...	...	1872	2387	...	...	...	1510	1890	...	369
371	Iron and steel	3147	...	2699	2458	...	2739	...	2371	2140	...	371
372	Non-ferrous metals	1135	1174	1313	1584	...	939	1021	1115	1279	...	372
381	Metal products	3791	4113	...	5333	...	3061	...	...	4374	...	381
382	Machinery n.e.c.	9509	9594	9694	11240	...	7551	7524	7815	8813	...	382
3825	Office,computing etc..	1812	1961	2090	2171	...	1420	1614	1862	1818	...	3825
383	Electrical machinery ...	10065	9987	9531	10363	...	...	...	...	...	...	383
3832	Radio,television etc..	5832	5583	5194	5397	...	5034	4627	4348	4582	...	3832
384	Transport equipment	12047	12941	...	-	...	...	10602	...	...	...	384
3841	Shipbuilding, repair..	243	179	256	259	...	133	128	135	167	...	3841
3843	Motor vehicles	11185	12049	11144	11711	...	9384	10051	9373	10079	...	3843
385	Professional goods	1022	1023	971	1109	...	777	791	788	920	...	385
390	Other industries	256	313	364	403	...	213	247	272	293	...	390
3	Manufacturing ..... c/d/e/	69956	73836	75680	83685	...	57771	60823	62535	68918	...	3
410	Electricity,gas,steam ..	17927	18375	17988	17002	...	16397	16879	16014	15067	...	410
4101	Electricity	16175	16580	16120	15049	...	14759	15219	14303	13343	...	4101
420	Water works and supply .	825	758	944	1045	...	722	633	775	872	...	420
4	Electricity,gas etc	18752	19133	18932	18047	...	17119	17512	16789	15939	...	4
2-4	All industry c/d/e/	92343	96383	98379	105124	...	77741	81000	82451	87703	...	2-4

Note. For description of classification, see country note.

a/ The value of sales is not deducted.
b/ Enterprises with 20 or more persons engaged; including handicrafts.
c/ Including data for industries not shown at the major group level.
d/ Excluding prefabricated building parts (SYPRO 7237 AND 7751). e/ Excluding prefabricated building parts (SYPRO 7233).

13. VALUE OF STOCKS AT END OF PERIOD
TOTAL a/
(BILLION MARKS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	230
290	Other mining	0.59	0.52	0.55	0.59	...	290
2	Mining, quarrying . b/	4.10	4.31	4.28	3.68	...	2
311/2	Food products	11.24	10.86	11.57	11.28	...	311/2
313	Beverages	2.35	2.25	2.36	2.52	...	313
314	Tobacco	2.29	2.16	2.04	2.24	...	314
321	Textiles	7.05	7.12	7.47	7.81	...	321
3211	Spinning,weaving etc..	...	...	4.28	4.38	...	3211
322	Wearing apparel	3.07	3.09	3.12	3.38	...	322
323	Leather and products ...	0.68	0.71	0.71	0.66	...	323
324	Footwear	0.74	0.74	0.77	0.73	...	324
331	Wood products ..... c/	2.53	2.81	2.90	3.22	...	331
332	Furniture, fixtures	3.05	2.18	2.29	2.54	...	332
341	Paper and products	4.26	4.29	4.79	5.23	...	341
3411	Pulp,paper etc.	2.02	2.00	2.27	2.55	...	3411
342	Printing,publishing	1.56	1.62	1.71	1.84	...	342
351	Industrial chemicals ...	11.46	10.96	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	10.62	10.70	11.50	12.04	...	352
3522	Drugs and medicines ..	4.02	3.97	4.24	4.58	...	3522
353	Petroleum refineries ...	[3.89	3.44	3.23	4.15]	...	353
354	Petroleum,coal products.					...	354
355	Rubber products	2.24	2.18	2.35	2.51	...	355
356	Plastic products n.e.c..	4.43	4.74	5.31	5.88	...	356
361	Pottery,china etc	0.45	0.48	0.49	0.51	...	361
362	Glass and products	1.59	1.95	1.63	1.64	...	362
369	Non-metal products n.e.c d/	...	...	...	4.33	...	369
371	Iron and steel	9.77	8.64	9.65	10.69	...	371
372	Non-ferrous metals	4.65	4.37	4.99	5.39	...	372
381	Metal products	19.46	19.42	...	...	...	381
382	Machinery n.e.c.	54.82	46.07	47.95	53.71	...	382
3825	Office,computing etc..	3.58	3.26	3.94	3.93	...	3825
383	Electrical machinery ...	33.06	40.72	38.35	40.71	...	383
3832	Radio,television etc..	18.48	25.71	22.81	23.90	...	3832
384	Transport equipment	25.32	25.46	...	31.71	...	384
3841	Shipbuilding, repair..	3.41	3.20	3.68	5.41	...	3841
3843	Motor vehicles	17.31	17.77	18.30	20.21	...	3843
385	Professional goods	4.05	4.17	4.17	4.33	...	385
390	Other industries	1.59	1.64	1.69	1.84	...	390
3	Manufacturing ..... b/c/d/	230.39	226.71	233.96	255.62	...	3
410	Electricity,gas,steam ..	8.53	8.25	8.17	7.67	...	410
4101	Electricity	7.66	7.39	7.41	6.89	...	4101
420	Water works and supply .	0.11	0.08	0.11	0.11	...	420
4	Electricity,gas etc	8.64	8.33	8.28	7.78	...	4
2-4	All industry b/c/d/	243.13	239.35	246.52	267.08	...	2-4

Note. For description of classification, see country note.

a/ Enterprises with 20 or more persons engaged; including handicrafts.
b/ Including data for industries not shown at the major group level.
c/ Excluding prefabricated building parts (SYPRO 7237 AND 7751). d/ Excluding prefabricated building parts (SYPRO 7233).

GERMANY, FEDERAL REPUBLIC OF

14. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	101	94	92	94	92	86	82	80	80	-2.8	210
220	Petroleum and gas	90	92	95	90	83	90	86	84	83	-2.3	220
230	Metal ore mining	93	88	89	89	68	64	45	35	92	-1.0	230
290	Other mining ..... b/	84	87	93	90	91	90	93	99	99	-0.1	290
2	Mining, quarrying . b/	97	92	92	93	91	87	85	84	84	-2.2	2
311/2	Food products	100	100	103	107	110	111	115	120	132	3.5	311/2
313	Beverages	102	102	99	100	102	101	104	105	120	2.3	313
314	Tobacco	92	96	99	102	103	98	98	98	110	1.2	314
321	Textiles ..... c/	88	89	91	94	95	94	92	93	95	-0.6	321
3211	Spinning,weaving etc..	91	92	97	102	102	101	98	100	100	0.0	3211
322	Wearing apparel ..... c/	83	82	82	81	81	77	73	70	69	-4.5	322
323	Leather and products ...	82	89	80	76	78	76	72	67	68	-4.7	323
324	Footwear	91	86	89	84	77	72	68	62	58	-6.6	324
331	Wood products	78	82	85	81	84	84	90	98	105	0.6	331
332	Furniture, fixtures	81	83	81	75	76	77	79	83	88	-1.6	332
341	Paper and products	100	103	108	111	114	119	126	132	142	4.5	341
3411	Pulp,paper etc.	103	109	119	120	124	132	140	148	152	5.4	3411
342	Printing,publishing	95	94	99	100	102	105	108	114	123	2.6	342
351	Industrial chemicals ...	92	103	109	110	109	112	118	118	118	2.1	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	94	104	109	112	113	118	127	129	133	3.6	3513
352	Other chemical products.	100	102	106	108	109	111	117	123	129	3.2	352
3522	Drugs and medicines ..	102	105	108	111	108	109	116	121	128	3.1	3522
353	Petroleum refineries ...	[85	81	80	78	76	73	78	76	79	-2.9]	353
354	Petroleum,coal products.											354
355	Rubber products ..... d/	96	100	107	111	112	116	122	124	112	1.4	355
356	Plastic products n.e.c..	97	104	111	117	123	128	138	149	166	6.5	356
361	Pottery,china etc	91	89	90	89	89	87	88	90	92	-1.0	361
362	Glass and products	89	92	94	100	105	105	112	119	124	2.7	362
369	Non-metal products n.e.c b/d/	85	87	85	78	79	77	81	87	90	-1.3	369
371	Iron and steel	86	84	91	95	89	86	95	98	93	-0.9	371
372	Non-ferrous metals	98	104	109	112	119	122	128	131	137	4.0	372
381	Metal products	91	90	91	94	97	97	102	110	118	2.1	381
382	Machinery n.e.c.	97	95	98	106	112	109	113	123	130	3.3	382
3825	Office,computing etc..	114	135	173	212	220	226	242	231	240	11.6	3825
383	Electrical machinery ...	97	98	106	119	125	125	132	143	151	5.3	383
3832	Radio,television etc..	97	100	112	131	136	136	145	154	163	6.3	3832
384	Transport equipment	107	109	108	120	124	128	128	137	145	4.8	384
3841	Shipbuilding, repair..	99	81	76	72	64	62	56	53	57	-6.8	3841
3843	Motor vehicles	107	110	109	123	129	132	132	143	150	5.2	3843
385	Professional goods	90	90	93	103	110	106	114	113	119	2.2	385
390	Other industries	91	91	93	94	97	99	104	112	116	1.9	390
3	Manufacturing ..... b/	95	96	99	104	107	107	112	118	124	2.7	3
410	Electricity,gas,steam .. e/	99	102	107	112	111	115	118	121	125	2.8	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry f/	95	96	99	104	107	107	111	117	123	2.6	2-4

a/ Annual growth rate 1982-1990.
b/ Stone quarrying, clay and sand pits are included in major group 369.
c/ Made-up textile goods except wearing apparel are included in major group 322.
d/ Asbestos products are included in major group 355. e/ Excluding steam.
f/ Excluding steam, water works and supply.

GREECE

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the National Statistical Service of Greece, Athens. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates are derived from the annual statistical survey of mines, quarries and salterns, the annual industrial survey, and annual surveys of electricity and gas, all conducted by the National Statistical Service of Greece. The mining survey covers all establishments on a complete enumeration basis, except for quarrying of crude stone, gravel, sand and marble, where establishments with fewer than 20 persons engaged are covered by sampling methods. Because of the lack of adequate records for reporting purposes, the results presented exclude emery mines. For the industrial survey, manufacturing establishments with 10 or more persons engaged are covered on the basis of a complete enumeration of establishments with 20 or more persons engaged and a stratified random sample of establishments with 10 to 19 persons. Government establishments are not included in the industrial survey. The electricity and gas surveys cover the two enterprises engaged in production and distribution for public use. Steam and water supply are not covered. The statistical unit is the establishment except for electricity and gas where the enterprise is used.

The estimates are based on the national classification, generally following the preceding version of ISIC, but have been adjusted to the present version as far as possible. As stated above, the estimates for mining exclude emery mines (ISIC 290).

The estimates of employment relate to annual averages based on enumerations in every other month of the year. Unpaid family workers are included in numbers engaged if they work for at least 3 hours a day. Employees cover salaried employees, defined as persons receiving a monthly salary on a contractual basis irrespective of the amount of the remuneration, and wage earners, defined as persons receiving a daily pay or paid on a piece-work basis either in cash or in kind. The estimates shown for operatives relate to wage earners defined in this way. Wages and salaries cover wages, salaries, payments for overtime work and regular leave, bonuses, allowances, dismissal compensation and the value of receipts in kind.

The concept of output comprises the value of finished goods produced, receipts from contract work on account of others, receipts from repair work, receipts from the sale of goods sold in the same condition as purchased and other receipts (sales of self-produced steam, electric energy, processing waste etc.; subsidies and reimbursements for re-export of products). The valuation is at ex-factory selling price, exclusive of taxes. Value added is calculated as the value of output less the cost of materials and supplies, purchased fuels and electricity consumed, the purchase value of goods sold in the same condition as purchased, and payments for contract work done by others and for repair work.

Gross fixed capital formation represents current expenditure on new and used fixed assets less sales and write-offs owing to obsolescence. Own-account construction of fixed assets is included. The estimates for mining exclude salterns and the value of sales (insignificant) is not generally deducted.

The indices of industrial production are compiled by the National Statistical Service of Greece and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover all industrial establishments except handicrafts.

Related national publications:

Annual Statistical Survey on Mines, Quarries and Salterns; Annual Industrial Survey; Statistical Yearbook; Monthly Statistical Bulletin, all published by the National Statistical Service of Greece, Athens.

GREECE

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	25	29	30	29	...	5.56	6.57	6.69	6.74	...	210
220	Petroleum and gas	6	14	16	16	...	0.82	0.84	0.93	0.91	...	220
230	Metal ore mining	62	67	66	63	...	3.92	3.43	3.15	2.95	...	230
290	Other mining	1062	1088	1047	1022	...	14.60	13.76	12.94	12.77	...	290
2	Mining, quarrying .	1155	1198	1159	1130	...	24.90	24.60	23.71	23.37	...	2
311/2	Food products	1159	1169	1163	1138	...	47.40	48.78	49.11	50.93	...	311/2
313	Beverages	193	192	189	188	...	10.93	10.37	10.52	10.67	...	313
314	Tobacco	71	87	87	83	...	8.90	7.72	8.31	8.76	...	314
321	Textiles	985	890	885	876	...	59.42	59.46	57.76	56.23	...	321
3211	Spinning,weaving etc..	499	438	433	423	...	38.28	36.85	35.50	33.77	...	3211
322	Wearing apparel	1036	1142	1153	1144	...	33.87	38.32	38.23	38.45	...	322
323	Leather and products ...	272	293	296	290	...	4.35	4.25	4.13	4.07	...	323
324	Footwear	306	305	307	305	...	7.73	7.91	7.22	6.74	...	324
331	Wood products	297	244	242	244	...	7.28	6.96	7.25	7.12	...	331
332	Furniture, fixtures	333	417	418	419	...	4.86	6.00	5.76	5.96	...	332
341	Paper and products	133	147	147	149	...	8.44	9.00	8.81	9.24	...	341
3411	Pulp,paper etc.	31	38	39	38	...	4.36	4.29	4.45	4.82	...	3411
342	Printing,publishing	273	251	253	249	...	9.49	9.32	9.77	9.61	...	342
351	Industrial chemicals ...	60	62	63	61	...	7.02	6.98	6.99	6.83	...	351
3511	Basic excl fertilizers	29	33	33	32	...	1.32	1.45	1.47	1.49	...	3511
3513	Synthetic resins etc .	21	15	16	15	...	1.24	1.15	1.14	1.11	...	3513
352	Other chemical products.	251	277	273	275	...	13.82	14.28	14.85	15.75	...	352
3522	Drugs and medicines ..	89	93	91	93	...	5.98	5.93	5.99	6.21	...	3522
353	Petroleum refineries ...	13	17	18	17	...	3.54	3.68	3.76	4.32	...	353
354	Petroleum,coal products.	37	42	42	42	...	1.10	1.02	1.13	1.11	...	354
355	Rubber products	49	44	44	43	...	2.73	2.48	2.48	2.43	...	355
356	Plastic products n.e.c..	265	291	287	284	...	8.75	9.24	8.85	9.10	...	356
361	Pottery,china etc	62	69	69	68	...	3.41	3.22	3.07	3.03	...	361
362	Glass and products	35	37	37	37	...	2.10	2.09	2.06	2.03	...	362
369	Non-metal products n.e.c	534	523	526	523	...	17.49	18.25	18.78	18.23	...	369
371	Iron and steel	50	65	62	63	...	6.65	6.34	5.94	5.68	...	371
372	Non-ferrous metals	32	44	43	43	...	5.81	5.50	5.59	5.81	...	372
381	Metal products	617	522	525	527	...	22.36	19.81	19.42	19.08	...	381
382	Machinery n.e.c.	411	411	414	408	...	7.65	9.57	9.67	9.38	...	382
3825	Office,computing etc..	6	7	7	6	...	0.11	0.07	0.10	0.09	...	3825
383	Electrical machinery ...	311	309	306	303	...	14.61	14.09	13.90	13.45	...	383
3832	Radio,television etc..	43	53	53	52	...	2.62	2.31	2.62	2.55	...	3832
384	Transport equipment	255	206	205	214	...	21.83	21.05	23.20	22.72	...	384
3841	Shipbuilding, repair..	162	123	123	129	...	10.50	10.44	10.86	11.58	...	3841
3843	Motor vehicles	70	57	57	58	...	2.86	2.80	2.92	3.02	...	3843
385	Professional goods	25	19	20	20	...	0.67	0.71	0.84	0.87	...	385
390	Other industries	120	131	132	132	...	2.62	2.73	2.91	3.16	...	390
3	Manufacturing	8185	8206	8206	8145	...	344.83	349.13	350.31	350.76	...	3
410	Electricity,gas,steam ..	1	1	1	1	1	24.00	24.86	24.84	25.16	24.81	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	...	.	.	.	.	.	420
4	Electricity,gas etc	1	1	1	1	1	24.00	24.86	24.84	25.16	24.81	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Electricity and gas: number of enterprises.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES (MILLION DRACHMAS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	5.53	6.54	6.67	6.73	...	7558	10265	12599	15546	...	210
220	Petroleum and gas	0.82	0.84	0.93	0.91	...	1577	2121	2675	3238	...	220
230	Metal ore mining	3.92	3.43	3.15	2.96	...	4537	4707	5420	6410	...	230
290	Other mining	13.51	12.40	11.81	11.64	...	13288	13480	16183	18371	..	290
2	Mining, quarrying .	23.78	23.21	22.56	22.24	...	26960	30573	36877	43565	...	2
311/2	Food products	46.35	47.99	48.02	49.82	...	39943	46882	56378	70081	...	311/2
313	Beverages	10.77	10.25	10.38	10.55	...	11992	12994	15372	18776	..	313
314	Tobacco	8.89	7.72	8.30	8.76	...	7779	7508	10073	12653	...	314
321	Textiles	58.44	59.46	57.09	55.55	...	51771	57186	66634	77878	...	321
3211	Spinning,weaving etc..	37.91	36.62	35.29	33.55	...	36138	38788	44698	51377	...	3211
322	Wearing apparel	32.34	35.91	36.93	37.08	...	20629	25904	30881	37893	...	322
323	Leather and products ...	3.88	3.77	3.68	3.54	...	2741	3052	3341	3901	...	323
324	Footwear	7.23	7.16	6.78	6.32	...	5302	5711	6291	6961	...	324
331	Wood products	6.84	6.93	6.70	6.68	...	5780	6474	7645	9417	...	331
332	Furniture, fixtures	4.31	5.09	5.11	5.36	...	2836	3918	4256	5521	...	332
341	Paper and products	8.34	8.85	8.75	9.16	...	8789	10039	11880	15127	...	341
3411	Pulp,paper etc.	4.35	4.26	4.45	4.81	...	5068	5327	6556	8528	...	3411
342	Printing,publishing	9.19	9.20	9.56	9.39	...	9243	10250	12716	15445	...	342
351	Industrial chemicals ...	7.02	6.96	6.98	6.83	...	11026	11637	14199	17392	...	351
3511	Basic excl fertilizers	1.32	1.44	1.47	1.49	...	1946	2378	2849	3702	...	3511
3513	Synthetic resins etc .	1.24	1.15	1.14	1.11	...	1408	1412	1672	1907	...	3513
352	Other chemical products.	13.77	14.33	14.80	15.68	...	14309	16814	21069	27156	...	352
3522	Drugs and medicines ..	5.97	5.86	5.99	6.20	...	6237	7205	8674	10679	...	3522
353	Petroleum refineries ...	3.54	3.67	3.76	4.32	...	4978	6211	7147	10271	...	353
354	Petroleum,coal products.	1.09	1.15	1.10	1.09	...	1518	1416	1773	2215	...	354
355	Rubber products	2.69	2.50	2.45	2.40	...	3170	3475	4436	5139	...	355
356	Plastic products n.e.c..	8.50	8.89	8.65	8.94	...	7435	8979	9920	12554	...	356
361	Pottery,china etc	3.32	3.13	2.98	2.93	...	3470	3797	4103	4864	...	361
362	Glass and products	2.08	2.06	2.04	2.00	...	2375	2580	3044	3616	...	362
369	Non-metal products n.e.c	16.95	17.92	18.28	17.75	...	18303	21611	26253	31350	...	369
371	Iron and steel	6.62	6.27	5.89	5.62	...	8568	9206	10866	13031	...	371
372	Non-ferrous metals	5.81	5.49	5.58	5.80	...	8805	9893	12640	16857	...	372
381	Metal products	21.62	19.38	18.85	18.51	...	21218	21181	24626	28836	...	381
382	Machinery n.e.c.	7.18	9.17	9.27	8.99	...	5958	9680	10759	13196	...	382
3825	Office,computing etc..	0.10	0.06	0.08	0.08	...	103	60	99	101	...	3825
383	Electrical machinery ...	14.27	13.76	13.65	13.21	...	14308	15704	18273	21791	...	383
3832	Radio,television etc..	2.59	2.30	2.59	2.54	...	2566	2679	3354	4223	...	3832
384	Transport equipment	21.58	21.00	23.06	22.58	...	25518	27715	35105	46089	...	384
3841	Shipbuilding, repair..	10.33	10.23	10.79	11.51	...	11497	12929	17790	23875	...	3841
3843	Motor vehicles	2.79	2.84	2.86	2.97	...	2745	2942	3485	4743	...	3843
385	Professional goods	0.65	0.70	0.79	0.85	...	524	655	947	1192	...	385
390	Other industries	2.42	2.63	2.75	2.96	...	1797	2236	2790	3602	...	390
3	Manufacturing	335.69	341.34	342.18	342.67	...	320085	362708	433417	532804	...	3
410	Electricity,gas,steam ..	24.00	24.86	24.84	25.16	24.81	30459	39251	45530	56868	67619	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	24.00	24.86	24.84	25.16	24.81	30459	39251	45530	56868	67619	4
2-4	All industry	383.47	...	...	...	...	...	...	...	...	...	2-4

GREECE

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES a/ (MILLION DRACHMAS)					6. AVERAGE NUMBER OF OPERATIVES (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	2875	3947	3509	4314	...	0.20	0.12	0.16	0.14	...	210
220	Petroleum and gas	236	329	412	496	...	0.03	0.06	0.07	0.06	...	220
230	Metal ore mining	1121	1107	1237	1534	...	1.50	1.26	1.14	0.97	...	230
290	Other mining	3165	3193	3786	4553	...	7.64	6.33	5.88	5.27	...	290
2	Mining, quarrying .	7397	8576	8944	10897	...	9.37	7.77	7.25	6.44	...	2
311/2	Food products	8690	10448	12592	15700	...	30.21	29.49	29.39	30.36	...	311/2
313	Beverages	2698	2853	3430	4301	...	4.30	3.78	3.50	3.47	...	313
314	Tobacco	1877	1777	2385	2998	...	7.39	6.19	6.73	7.16	...	314
321	Textiles	11831	13130	15286	18161	...	47.10	47.94	44.99	42.96	...	321
3211	Spinning,weaving etc..	8309	9476	10940	12843	...	29.77	28.45	26.64	24.51	...	3211
322	Wearing apparel	4341	5734	7064	9054	...	29.41	32.24	33.11	33.21	...	322
323	Leather and products ...	516	670	755	922	...	3.56	3.42	3.30	3.09	...	323
324	Footwear	1239	1340	1524	1703	...	6.75	6.53	6.28	5.89	...	324
331	Wood products	1324	1428	1696	2193	...	5.12	5.05	4.96	4.66	...	331
332	Furniture, fixtures	633	910	1027	1356	...	3.86	4.49	4.49	4.58	...	332
341	Paper and products	2226	2466	2909	3744	...	5.01	5.23	5.00	4.40	...	341
3411	Pulp,paper etc.	1345	1313	1627	2159	...	2.31	2.13	2.19	1.63	...	3411
342	Printing,publishing	2050	2511	3099	3895	...	3.68	3.60	3.81	3.99	...	342
351	Industrial chemicals ...	2535	2709	3251	4018	...	1.79	1.81	1.83	1.78	...	351
3511	Basic excl fertilizers	425	501	604	861	...	0.14	0.22	0.28	0.28	...	3511
3513	Synthetic resins etc .	333	327	384	439	...	0.71	0.64	0.62	0.60	...	3513
352	Other chemical products.	3638	3735	4591	6020	...	5.61	5.73	5.78	6.06	...	352
3522	Drugs and medicines ..	1851	1594	1910	2430	...	2.14	2.06	2.03	1.99	...	3522
353	Petroleum refineries ...	1167	1426	1712	2364	...	0.12	0.10	0.09	0.09	...	353
354	Petroleum,coal products.	299	375	436	531	...	0.32	0.37	0.42	0.37	...	354
355	Rubber products	738	760	926	1124	...	1.92	1.82	1.79	1.77	...	355
356	Plastic products n.e.c..	1684	1970	2228	2876	...	5.93	6.26	6.02	6.22	...	356
361	Pottery,china etc	779	849	926	1106	...	2.58	2.43	2.25	2.24	...	361
362	Glass and products	563	631	771	895	...	1.57	1.56	1.55	1.47	...	362
369	Non-metal products n.e.c	3874	5035	6113	7387	...	8.26	9.04	9.03	8.08	...	369
371	Iron and steel	1906	2079	2434	2682	...	4.02	3.80	3.55	3.46	...	371
372	Non-ferrous metals	2367	2517	3833	4415	...	3.04	2.89	2.90	2.91	...	372
381	Metal products	4976	4814	5501	6591	...	15.08	13.23	12.66	12.64	...	381
382	Machinery n.e.c.	1397	2161	2437	3038	...	5.11	5.46	5.35	5.05	...	382
3825	Office,computing etc..	23	14	22	22	...	0.04	0.04	0.04	0.03	...	3825
383	Electrical machinery ...	3082	3466	4057	4744	...	9.02	7.40	7.41	7.50	...	383
3832	Radio,television etc..	553	580	711	860	...	1.22	0.93	1.00	1.06	...	3832
384	Transport equipment	5561	6309	8068	10566	...	12.92	9.97	11.77	10.93	...	384
3841	Shipbuilding, repair..	2451	2968	4230	5621	...	7.95	7.69	7.99	8.50	...	3841
3843	Motor vehicles	622	746	861	1160	...	2.10	2.12	2.12	2.23	...	3843
385	Professional goods	117	144	201	256	...	0.49	0.50	0.54	0.57	...	385
390	Other industries	396	485	568	764	...	1.87	1.93	1.97	2.19	...	390
3	Manufacturing	72504	82732	99820	123604	...	226.04	222.26	220.47	217.10	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	..	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Employers' contributions to social security schemes on behalf of employees and wage earners.

ISIC	INDUSTRY	7. WAGES AND SALARIES OF OPERATIVES (MILLION DRACHMAS)					8. DAYS WORKED BY OPERATIVES (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	155	105	135	201	...	62	37	46	43	...	210
220	Petroleum and gas	6	36	47	66	...	9	19	21	20	...	220
230	Metal ore mining	1394	1407	1614	1806	...	420	355	308	270	...	230
290	Other mining	6968	6296	7518	8107	...	2080	1652	1579	1420	...	290
2	Mining, quarrying .	8523	7844	9314	10180	...	2571	2062	1954	1753	...	2
311/2	Food products	20909	24115	28750	36357	...	9034	7399	8454	9032	...	311/2
313	Beverages	3369	3218	3649	4328	...	1320	990	1003	1029	...	313
314	Tobacco	5808	5347	7189	9391	...	2172	1601	1852	2141	...	314
321	Textiles	38436	42584	47973	55721	...	13787	12466	13391	12883	...	321
3211	Spinning,weaving etc..	26132	27607	30654	34337	...	...	8332	8626	7899	...	3211
322	Wearing apparel	18049	21796	26480	32397	...	8003	8092	10051	10747	...	322
323	Leather and products ...	2377	2510	2755	3345	...	1071	551	1022	975	...	323
324	Footwear	4836	5089	5626	6222	...	1914	1269	1727	2206	...	324
331	Wood products	3806	4325	4914	5465	...	1453	600	1083	1357	...	331
332	Furniture, fixtures	2449	3296	3695	4567	...	1049	689	1300	1475	...	332
341	Paper and products	4473	5080	5851	5591	...	1511	1387	1512	1318	...	341
3411	Pulp,paper etc.	2289	2322	2813	1974	...	695	632	677	500	...	3411
342	Printing,publishing	3020	3281	4106	4922	...	1253	770	1566	1222	...	342
351	Industrial chemicals ...	1962	2162	2599	3111	...	537	501	356	554	...	351
3511	Basic excl fertilizers	128	258	350	432	...	41	46	83	92	...	3511
3513	Synthetic resins etc .	641	628	725	792	...	211	169	176	192	...	3513
352	Other chemical products.	4435	5111	6097	7876	...	1567	1521	1779	1810	...	352
3522	Drugs and medicines ..	1647	1807	2058	2387	...	614	570	607	630	...	3522
353	Petroleum refineries ...	144	110	125	161	...	35	26	28	29	...	353
354	Petroleum,coal products.	342	401	495	607	...	96	89	110	117	...	354
355	Rubber products	2094	2346	2921	3627	...	576	450	523	547	...	355
356	Plastic products n.e.c..	4622	5637	6116	7432	...	1772	1473	1787	1843	...	356
361	Pottery,china etc	2393	2671	2693	3235	...	791	630	690	645	...	361
362	Glass and products	1616	1777	2148	2520	...	474	379	452	428	...	362
369	Non-metal products n.e.c	7676	9188	10565	11778	...	2396	2017	2644	2450	...	369
371	Iron and steel	4688	5012	5736	6969	...	1200	1078	1098	1050	...	371
372	Non-ferrous metals	3907	4473	5670	7291	...	930	792	883	877	...	372
381	Metal products	13172	12343	14349	17594	...	4497	3833	3685	3725	...	381
382	Machinery n.e.c.	3783	5172	5345	6470	...	1500	942	1541	1585	...	382
3825	Office,computing etc..	36	27	37	42	...	13	6	14	10	...	3825
383	Electrical machinery ...	7976	6747	7981	10046	...	2474	1578	1908	2271	...	383
3832	Radio,television etc..	1027	979	1229	1557	...	320	231	226	336	...	3832
384	Transport equipment	12949	11227	14919	19551	...	3866	2670	3035	3337	...	384
3841	Shipbuilding, repair..	8268	9086	12370	15720	...	2370	2155	2418	2655	...	3841
3843	Motor vehicles	1807	2019	2351	3615	...	635	496	572	644	...	3843
385	Professional goods	380	437	563	813	...	144	102	147	158	...	385
390	Other industries	1249	1506	1767	2253	...	544	371	550	624	...	390
3	Manufacturing	180920	196961	231077	279640	...	65964	54266	64177	66435	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

GREECE

ISIC	INDUSTRY	9. QUANTITY OF ELECTRICITY CONSUMED a/ (MILLION KWH)					10. OUTPUT IN FACTOR VALUES (BILLION DRACHMAS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	4	5	5	1	...	23.7	29.1	36.3	41.8	...	210
220	Petroleum and gas	12	5	4	3	...	21.0	23.1	18.0	19.8	...	220
230	Metal ore mining	29	29	30	32	...	13.5	12.5	14.5	18.9	...	230
290	Other mining	234	204	236	247	...	43.1	41.0	49.1	58.9	...	290
2	Mining, quarrying .	279	243	275	283	...	101.3	105.7	117.9	139.4	...	2
311/2	Food products	417	450	549	544	...	461.0	532.6	600.3	769.3	...	311/2
313	Beverages	107	110	121	107	...	104.2	118.6	149.5	170.5	...	313
314	Tobacco	27	30	33	31	...	96.8	90.1	109.0	122.6	...	314
321	Textiles	982	976	969	1036	...	347.6	426.3	433.9	459.2	...	321
3211	Spinning,weaving etc..	864	844	836	885	...	249.1	301.9	307.7	307.7	...	3211
322	Wearing apparel	65	71	87	73	...	86.0	108.9	126.9	146.5	...	322
323	Leather and products ...	19	20	19	25	...	19.9	25.0	26.3	34.9	...	323
324	Footwear	20	21	24	30	...	25.2	29.1	35.6	35.5	...	324
331	Wood products	92	95	96	97	...	38.4	43.0	50.0	63.8	...	331
332	Furniture, fixtures	18	28	31	36	...	12.8	17.0	19.6	25.9	...	332
341	Paper and products	375	355	420	392	...	67.3	78.9	87.5	101.8	...	341
3411	Pulp,paper etc.	305	278	356	313	...	32.0	35.6	39.9	46.8	...	3411
342	Printing,publishing	37	64	39	40	...	37.2	49.9	61.5	72.4	...	342
351	Industrial chemicals ...	911	908	953	892	...	90.6	96.1	107.3	123.9	...	351
3511	Basic excl fertilizers	302	331	388	339	...	19.9	24.5	29.5	34.9	...	3511
3513	Synthetic resins etc .	47	47	45	41	...	18.7	19.2	21.6	24.8	...	3513
352	Other chemical products.	61	69	71	75	...	119.5	137.1	170.4	210.8	...	352
3522	Drugs and medicines ..	23	26	26	24	...	42.5	46.8	60.3	73.7	...	3522
353	Petroleum refineries ...	332	199	244	218	...	296.0	294.2	313.9	399.5	...	353
354	Petroleum,coal products.	6	6	8	8	...	10.5	15.2	13.2	15.3	...	354
355	Rubber products	54	20	45	44	...	22.5	25.3	27.2	32.9	...	355
356	Plastic products n.e.c..	156	182	193	202	...	53.5	63.8	77.2	97.6	...	356
361	Pottery,china etc	56	53	47	54	...	13.7	13.3	13.9	16.9	...	361
362	Glass and products	53	37	33	43	...	10.5	13.5	14.3	17.8	...	362
369	Non-metal products n.e.c	1678	1537	1634	1469	...	126.8	142.9	167.9	198.4	...	369
371	Iron and steel	881	725	721	724	...	112.7	111.0	148.2	204.8	...	371
372	Non-ferrous metals	2888	2750	3338	3419	...	76.9	86.9	152.9	169.5	...	372
381	Metal products	186	170	165	192	...	137.4	127.5	150.5	178.6	...	381
382	Machinery n.e.c.	30	38	80	45	...	32.0	44.1	51.8	66.8	...	382
3825	Office,computing etc..	...	...	...	...	...	0.3	0.4	0.5	0.6	...	3825
383	Electrical machinery ...	107	106	103	116	...	109.9	109.4	136.5	172.2	...	383
3832	Radio,television etc..	7	7	6	8	...	25.4	19.7	25.5	33.6	...	3832
384	Transport equipment	104	101	109	101	...	72.6	78.3	99.9	137.3	...	384
3841	Shipbuilding, repair..	52	53	62	69	...	24.7	26.9	39.0	53.5	...	3841
3843	Motor vehicles	12	15	15	21	...	25.8	29.0	32.3	46.3	...	3843
385	Professional goods	5	3	4	9	...	1.7	3.0	4.3	5.1	...	385
390	Other industries	11	13	15	16	...	11.3	13.9	16.3	18.4	...	390
3	Manufacturing	9678	9137	10151	10038	...	2594.5	2894.9	3365.8	4068.2	...	3
410	Electricity,gas,steam ..	24379	25390	27365	28414	28812	214.4	251.7	286.4	310.6	385.1	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	24379	25390	27365	28414	28812	214.4	251.7	286.4	310.6	385.1	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Purchased electricity only.

ISIC	INDUSTRY	11. VALUE ADDED IN FACTOR VALUES (BILLION DRACHMAS)					12. GROSS FIXED CAPITAL FORMATION TOTAL (MILLION DRACHMAS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	14.11	20.92	27.94	29.73	...	8026	10258	13412	18604	...	210
220	Petroleum and gas	18.83	21.61	16.54	17.99	...	4138	3889	4118	5218	...	220
230	Metal ore mining	10.21	9.14	10.67	14.08	...	1860	1928	1656	3376	...	230
290	Other mining	24.88	23.27	29.06	34.35	...	8610 a/	8487 a/	12185 a/	10162 a/	...	290
2	Mining, quarrying .	68.03	74.94	84.21	96.15	...	22634 a/	24562 a/	31371 a/	37360 a/	...	2
311/2	Food products	99.06	117.79	139.86	174.02	...	15157	18894	23377	35571	...	311/2
313	Beverages	37.07	43.67	56.42	62.55	...	6931	7732	6889	12414	...	313
314	Tobacco	18.16	22.23	28.66	31.23	...	1856	3452	3208	3377	...	314
321	Textiles	141.32	153.60	151.94	157.82	..	13376	18422	30544	31295	...	321
3211	Spinning,weaving etc..	103.31	106.92	100.63	98.31	...	9512	12991	20923	22231	...	3211
322	Wearing apparel	38.97	52.06	58.37	69.38	...	3147	3675	5059	5498	...	322
323	Leather and products ...	6.68	8.27	8.14	8.56	...	379	406	720	853	...	323
324	Footwear	9.45	11.30	12.73	13.71	...	440	683	807	765	...	324
331	Wood products	12.95	14.41	16.76	22.58	...	1964	1479	1514	2857	...	331
332	Furniture, fixtures	5.67	7.44	8.25	11.03	...	489	786	1024	1134	...	332
341	Paper and products	21.68	25.44	28.10	31.76	...	2359	4020	2697	7349	...	341
3411	Pulp,paper etc.	9.59	11.02	12.90	14.75	...	821	1566	1177	5054	...	3411
342	Printing,publishing	17.03	22.65	28.55	36.52	...	3142	3173	2888	3989	...	342
351	Industrial chemicals ...	28.50	30.01	32.96	39.53	...	3559	2852	5094	4894	...	351
3511	Basic excl fertilizers	6.58	7.62	9.16	11.28	...	706	1244	3198	2542	...	3511
3513	Synthetic resins etc .	5.05	4.30	4.69	6.52	...	515	719	429	761	...	3513
352	Other chemical products.	40.71	50.60	65.24	81.13	...	2941	5269	5420	6554	...	352
3522	Drugs and medicines ..	13.17	15.79	20.85	24.93	...	1149	1833	1978	2196	...	3522
353	Petroleum refineries ...	23.81	24.90	37.78	46.79	...	36290	22284	10440	15200	...	353
354	Petroleum,coal products.	2.98	3.94	4.38	5.42	...	220	991	666	912	...	354
355	Rubber products	8.38	9.53	11.19	12.42	...	1106	1016	1209	1145	...	355
356	Plastic products n.e.c..	19.03	22.83	27.57	35.01	...	2507	2887	4089	6477	...	356
361	Pottery,china etc	7.75	7.82	8.23	10.16	...	1107	1483	1441	1642	...	361
362	Glass and products	4.92	6.37	6.37	6.87	...	487	551	1382	683	...	362
369	Non-metal products n.e.c	46.50	57.80	70.74	83.42	...	5859	6413	8832	12363	...	369
371	Iron and steel	26.50	23.28	34.22	47.35	...	4326	2475	1461	5395	...	371
372	Non-ferrous metals	20.68	24.64	52.07	54.82	...	2380	4157	6454	7480	...	372
381	Metal products	47.35	44.60	53.53	60.41	...	7094	9854	9299	10675	...	381
382	Machinery n.e.c.	12.85	19.42	21.00	25.39	...	1100	2198	5048	2582	...	382
3825	Office,computing etc..	0.19	0.17	0.24	0.25	...	...	11	6	1	...	3825
383	Electrical machinery ...	36.19	37.51	45.90	56.94	...	2301	4025	6475	10151	...	383
3832	Radio,television etc..	8.15	6.03	8.54	12.54	...	413	1006	1975	3085	...	3832
384	Transport equipment	37.31	37.58	47.83	69.52	...	12090	16858	21929	27943	...	384
3841	Shipbuilding, repair..	14.89	16.49	20.29	32.14	...	227	1147	2061	1537	...	3841
3843	Motor vehicles	5.78	5.83	7.12	10.90	...	493	461	852	1861	...	3843
385	Professional goods	0.87	1.36	1.99	2.32	...	69	38	105	366	...	385
390	Other industries	5.16	5.79	6.89	8.11	...	365	407	1177	514	...	390
3	Manufacturing	777.53	886.84	106.57	126.48	...	133041	146480	169248	220078	...	3
410	Electricity,gas,steam ..	152.82	181.84	214.44	231.97	288.02	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	...	...	...	...	...	420
4	Electricity,gas etc	152.82	181.84	214.44	231.97	288.02	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Excluding salterns.

GREECE

ISIC	INDUSTRY	13. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT (MILLION DRACHMAS)					14. VALUE OF STOCKS AT END OF PERIOD TOTAL (MILLION DRACHMAS)					I
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	379	9359	11753	16611	...	406	312	559	380	...	2
220	Petroleum and gas	456	2674	166	310	...	2584	2657	2788	3578	...	2
230	Metal ore mining	873	902	482	1239	...	6947	7825	7182	5257	...	2
290	Other mining	1994 a/	2392 a/	3987 a/	4096 a/	...	14303	10857	10864	11894	...	2
2	Mining, quarrying .	3702 a/	15327 a/	16388 a/	22256 a/	...	24240	21651	21393	21109	...	2
311/2	Food products	11339	12528	16388	21447	...	103784	102169	127953	137993	...	3
313	Beverages	5574	5906	5452	8369	...	24005	24703	34054	36128	...	3
314	Tobacco	1297	2929	2613	1868	...	37934	32147	35063	53339	...	3
321	Textiles	10460	14977	22931	22376	...	82888	89698	97282	125388	...	3
3211	Spinning,weaving etc..	7675	10809	15937	15629	...	59115	64469	69790	93910	...	3
322	Wearing apparel	2110	2296	3264	2985	...	16556	19799	24628	28042	...	3
323	Leather and products ...	174	310	384	355	...	4227	5515	9506	8198	...	3
324	Footwear	370	537	503	584	...	4772	4504	6302	6826	...	3
331	Wood products	1500	1038	788	1619	...	9983	14979	15729	19295	...	3
332	Furniture, fixtures	212	411	414	728	...	3260	5076	5497	7341	...	3
341	Paper and products	1609	2864	2179	5949	...	11070	14753	16472	18171	...	3
3411	Pulp,paper etc.	638	1272	1070	4299	...	6485	8262	9039	9675	...	3
342	Printing,publishing	2073	1786	2508	2705	...	3895	4494	5518	6371	...	3
351	Industrial chemicals ...	1991	1859	4489	3803	...	13478	13417	16995	16175	...	3
3511	Basic excl fertilizers	601	1011	2870	2128	...	2708	2918	4005	3064	...	3
3513	Synthetic resins etc .	385	468	354	301	...	3101	2734	3762	3385	...	3
352	Other chemical products.	2058	3699	3965	4784	...	23549	26933	30320	37905	...	3
3522	Drugs and medicines ..	856	1189	1604	1796	...	10904	11168	12666	15229	...	3
353	Petroleum refineries ...	4514	13783	2917	8062	...	13963	12249	14035	22532	...	3
354	Petroleum,coal products.	153	545	489	646	...	442	631	671	733	...	3
355	Rubber products	969	904	888	911	...	3822	3751	4541	4914	...	3
356	Plastic products n.e.c..	1944	2308	2874	4831	...	9812	12116	14295	17364	...	3
361	Pottery,china etc	822	1168	973	1339	...	3332	4206	4692	5490	...	3
362	Glass and products	381	471	1101	492	...	3104	4564	4592	4479	...	3
369	Non-metal products n.e.c	4098	3999	6156	7900	...	23549	24909	28110	28719	...	3
371	Iron and steel	1858	636	1032	2960	...	25709	26367	26165	42491	...	3
372	Non-ferrous metals	1796	1378	2028	3534	...	20979	17047	25261	24870	...	3
381	Metal products	4801	6553	5581	7615	...	39251	40577	42398	51099	...	3
382	Machinery n.e.c.	714	1585	2528	1717	...	8048	12510	16797	18080	...	3
3825	Office,computing etc..	...	11	6	3	...	95	64	65	126	...	3
383	Electrical machinery ...	1676	2709	3574	7886	...	17389	21308	23474	30541	...	3
3832	Radio,television etc..	225	498	930	1858	...	2467	3898	3965	5721	...	3
384	Transport equipment	583	831	1471	1712	...	19817	24841	25132	33119	...	3
3841	Shipbuilding, repair..	133	219	998	528	...	3320	5807	6770	8691	...	3
3843	Motor vehicles	293	295	208	702	...	7231	8675	8437	11973	...	3
385	Professional goods	69	33	44	179	...	458	528	689	797	...	3
390	Other industries	322	305	728	376	...	2514	3829	4672	5885	...	3
3	Manufacturing	65467	88348	98262	127732	...	531590	567620	660843	792285	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	4
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	4
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2

a/ Excluding salterns.

15. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	122	124	140	162	174	179	205	213	212	9.8	210
220	Petroleum and gas	491	592	634	638	640	608	569	470	430	20.0	220
230	Metal ore mining	82	80	89	97	80	86	93	97	96	-0.5	230
290	Other mining	86	85	98	92	93	91	101	103	103	0.4	290
2	Mining, quarrying . b/c/	148	161	178	183	185	182	189	180	174	7.2	2
311/2	Food products	99	100	110	112	103	97	107	119	106	0.7	311/2
313	Beverages	104	104	110	124	140	124	135	143	142	4.5	313
314	Tobacco	106	115	108	120	111	95	101	93	113	1.5	314
321	Textiles	94	92	92	95	102	104	101	99	95	-0.6	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	88	80	79	79	79	72	77	72	72	-4.0	322
323	Leather and products ...	78	77	72	71	72	85	79	71	60	-6.2	323
324	Footwear	84	80	79	108	104	98	83	84	62	-5.8	324
331	Wood products	81	80	70	62	60	63	64	73	73	-3.9	331
332	Furniture, fixtures	111	64	56	78	57	52	55	59	60	-6.2	332
341	Paper and products	95	106	118	137	158	182	164	164	152	5.4	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	102	102	109	117	102	101	105	104	96	-0.5	342
351	Industrial chemicals ...	98	108	113	117	103	104	110	111	110	1.2	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	102	108	119	129	127	128	140	151	152	5.4	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	102	100	98	97	117	120	122	127	132	3.5	353
354	Petroleum,coal products.	57	58	63	61	62	64	88	88	79	-2.9	354
355	Rubber products	100	97	97	102	99	98	112	123	122	2.5	355
356	Plastic products n.e.c..	110	118	116	123	110	103	140	162	147	4.9	356
361	Pottery,china etc	78	80	77	67	80	76	68	66	67	-4.9	361
362	Glass and products	98	91	76	80	101	98	89	85	89	-1.4	362
369	Non-metal products n.e.c c/	99	96	100	98	100	100	109	105	109	1.1	369
371	Iron and steel	94	85	95	91	89	89	97	100	92	-1.0	371
372	Non-ferrous metals	75	85	87	86	83	81	93	92	94	-0.8	372
381	Metal products	103	106	101	93	99	83	93	84	76	-3.4	381
382	Machinery n.e.c.	105	95	84	91	82	73	74	92	94	-0.8	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	100	95	88	102	103	88	80	86	82	-2.5	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	100	84	78	62	70	72	80	77	88	-1.6	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	90	89	100	76	62	135	79	50	55	-7.2	385
390	Other industries	105	109	138	62	131	126	114	124	126	2.9	390
3	Manufacturing ..... c/	99	97	98	101	100	98	103	106	103	0.4	3
410	Electricity,gas,steam ..	103	105	109	123	126	136	145	151	155	5.6	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry b/	102	101	104	107	107	106	111	113	110	1.2	2-4

a/ Annual growth rate 1982-1990.
b/ Excluding crude petroleum and natural gas.
c/ Magnesite roasting is included in mining.

GUATEMALA

The information in the tables is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Instituto Nacional de Estadística, Ministerio de Economía, Guatemala. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations Standards.

The data in the tables are derived from the annual survey of manufacturing industries conducted since 1969 by the Instituto Nacional de Estadística on a sample basis. The data shown in the tables relate to establishments with 5 or more persons engaged. The tabulation of data is based on the national classification, which is generally comparable with the present ISIC.

Employment numbers refer to averages during the reference year. Homeworkers are excluded. Wages and salaries relate to all payments, in cash and in kind, made by the employer during the reference year for work done by employees. They include bonuses, cost-of-living allowances, wages and salaries paid during regular leave, dismissal compensations, taxes and employees' contributions to social insurance and other funds.

Output comprises the value of (a) goods produced, (b) work performed for others, (c) goods sold without transformation, (d) electricity sold and (e) other receipts. The valuation of output and value added is in producers' prices.

Related national publications:

Encuesta Industrial (annual), published by the Instituto Nacional de Estadística, Guatemala; Boletín Estadístico (quarterly), published by the Banco de Guatemala, Guatemala.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	*1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	587	642	666	684	...	23338	21273	29307	...	...	311/2
313	Beverages	31	33	33	32	...	4228	4866	4875	...	...	313
314	Tobacco	4	4	3	3	...	808	805	809	...	...	314
321	Textiles	115	109	114	118	...	8700	8109	8434	...	...	321
3211	Spinning,weaving etc..	58	61	64	63	...	6800	6094	6903	...	...	3211
322	Wearing apparel	161	188	237	250	...	2616	2416	10105	...	...	322
323	Leather and products ...	37	36	37	41	...	589	460	765	...	...	323
324	Footwear	66	67	69	79	...	2158	2179	2670	...	...	324
331	Wood products	128	146	156	161	...	2180	2112	3528	...	...	331
332	Furniture, fixtures	69	88	103	110	...	790	852	2187	...	...	332
341	Paper and products	18	24	25	28	...	1176	967	1789	...	...	341
3411	Pulp,paper etc.	7	8	9	9	...	500	450	694	...	...	3411
342	Printing,publishing	127	132	134	136	...	2306	2304	3953	...	...	342
351	Industrial chemicals ...	21	19	20	24	...	1145	965	1162	...	...	351
3511	Basic excl fertilizers	5	5	5	5	...	191	194	216	...	...	3511
3513	Synthetic resins etc .	5	4	4	5	...	70	31	40	...	...	3513
352	Other chemical products.	131	133	136	143	...	6183	6063	7184	...	...	352
3522	Drugs and medicines ..	43	44	45	51	...	2217	2180	2563	...	...	3522
353	Petroleum refineries ...	3	5	5	4	...	140	182	239	...	...	353
354	Petroleum,coal products.	2	2	2	2	...	59	35	56	...	...	354
355	Rubber products	16	16	18	20	...	1699	1837	2418	...	...	355
356	Plastic products n.e.c..	74	74	76	84	...	2407	1749	3541	...	...	356
361	Pottery,china etc	8	10	12	13	...	196	215	412	...	...	361
362	Glass and products	12	12	12	12	...	863	887	967	...	...	362
369	Non-metal products n.e.c	144	188	208	218	...	3072	2909	4751	...	...	369
371	Iron and steel	13	13	13	13	...	1006	1053	1125	...	...	371
372	Non-ferrous metals	3	4	3	2	...	54	53	52	...	...	372
381	Metal products	108	114	123	124	...	2142	1871	3359	...	...	381
382	Machinery n.e.c.	24	26	30	33	...	600	466	957	...	...	382
3825	Office,computing etc..	1	2	3	2	...	49	58	107	...	...	3825
383	Electrical machinery ...	32	32	32	32	...	1002	831	1696	...	...	383
3832	Radio,television etc..	12	12	12	13	...	353	274	405	...	...	3832
384	Transport equipment	24	26	30	30	...	853	748	1089	...	...	384
3841	Shipbuilding, repair..	2	2	2	2	...	...	...	42	...	...	3841
3843	Motor vehicles	18	20	24	24	...	621	522	724	...	...	3843
385	Professional goods	11	12	14	14	...	191	217	245	...	...	385
390	Other industries	33	33	35	35	...	470	458	615	...	...	390
3	Manufacturing	2002	2188	2346	2442	...	70971	66882	98270	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.

GUATEMALA

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/ (NUMBER)					4. WAGES AND SALARIES OF EMPLOYEES a/ (THOUSAND QUETZALES)					ISIC
		1986	1987	*1988	1989	1990	1986	1987	*1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	23178	19368	26687	...	...	62784	70783	108471	...	...	311/2
313	Beverages	4216	4861	4869	...	...	26037	31419	30520	...	...	313
314	Tobacco	802	803	807	...	...	6205	8589	9562	...	...	314
321	Textiles	8459	8089	8412	...	...	19964	18604	30904	...	...	321
3211	Spinning,weaving etc..	6540	6094	6595	...	...	14911	12698	26310	...	...	3211
322	Wearing apparel	2508	2304	9636	...	...	4731	6245	28941	...	...	322
323	Leather and products ...	558	430	715	...	...	909	1125	2259	...	...	323
324	Footwear	2109	2129	2608	...	...	4323	4343	6566	...	...	324
331	Wood products	2074	2006	3351	...	...	3683	4275	8280	...	...	331
332	Furniture, fixtures	747	789	2025	...	...	1613	1699	5290	...	...	332
341	Paper and products	1165	952	1741	...	...	5482	5289	9500	...	...	341
3411	Pulp,paper etc.	494	438	675	...	...	2307	2045	4000	...	...	3411
342	Printing,publishing	2260	2265	3886	...	...	9297	10070	19678	...	...	342
351	Industrial chemicals ...	1142	962	1158	...	...	6994	7661	4991	...	...	351
3511	Basic excl fertilizers	191	193	215	...	...	607	622	357	...	...	3511
3513	Synthetic resins etc .	67	30	39	...	...	313	93	206	...	...	3513
352	Other chemical products.	6138	6013	7124	...	...	34773	38052	61529	...	...	352
3522	Drugs and medicines ..	2210	2176	2558	...	...	16214	21056	26358	...	...	3522
353	Petroleum refineries ...	140	182	239	...	...	1901	4589	4082	...	...	353
354	Petroleum,coal products.	54	35	56	...	...	130	88	228	...	...	354
355	Rubber products	1691	1833	2413	...	...	8788	9903	12862	...	...	355
356	Plastic products n.e.c..	2380	1736	3514	...	...	9579	6757	18971	...	...	356
361	Pottery,china etc	184	210	402	...	...	793	916	1183	...	...	361
362	Glass and products	860	864	942	...	...	6199	7502	4158	...	...	362
369	Non-metal products n.e.c	2990	2766	4517	...	...	11750	11807	17866	...	...	369
371	Iron and steel	993	1033	1104	...	...	3214	3337	6258	...	...	371
372	Non-ferrous metals	53	52	51	...	...	311	198	263	...	...	372
381	Metal products	2102	1843	3308	...	...	6863	8046	12877	...	...	381
382	Machinery n.e.c.	595	457	938	...	...	1904	2442	3862	...	...	382
3825	Office,computing etc..	49	58	107	...	...	275	332	237	...	...	3825
383	Electrical machinery ...	993	829	1692	...	...	4137	4861	9810	...	...	383
3832	Radio,television etc..	353	274	405	...	...	1089	1285	1673	...	...	3832
384	Transport equipment	842	736	1071	...	...	1621	2096	3989	...	...	384
3841	Shipbuilding, repair..	...	...	40	...	...	-	-	260	...	...	3841
3843	Motor vehicles	620	509	706	...	...	1357	1228	2392	...	...	3843
385	Professional goods	189	203	229	...	...	824	1098	1127	...	...	385
390	Other industries	460	443	595	...	...	1270	1223	2767	...	...	390
3	Manufacturing	69882	64193	94090	...	...	246079	273017	426021	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES a/ (THOUSAND QUETZALES)					6. AVERAGE NUMBER OF OPERATIVES a/ (NUMBER)					ISIC
		1986	1987	*1988	1989	1990	1986	1987	*1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	6353	6486	9936	...	...	16382	14268	19658	...	...	311/2
313	Beverages	2239	2831	2750	...	...	2206	2581	2585	...	...	313
314	Tobacco	473	503	559	...	...	374	374	375	...	...	314
321	Textiles	2859	2664	4422	...	...	6027	5436	5653	...	...	321
3211	Spinning,weaving etc..	1615	1375	2846	...	...	4478	4921	5801	...	...	3211
322	Wearing apparel	587	491	2275	...	...	2145	1868	7812	...	...	322
323	Leather and products ...	103	149	299	...	...	300	322	535	...	...	323
324	Footwear	553	555	838	...	...	1158	1178	1443	...	...	324
331	Wood products	290	281	544	...	...	1480	1803	3012	...	...	331
332	Furniture, fixtures	123	238	741	...	...	512	655	1681	...	...	332
341	Paper and products	879	784	1522	...	...	762	752	1375	...	...	341
3411	Pulp,paper etc.	270	239	467	...	...	302	288	444	...	...	3411
342	Printing,publishing	1307	1521	991	...	...	1652	1629	2795	...	...	342
351	Industrial chemicals ...	646	783	510	...	...	645	515	620	...	...	351
3511	Basic excl fertilizers	66	81	46	...	...	35	36	40	...	...	3511
3513	Synthetic resins etc .	16	11	24	...	...	26	24	31	...	...	3513
352	Other chemical products.	4962	4853	8768	...	...	2559	2434	2883	...	...	352
3522	Drugs and medicines ..	2905	3652	4570	...	...	842	808	950	...	...	3522
353	Petroleum refineries ...	190	250	222	...	...	68	136	179	...	...	353
354	Petroleum,coal products.	13	12	31	...	...	68	31	50	...	...	354
355	Rubber products	710	816	1058	...	...	1517	1463	1997	...	...	355
356	Plastic products n.e.c..	1113	1479	4151	...	...	2028	1335	2702	...	...	356
361	Pottery,china etc	100	108	139	...	...	133	172	329	...	...	361
362	Glass and products	1407	1125	507	...	...	645	636	693	...	...	362
369	Non-metal products n.e.c	1542	1923	2909	...	...	2109	2112	3449	...	...	369
371	Iron and steel	414	429	804	...	...	881	913	976	...	...	371
372	Non-ferrous metals	29	35	46	...	...	39	29	28	...	...	372
381	Metal products	631	788	1261	...	...	1472	1467	2633	...	...	381
382	Machinery n.e.c.	105	118	187	...	...	362	312	640	...	...	382
3825	Office,computing etc..	16	20	14	...	...	15	24	44	...	...	3825
383	Electrical machinery ...	448	600	1210	...	...	568	596	1216	...	...	383
3832	Radio,television etc..	218	190	247	...	...	129	150	222	...	...	3832
384	Transport equipment	148	142	270	...	...	435	584	850	...	...	384
3841	Shipbuilding, repair..	-	-	39	...	...	...	...	38	...	...	3841
3843	Motor vehicles	132	72	140	...	...	422	444	616	...	...	3843
385	Professional goods	110	104	107	...	...	129	135	152	...	...	385
390	Other industries	116	139	314	...	...	264	248	333	...	...	390
3	Manufacturing	28450	30207	47371	...	...	47720	43984	66654	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.

GUATEMALA

ISIC	INDUSTRY	7. WAGES AND SALARIES OF OPERATIVES a/ (THOUSAND QUETZALES)					8. HOURS WORKED BY OPERATIVES a/ (THOUSANDS)					ISIC
		1986	1987	*1988	1989	1990	1986	1987	*1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	35466	37500	51665	...	...	41223	29872	41085	...	...	311/2
313	Beverages	11723	13058	13078	...	...	4023	6577	6566	...	...	313
314	Tobacco	1547	2210	2215	...	...	854	1173	1174	...	...	314
321	Textiles	14673	13209	13680	...	...	16417	14785	15320	...	...	321
3211	Spinning,weaving etc..	11468	12598	...	...	...	13174	18557	21869	...	...	3211
322	Wearing apparel	3128	4234	17655	...	...	4826	3127	13046	...	...	322
323	Leather and products ...	467	636	1054	...	...	1037	1110	1840	...	...	323
324	Footwear	2063	2096	2554	...	...	2628	2662	3247	...	...	324
331	Wood products	2859	3501	7352	...	...	3226	3886	6476	...	...	331
332	Furniture, fixtures	952	1219	3362	...	...	1131	1443	3698	...	...	332
341	Paper and products	2816	2775	5156	...	...	1707	1684	3066	...	...	341
3411	Pulp,paper etc.	1059	1008	1665	...	...	638	608	937	...	...	3411
342	Printing,publishing	5455	5884	10621	...	...	3683	3465	5925	...	...	342
351	Industrial chemicals ...	2619	2389	2480	...	...	1419	1138	1364	...	...	351
3511	Basic excl fertilizers	114	115	120	...	...	79	69	100	...	...	3511
3513	Synthetic resins etc .	57	57	62	...	...	56	54	70	...	...	3513
352	Other chemical products.	8783	8349	10811	...	...	5604	5306	6256	...	...	352
3522	Drugs and medicines .	3088	2957	3610	...	...	1869	2113	2479	...	...	3522
353	Petroleum refineries ...	1185	2699	3580	...	...	150	278	365	...	...	353
354	Petroleum,coal products.	113	63	125	...	...	150	69	111	...	...	354
355	Rubber products	5430	5931	7589	...	...	3822	3194	4353	...	...	355
356	Plastic products n.e.c..	5210	3761	8106	...	...	4360	2365	6755	...	...	356
361	Pottery,china etc	381	493	987	...	...	291	335	658	...	...	361
362	Glass and products	3765	4586	4158	...	...	1348	1339	1455	...	...	362
369	Non-metal products n.e.c	2959	4224	8967	...	...	4851	3421	5553	...	...	369
371	Iron and steel	1960	2027	2440	...	...	2387	2465	2625	...	...	371
372	Non-ferrous metals	74	92	95	...	...	85	47	56	...	...	372
381	Metal products	3923	4809	9479	...	...	3253	3065	5477	...	...	381
382	Machinery n.e.c.	844	1150	2400	...	...	702	521	1280	...	...	382
3825	Office,computing etc..	43	81	154	...	...	35	53	97	...	...	3825
383	Electrical machinery ...	2450	2749	4621	...	...	1539	931	2918	...	...	383
3832	Radio,television etc..	359	435	721	...	...	288	334	493	...	...	3832
384	Transport equipment	692	1398	2550	...	...	1138	1524	2210	...	...	384
3841	Shipbuilding, repair..	-	-	114	...	...	-	-	-	...	...	3841
3843	Motor vehicles	654	991	1786	...	...	937	986	1368	...	...	3843
385	Professional goods	398	455	547	...	...	260	275	309	...	...	385
390	Other industries	399	508	932	...	...	557	521	699	...	...	390
3	Manufacturing	122335	132005	198259	...	...	112671	96578	143887	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.

ISIC	INDUSTRY	9. QUANTITY OF ELECTRICITY CONSUMED a/ (MILLION KWH)					10. OUTPUT IN PRODUCERS' PRICES a/ (MILLION QUETZALES)					ISIC
		1986	1987	*1988	1989	1990	1986	1987	*1988	1989	1990	
210	Coal mining	71	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	24	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	1	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	82	89	147	...	...	830	1143	1893	...	...	311/2
313	Beverages	24	21	25	...	...	193	255	305	...	...	313
314	Tobacco	3	3	61	...	...	43	63	128	...	...	314
321	Textiles	60	49	63	...	...	163	159	350	...	...	321
3211	Spinning,weaving etc..	57	46	59	...	...	121	127	295	...	...	3211
322	Wearing apparel	2	2	8	...	...	42	40	166	...	...	322
323	Leather and products ...	1	1	2	...	...	12	17	38	...	...	323
324	Footwear	2	1	2	...	...	27	29	63	...	...	324
331	Wood products	2	3	6	...	...	18	32	60	...	...	331
332	Furniture, fixtures	1	1	2	...	...	6	17	32	...	...	332
341	Paper and products	16	12	21	...	...	64	62	110	...	...	341
3411	Pulp,paper etc.	15	10	21	...	...	28	26	54	...	...	3411
342	Printing,publishing	3	3	12	...	...	44	...	185	...	...	342
351	Industrial chemicals ...	8	6	14	...	...	82	119	275	...	...	351
3511	Basic excl fertilizers	3	3	4	...	...	3	3	6	...	...	3511
3513	Synthetic resins etc .	-	-	1	...	...	1	1	6	...	...	3513
352	Other chemical products.	14	9	23	...	...	268	298	780	...	...	352
3522	Drugs and medicines ..	3	5	9	...	...	129	160	281	...	...	3522
353	Petroleum refineries ...	9	6	9	...	...	151	171	268	...	...	353
354	Petroleum,coal products.	-	-	-	...	...	1	1	2	...	...	354
355	Rubber products	13	13	13	...	...	96	106	108	...	...	355
356	Plastic products n.e.c..	19	13	45	...	...	99	61	210	...	...	356
361	Pottery,china etc	1	1	2	...	...	11	15	26	...	...	361
362	Glass and products	14	17	16	...	...	66	75	72	...	...	362
369	Non-metal products n.e.c	24	30	46	...	...	121	162	251	...	...	369
371	Iron and steel	16	11	15	...	...	102	120	169	...	...	371
372	Non-ferrous metals	1	1	2	...	...	3	4	7	...	...	372
381	Metal products	5	5	9	...	...	68	72	129	...	...	381
382	Machinery n.e.c.	1	1	2	...	...	12	18	37	...	...	382
3825	Office,computing etc..	-	-	-	...	...	-	...	2	...	...	3825
383	Electrical machinery ...	2	2	9	...	...	44	46	205	...	...	383
3832	Radio,television etc..	2	1	2	...	...	12	13	27	...	...	3832
384	Transport equipment	1	1	1	...	...	10	22	20	...	...	384
3841	Shipbuilding, repair..	-	-	-	...	...	-	-	1	...	...	3841
3843	Motor vehicles	-	-	1	...	...	7	10	13	...	...	3843
385	Professional goods	-	1	2	...	...	5	6	10	...	...	385
390	Other industries	1	1	2	...	...	11	13	31	...	...	390
3	Manufacturing	325	303	559	...	...	2591	3126 b/	5930	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.

b/ Excluding major group 342.

GUATEMALA

ISIC	INDUSTRY	11. VALUE ADDED IN PRODUCERS' PRICES a/ (MILLION QUETZALES)					12. GROSS FIXED CAPITAL FORMATION TOTAL a/ (THOUSAND QUETZALES)					ISIC
		1986	1987	*1988	1989	1990	1986	1987	*1988	1989	1990	
210	Coal mining	...	...	...	...	...	21539	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	13171	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	743	...	...	...	...	230
290	Other mining	...	...	...	...	...	11190	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	398	468	531	...	...	21539	20386	33752	...	...	311/2
313	Beverages	106	150	117	...	...	12171	5500	6576	...	...	313
314	Tobacco	23	39	56	...	...	1743	198	402	...	...	314
321	Textiles	78	68	143	...	...	6152	3915	8617	...	...	321
3211	Spinning,weaving etc..	59	54	121	...	...	4065	2286	5310	...	...	3211
322	Wearing apparel	15	24	70	...	...	1263	2160	8964	...	...	322
323	Leather and products ...	3	5	19	...	...	272	682	1524	...	...	323
324	Footwear	9	3	40	...	...	449	526	1142	...	...	324
331	Wood products	11	18	27	...	...	1488	3678	6896	...	...	331
332	Furniture, fixtures	3	12	13	...	...	1166	290	546	...	...	332
341	Paper and products	29	25	31	...	...	2843	2595	4603	...	...	341
3411	Pulp,paper etc.	14	14	17	...	...	604	356	739	...	...	3411
342	Printing,publishing	37	...	106	...	...	4056	4601	18110	...	...	342
351	Industrial chemicals ...	39	65	109	...	...	1501	1696	3919	...	...	351
3511	Basic excl fertilizers	2	1	1	...	...	230	249	498	...	...	3511
3513	Synthetic resins etc .	1	-	3	...	...	46	45	270	...	...	3513
352	Other chemical products.	138	163	351	...	...	10160	9106	23829	...	...	352
3522	Drugs and medicines ..	75	97	150	...	...	5600	3295	5786	...	...	3522
353	Petroleum refineries ...	11	13	23	...	...	793	578	906	...	...	353
354	Petroleum,coal products.	-	-	1	...	...	2	65	130	...	...	354
355	Rubber products	47	53	51	...	...	2817	3221	3281	...	...	355
356	Plastic products n.e.c..	34	29	79	...	...	7572	5884	9450	...	...	356
361	Pottery,china etc	9	12	20	...	...	151	-	260	...	...	361
362	Glass and products	32	34	56	...	...	2578	1654	1588	...	...	362
369	Non-metal products n.e.c	35	68	131	...	...	4213	6704	10386	...	...	369
371	Iron and steel	70	25	68	...	...	275	510	718	...	...	371
372	Non-ferrous metals	-	1	1	...	...	92	-	105	...	...	372
381	Metal products	46	40	62	...	...	862	3126	2580	...	...	381
382	Machinery n.e.c.	8	11	16	...	...	976	100	205	...	...	382
3825	Office,computing etc..	-	1	1	...	...	36	-	-	...	...	3825
383	Electrical machinery ...	21	21	62	...	...	299	723	3220	...	...	383
3832	Radio,television etc..	4	4	8	...	...	119	138	286	...	...	3832
384	Transport equipment	5	9	8	...	...	250	278	253	...	...	384
3841	Shipbuilding, repair..	-	-	1	...	...	-	-	-	...	...	3841
3843	Motor vehicles	3	4	5	...	...	220	196	156	...	...	3843
385	Professional goods	2	2	5	...	...	548	881	250	...	...	385
390	Other industries	5	8	11	...	...	145	75	179	...	...	390
3	Manufacturing	1214	1366 b/	2207	...	...	86376	79132	152391	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.

b/ Excluding major group 342.

HAITI

The information in the tables is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Institut haïtien de statistique et d'informatique, Port-au-Prince. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

Data on numbers of establishments and employees and wages and salaries of employees are derived from official administrative records of the Office d'assurance accident du travail, maladie et maternité. These data relate to the establishments registered with that office. Estimates of value added are derived from national accounts calculations made by the Institut haïtien de statistique et d'informatique and cover all establishments including handicraft and artisan activities. It should be noted that the estimates relate to value added at constant prices of 1975/76 and that data for ISIC 323 cover manufacture of goat skin only.

The reference period is the fiscal year from 1 October to 30 September; in the tables the period referred to is the fiscal year ending in the year indicated.

Related national publications:

Bulletin de statistique, Supplément annuel; Guide économique de la République d'Haïti (irregular), both published by the Institut haïtien de statistique et d'informatique, Port-au-Prince.

HAITI

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF EMPLOYEES a/ (NUMBER)					ISIC
		1986	1987	*1988	1989	1990	1986	1987	*1988	1989	1990	
210	Coal mining	-	-	-	...	...	-	-	-	...	...	210
220	Petroleum and gas	-	-	-	...	...	-	-	-	...	...	220
230	Metal ore mining	1	1	2	...	...	12	29	29	...	...	230
290	Other mining	-	-	-	...	...	-	-	-	...	...	290
2	Mining, quarrying .	1	1	2	...	...	12	29	29	...	...	2
311/2	Food products	252	248	260	...	...	6993	7023	6744	...	...	311/2
313	Beverages	171	206	208	...	...	1165	1228	1209	...	...	313
314	Tobacco	1	1	1	...	...	350	350	350	...	...	314
321	Textiles	49	28	24	...	...	2047	1474	1268	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	89	89	78	...	...	6448	6115	6037	...	...	322
323	Leather and products ...	10	9	8	...	...	329	625	683	...	...	323
324	Footwear	5	5	3	...	...	939	938	...	...	...	324
331	Wood products	8	6	8	...	...	87	80	103	...	...	331
332	Furniture, fixtures	35	31	32	...	...	522	411	567	...	...	332
341	Paper and products	8	7	5	...	...	104	96	91	...	...	341
3411	Pulp,paper etc.	-	-	-	...	...	-	-	-	...	...	3411
342	Printing,publishing	22	22	25	...	...	357	358	396	...	...	342
351	Industrial chemicals ... b/	33	34	34	...	...	577	582	582	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. b/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	-	-	-	...	...	-	-	-	...	...	353
354	Petroleum,coal products.	-	-	-	...	...	-	-	-	...	...	354
355	Rubber products	1	1	1	...	...	196	196	196	...	...	355
356	Plastic products n.e.c..	2	4	4	...	...	40	75	89	...	...	356
361	Pottery,china etc	-	-	-	...	...	-	-	-	...	...	361
362	Glass and products	-	1	-	...	...	-	9	-	...	...	362
369	Non-metal products n.e.c	35	30	34	...	...	1167	960	1084	...	...	369
371	Iron and steel	7	3	5	...	...	325	290	305	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products	17	19	15	...	...	662	1053	811	...	...	381
382	Machinery n.e.c. ..... c/	28	30	22	...	...	3271	2761	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... c/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... d/	1	1	1	...	...	10	10	10	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	-	-	-	...	...	-	-	-	...	...	385
390	Other industries	76	68	54	...	...	4898	3603	3220	...	...	390
3	Manufacturing ..... d/e/	850	843	822	...	...	30162	28227	f/ 26690	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc g/	12	10	9	...	...	967	948	916	...	...	4
2-4	All industry d/e/g/	863	854	833	...	...	31141	29204	f/ 27635	...	...	2-4

a/ Establishments registered with the Office d'assurance accident du travail, maladie et maternite.
b/ Major group 352 is included in 351.
c/ Major group 383 is included in 382.
d/ Major group 384; incomplete coverage.
e/ Including repair services.
f/ Excluding major group 324.
g/ Excluding gas and steam.

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES a/ (THOUSAND GOURDES) 1986	1987	*1988	1989	1990	4. VALUE ADDED IN PRODUCERS' PRICES b/c/d/ (MILLION GOURDES) 1986	1987	*1988	1989	1990	ISIC
210	Coal mining	-	-	-	...	...	-	-	-	...	...	210
220	Petroleum and gas	-	-	-	...	...	-	-	-	...	...	220
230	Metal ore mining	40	149	149	...	...	5.3	5.3	5.3	...	...	230
290	Other mining	-	-	-	...	...	-	-	-	...	...	290
2	Mining, quarrying .	40	149	149	...	...	5.3	5.3	5.3	...	...	2
311/2	Food products	77750	69475	69696	...	...	287.2	241.5	238.3	...	...	311/2
313	Beverages	11266	12737	12925	...	...	17.2	22.4	23.4	...	...	313
314	Tobacco	7228	7332	7332	...	...	29.8	28.7	33.3	...	...	314
321	Textiles	13242	12866	11065	...	...	e/ 118.6	e/ 112.8	e/ 107.8	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	48442	76726	75959	...	...	e/	e/	e/	...	...	322
323	Leather and products ...	5671	7164	10466	...	...	e/f/	e/f/	e/f/	...	...	323
324	Footwear	6789	6842	...	...	...	e/	e/	e/	...	...	324
331	Wood products	399	371	970	...	...	...	...	...	...	...	331
332	Furniture, fixtures	2264	1941	2720	...	...	...	...	...	...	...	332
341	Paper and products	753	606	696	...	...	-	-	-	...	...	341
3411	Pulp,paper etc.	-	-	-	...	...	-	-	-	...	...	3411
342	Printing,publishing	3866	4116	4594	...	...	g/	g/	g/	...	...	342
351	Industrial chemicals ...	h/ 4779	h/ 13532	h/ 13532	...	...	i/ 33.7	i/ 43.7	i/ 45.8	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc.	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	h/	h/	h/	...	...	i/	i/	i/	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	-	-	-	...	...	-	-	-	...	...	353
354	Petroleum,coal products.	-	-	-	...	...	-	-	-	...	...	354
355	Rubber products	1826	1826	1826	...	...	i/	i/	i/	...	...	355
356	Plastic products n.e.c..	311	446	686	...	...	i/	i/	i/	...	...	356
361	Pottery,china etc	-	-	-	...	...	-	-	-	...	...	361
362	Glass and products	-	59	-	...	...	-	-	-	...	...	362
369	Non-metal products n.e.c	19355	20090	20893	...	...	36.9	37.4	39.6	...	...	369
371	Iron and steel	4932	4650	4751	...	...	...	...	...	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products	6552	9768	7546	...	...	[j/ 191.3	j/ 191.2	j/ 183.2]	...	...	381
382	Machinery n.e.c.	k/ 24922	k/ 29071	k/ 32859	...	...				...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	k/	k/	k/	...	...	j/	j/	j/	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	l/ 61	l/ 61	l/ 62	...	...	j/	j/	j/	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	-	-	-	...	...	-	-	-	...	...	385
390	Other industries	40829	27981	25885	...	...	g/ 99.4	g/ 105.5	g/ 105.5	...	...	390
3	Manufacturing ..... m/	l/ 281237	l/ 307296	l/n/ 304463	...	...	o/p/ 815.3	o/p/ 783.2	o/p/ 776.8	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc q/	42096	41928	42124	...	...	46.6	49.5	53.8	...	...	4
2-4	All industry m/q/	l/ 323373	l/ 349373	l/n/ 346736	...	...	o/p/ 867.2	o/p/ 838.0	o/p/ 835.9	...	...	2-4

a/ Establishments registered with the Office d'assurance accident du travail, maladie et maternite.
b/ Contributions to the gross domestic product.
c/ All establishments including handicrafts.
d/ At prices of 1975/76.
e/ Major groups 322 to 324 are included in 321.
f/ Goat skin industry only.
g/ Major group 342 is included in 390.
h/ Major group 352 is included in 351.
i/ Major groups 352, 355 and 356 are included in 351.
j/ Major groups 383 and 384 are included in 381 and 382 combined.
k/ Major group 383 is included in 382.
l/ Major group 384; incomplete coverage.
m/ Excluding major group 324.
n/ Excluding major group 323 other than goat skin industry.
o/ Excluding industries for major group 323 other than goat skin industry.
p/ Excluding major groups 331, 332 and 371.
q/ Excluding gas and steam.

HONDURAS

The information in the tables, except for the indices, is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Dirección General de Estadística y Censos, Tegucigalpa.

The data are derived from the annual industrial survey undertaken by the Dirección General de Estadística y Censos, in co-operation with the Banco Central de Honduras and the Consejo Superior de Planificación Económica. The inquiry covers registered establishments with 5 or more persons engaged. The inquiry is carried by field enumerators.

The data are based on the national classification scheme, which generally follows the present version of the ISIC. The concepts and definitions are generally in accordance with the United Nations standards although the following points should be noted:

Number of persons engaged refers to total number of persons engaged including homeworkers;

Output refers to gross output and is not adjusted for the cost of purchases of goods for resale without further processing;

Value added refers to total value added;

Gross fixed capital formation excludes land and land improvements.

Valuation of both output and value added is in producers' prices.

The index numbers of industrial production are compiled by the Departamento de Investigaciones Industriales, Banco Central de Honduras and provided in response to the United Nations Questionnaire on Indices of Industrial Production.

Related national publication:

Investigación Industrial (annual), published by the Dirección General de Estadística y Censos, Tegucigalpa.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. WAGES AND SALARIES OF EMPLOYEES a/ (THOUSAND LEMPIRAS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	351	439	532	...	...	104462	108253	128706	...	...	311/2
313	Beverages	23	27	33	...	...	46168	48985	55207	...	...	313
314	Tobacco	20	19	25	...	...	13848	12038	13046	...	...	314
321	Textiles	31	36	39	...	...	16015	21062	22476	...	...	321
3211	Spinning,weaving etc..	9	13	15	...	...	11086	14386	15511	...	...	3211
322	Wearing apparel	101	114	129	...	...	20376	20848	22918	...	...	322
323	Leather and products ...	23	22	23	...	...	2653	2745	3233	...	...	323
324	Footwear	50	45	51	...	...	3812	3602	4935	...	...	324
331	Wood products	147	170	191	...	...	49803	50933	50542	...	...	331
332	Furniture, fixtures	104	132	155	...	...	12416	12170	11942	...	...	332
341	Paper and products	15	16	17	...	...	11765	13341	15008	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	95	102	114	...	...	16666	17905	21110	...	...	342
351	Industrial chemicals ...	10	10	11	...	...	2104	2148	2219	...	...	351
3511	Basic excl fertilizers	5	5	5	...	...	1428	1284	1222	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	64	65	62	...	...	20648	23435	24202	...	...	352
3522	Drugs and medicines ..	23	22	21	...	...	6636	7008	7032	...	...	3522
353	Petroleum refineries ...	3	3	3	...	...	4955	4875	5551	...	...	353
354	Petroleum,coal products.	-	-	-	...	...	-	-	-	...	...	354
355	Rubber products	34	36	36	...	...	7815	8474	10811	...	...	355
356	Plastic products n.e.c..	27	28	31	...	...	17893	21527	25849	...	...	356
361	Pottery,china etc	7	7	7	...	...	490	408	403	...	...	361
362	Glass and products	-	-	-	...	...	-	-	-	...	...	362
369	Non-metal products n.e.c	88	79	88	...	...	25113	26277	33881	...	...	369
371	Iron and steel	2	3	3	...	...	1454	2193	2360	...	...	371
372	Non-ferrous metals	2	4	4	...	...	1094	1192	1156	...	...	372
381	Metal products	70	69	74	...	...	20129	21606	22206	...	...	381
382	Machinery n.e.c.	28	25	27	...	...	3644	3499	4255	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	21	22	20	...	...	6552	7094	7172	...	...	383
3832	Radio,television etc..	7	7	5	...	...	2691	2678	2490	...	...	3832
384	Transport equipment	19	23	24	...	...	1913	3133	2988	...	...	384
3841	Shipbuilding, repair..	5	5	6	...	...	939	1107	1081	...	...	3841
3843	Motor vehicles	9	13	13	...	...	620	1607	1475	...	...	3843
385	Professional goods	9	12	12	...	...	658	1039	1126	...	...	385
390	Other industries	55	60	71	...	...	5526	6532	7232	...	...	390
3	Manufacturing	1399	1568	1782	...	...	417972	445014	500541	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.

HONDURAS

ISIC	INDUSTRY	3. OUTPUT IN PRODUCERS' PRICES a/ (MILLION LEMPIRAS)					4. VALUE ADDED IN PRODUCERS' PRICES a/b/ (MILLION LEMPIRAS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	1232.0	1290.8	1526.2	...	...	291.3	305.5	373.9	...	...	311/2
313	Beverages	402.9	435.7	499.9	...	...	238.6	246.9	289.8	...	...	313
314	Tobacco	148.6	149.0	161.0	...	...	112.1	148.3	161.0	...	...	314
321	Textiles	77.8	95.3	117.4	...	...	19.7	34.1	43.4	...	...	321
3211	Spinning,weaving etc..	62.0	77.5	93.6	...	...	14.9	27.4	32.5	...	...	3211
322	Wearing apparel	66.8	68.8	82.2	...	...	27.1	27.3	31.7	...	...	322
323	Leather and products ...	19.9	20.4	23.4	...	...	4.4	5.5	9.3	...	...	323
324	Footwear	16.8	18.1	24.1	...	...	7.0	5.6	5.1	...	...	324
331	Wood products	195.5	239.8	259.0	...	...	61.4	72.0	62.8	...	...	331
332	Furniture, fixtures	46.2	54.6	60.0	...	...	18.4	16.6	19.6	...	...	332
341	Paper and products	108.4	132.2	155.7	...	...	21.8	27.1	30.3	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	55.0	60.2	80.5	...	...	26.4	28.0	31.7	...	...	342
351	Industrial chemicals ...	12.6	17.5	14.2	...	...	4.0	5.6	5.8	...	...	351
3511	Basic excl fertilizers	5.4	7.0	6.6	...	...	2.5	3.6	3.6	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	168.7	185.3	203.1	...	...	45.4	50.6	54.6	...	...	352
3522	Drugs and medicines ..	39.2	44.8	42.4	...	...	12.0	12.4	14.0	...	...	3522
353	Petroleum refineries ...	417.4	474.0	507.9	...	...	121.9	122.4	134.1	...	...	353
354	Petroleum,coal products.	-	-	-	...	...	-	-	-	...	...	354
355	Rubber products	54.3	60.2	70.4	...	...	17.1	16.3	19.8	...	...	355
356	Plastic products n.e.c..	94.0	118.9	145.0	...	...	35.4	43.1	48.7	...	...	356
361	Pottery,china etc	1.5	1.7	2.2	...	...	0.8	0.6	0.8	...	...	361
362	Glass and products	-	-	-	...	...	-	-	-	...	...	362
369	Non-metal products n.e.c	123.6	154.0	204.9	...	...	49.7	58.0	79.4	...	...	369
371	Iron and steel	10.5	18.3	24.6	...	...	2.9	6.2	8.1	...	...	371
372	Non-ferrous metals	4.6	3.7	3.8	...	...	2.1	1.8	1.8	...	...	372
381	Metal products	128.2	138.6	157.6	...	...	44.9	48.1	48.8	...	...	381
382	Machinery n.e.c.	15.0	20.1	27.9	...	...	6.8	7.0	9.1	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	44.5	50.8	54.3	...	...	14.7	16.0	17.5	...	...	383
3832	Radio,television etc..	18.7	20.1	16.3	...	...	5.9	5.9	4.9	...	...	3832
384	Transport equipment	8.4	12.5	12.4	...	...	3.6	5.1	4.8	...	...	384
3841	Shipbuilding, repair..	2.0	2.0	2.1	...	...	1.2	1.1	1.2	...	...	3841
3843	Motor vehicles	2.8	6.0	5.7	...	...	1.1	2.6	2.5	...	...	3843
385	Professional goods	3.7	4.2	5.3	...	...	1.8	2.1	2.2	...	...	385
390	Other industries	23.1	31.4	37.9	...	...	10.6	12.1	13.7	...	...	390
3	Manufacturing	3484.5	3855.4	4461.3	...	...	1190.1	1278.8	1465.9	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.

b/ Net of non-industrial costs.

5. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	109	118	132	135	126	77	105	118	108	1.0	2
311/2	Food products	104	111	117	118	128	121	130	132	142	4.5	311/2
313	Beverages	93	103	108	107	109	120	137	143	146	4.8	313
314	Tobacco	106	94	100	108	100	98	108	119	126	2.9	314
321	Textiles ..... b/	69	73	80	80	70	86	105	118	121	2.4	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... b/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	[61	54	50	44	51	52	46	46	70	-4.4]	323
324	Footwear											324
331	Wood products	[82	77	77	78	78	85	83	79	73	-3.9]	331
332	Furniture, fixtures											332
341	Paper and products	80	105	109	125	142	173	182	177	185	8.0	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	101	115	122	84	92	134	110	175	60	-6.2	342
351	Industrial chemicals ... c/	116	112	138	124	138	156	150	172	166	6.5	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	98	107	114	108	103	118	130	144	149	5.1	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	106	99	134	161	156	181	140	123	146	4.8	356
361	Pottery,china etc ..... d/	86	116	132	104	110	129	161	176	190	8.4	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c d/	...	...	...	...	...	...	...	...	...	...	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	128	144	175	154	167	141	135	132	120	2.3	372
381	Metal products	[95	121	143	191	178	190	186	200	136	3.9]	381
382	Machinery n.e.c.											382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... e/	123	117	110	122	117	123	115	123	130	3.3	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... e/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods ..... e/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	86	122	161	215	219	238	212	278	355	17.2	390
3	Manufacturing	95	101	109	110	115	122	128	133	134	3.7	3
410	Electricity,gas,steam ..	115	123	129	148	158	185	208	217	246	11.9	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas,etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	98	104	113	116	119	123	132	138	140	4.3	2-4

a/ Annual growth rate 1982-1990.
b/ Major group 322 is included in 321.
c/ Major group 352 is included in 351.
d/ Major group 369 is included in 361.
e/ Major groups 384 and 385 are included in 383.

HONG KONG

The information in the tables is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Census and Statistics Department, Hong Kong.

The data cover all establishments in operation during the enumeration period and include estimates for the contribution of units that were in operation for all or part of the reference period but ceased operation during the survey period. For mining and quarrying, a full list of establishments is furnished to the Census and Statistics Department of Hong Kong by the Mines Division of the Labour Department. Two government quarries are excluded. For manufacturing, a comprehensive and up-to-date register is maintained by the Census and Statistics Department.

Survey questionnaires are mailed to a sample of establishments for completion. Staff of the Census and Statistics Department then visit those establishments, to collect completed questionnaires and assist respondents in completing the questionnaires, as needed. The data have been adjusted for non-response.

The Hong Kong industrial classification scheme basically follows the present version of the ISIC, with some local adaptations which however do not interfere with convertibility to the ISIC. The concepts and definitions used in reporting the data are generally in accordance with the United Nations standards, although the following points should be noted:

Wages and salaries relate to cash payments only, that is, exclude payments in kind. The data include severance and termination pay.

Supplements to wages and salaries include payments in kind, but exclude severance and termination pay.

Hours worked by operatives include vacation, casual and sick leave.

Output refers to gross output.

Value added refers to total value added, which is the same as the contribution to the gross domestic product. The data include payments to outworkers. Valuation of both output and value added is in producers' prices.

Gross fixed capital formation: machinery and equipment excludes transport equipment.

The date to which the value of stocks at the end of the year refers varies according to the accounting practices of individual establishments.

Related national publications:

Hong Kong Monthly Digest of Statistics; Hong Kong Annual Digest of Statistics; Report on the Survey of Industrial Production (annual), all published by the Census and Statistics Department, Hong Kong.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER) 1986	1987	1988	1989	1990	2. AVERAGE NUMBER OF PERSONS ENGAGED (THOUSANDS) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas	-	-	-	-	...	-	-	-	-	...	220
230	Metal ore mining	-	-	-	-	...	-	-	-	-	...	230
290	Other mining	12	8	8	6	...	0.8	0.6	0.6	0.5	...	290
2	Mining, quarrying .	12	8	8	6	...	0.8	0.6	0.6	0.5	...	2
311/2	Food products	955	940	950	928	...	18.9	19.6	19.3	18.7	...	311/2
313	Beverages	17	23	24	21	...	4.7	4.7	4.8	4.9	...	313
314	Tobacco	4	5	5	5	...	1.1	1.2	1.1	1.2	...	314
321	Textiles	5364	5359	5197	5118	...	133.2	129.4	124.4	126.1	...	321
3211	Spinning,weaving etc.. a/	2047	2289	2112	2074	...	62.8	64.5	62.1	59.1	...	3211
322	Wearing apparel	9677	9519	9530	9758	...	282.4	277.2	252.6	236.7	...	322
323	Leather and products ...	407	239	223	232	...	5.1	4.1	3.3	2.8	...	323
324	Footwear	394	490	460	405	...	9.2	8.5	9.5	7.1	...	324
331	Wood products	1200	860	892	758	...	6.2	5.2	4.5	4.0	...	331
332	Furniture, fixtures	1306	1328	1130	1196	...	8.5	9.2	7.2	7.1	...	332
341	Paper and products	1678	1563	1707	1886	...	17.3	17.7	17.9	18.5	...	341
3411	Pulp,paper etc.	67	63	72	53	...	1.7	1.8	1.6	1.3	...	3411
342	Printing,publishing	3544	4114	4716	4793	...	34.4	35.1	40.5	40.1	...	342
351	Industrial chemicals ... b/	821	865	800	864	...	9.7	9.8	8.7	9.2	...	351
3511	Basic excl fertilizers	55	60	60	54	...	0.9	1.0	1.0	0.9	...	3511
3513	Synthetic resins etc .	267	285	178	278	...	2.2	1.8	1.2	1.9	...	3513
352	Other chemical products. b/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	275	282	327	297	...	2.5	2.4	2.3	2.3	...	3522
353	Petroleum refineries ...	-	-	-	-	...	-	-	-	-	...	353
354	Petroleum,coal products.	-	-	3	4	...	-	-	0.2	0.2	...	354
355	Rubber products	178	166	193	216	...	1.8	2.0	1.8	1.6	...	355
356	Plastic products n.e.c..	5101	5409	5566	5281	...	94.1	89.3	74.5	64.0	...	356
361	Pottery,china etc	77	89	86	86	...	1.0	0.8	0.8	0.7	...	361
362	Glass and products	197	165	146	141	...	2.9	2.4	1.8	1.5	...	362
369	Non-metal products n.e.c	106	124	105	165	...	2.7	3.1	2.6	2.7	...	369
371	Iron and steel	85	75	123	98	...	[3.7	3.9	3.5	3.2	...	371
372	Non-ferrous metals	122	167	186	161	...					...	372
381	Metal products	7219	7393	7698	7293	...	70.5	70.9	67.5	60.0	...	381
382	Machinery n.e.c.	4640	4857	5281	5628	...	34.8	36.5	45.4	43.7	...	382
3825	Office,computing etc..	123	101	152	125	...	9.7	9.4	16.8	15.4	...	3825
383	Electrical machinery ...	2064	2023	1866	1623	...	116.6	121.7	107.4	91.2	...	383
3832	Radio,television etc..	962	984	900	830	...	74.6	78.5	70.4	61.7	...	3832
384	Transport equipment	408	500	560	650	...	13.3	15.3	14.4	15.3	...	384
3841	Shipbuilding, repair..	208	323	414	503	...	7.4	9.5	8.8	9.1	...	3841
3843	Motor vehicles	136	137	86	112	...	1.3	1.2	0.9	1.3	...	3843
385	Professional goods	1498	1374	1323	1694	...	38.6	40.1	39.5	37.8	...	385
390	Other industries	3036	3109	2902	3472	...	32.0	36.5	32.9	31.4	...	390
3	Manufacturing	50099	50756 c/	51671 c/	52475 c/	...	942.7	944.1 c/	886.0 c/	829.7 c/	...	3
410	Electricity,gas,steam ..	3	18	19	21	...	11.1	11.3	11.1	11.2	...	410
4101	Electricity	2	2	2	2	...	9.3	9.1	8.8	8.8	...	4101
420	Water works and supply .	1	1	1	1	...	4.8	4.9	5.0	5.1	...	420
4	Electricity,gas etc	4	19 c/	20 c/	22 c/	...	15.9	16.2 c/	16.1 c/	16.3 c/	...	4
2-4	All industry	50115	50783 c/	51699 c/	52503 c/	...	959.4	960.9 c/	902.7 c/	846.5 c/	...	2-4

a/ Data are incomplete due to confidentiality rules. b/ Major group 352 is included in 351.
c/ From 1987 onwards, data for distribution of LP gas through system of mains are included.

HONG KONG

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas	-	-	-	-	...	-	-	-	-	...	220
230	Metal ore mining	-	-	-	-	...	-	-	-	-	...	230
290	Other mining	0.8	0.6	0.6	0.5	...	55	53	56	58	...	290
2	Mining, quarrying .	0.8	0.6	0.6	0.5	...	55	53	56	58	...	2
311/2	Food products	17.8	18.3	18.1	17.5	...	773	905	1005	1142	...	311/2
313	Beverages	4.7	4.7	4.8	4.9	...	268	300	346	437	...	313
314	Tobacco	1.1	1.2	1.1	1.2	...	83	82	95	113	...	314
321	Textiles	126.8	123.4	119.0	120.5	...	5955	6826	7283	8346	...	321
3211	Spinning,weaving etc.. b/	60.7	62.3	60.3	57.2	...	3028	3672	3945	4234	...	3211
322	Wearing apparel	271.1	267.3	242.3	227.0	...	10963	12554	12640	13162	...	322
323	Leather and products ...	4.6	3.8	3.0	2.6	...	191	182	160	164	...	323
324	Footwear	8.8	8.0	9.1	6.7	...	392	380	490	369	...	324
331	Wood products	4.4	4.0	3.4	3.0	...	174	183	177	170	...	331
332	Furniture, fixtures	6.9	7.6	5.8	5.8	...	293	386	332	384	...	332
341	Paper and products	15.4	16.0	15.9	16.4	...	703	829	956	1151	...	341
3411	Pulp,paper etc.	1.7	1.7	1.6	1.3	...	81	100	98	94	...	3411
342	Printing,publishing	30.0	30.0	34.4	34.1	...	1495	1710	2345	2661	...	342
351	Industrial chemicals ...	2.9	2.3	1.9	c/ 8.4	...	146	137	138	c/ 660	...	351
3511	Basic excl fertilizers	0.8	0.9	1.0	0.8	...	52	64	75	88	...	3511
3513	Synthetic resins etc .	1.9	1.4	0.9	1.6	...	92	71	60	125	...	3513
352	Other chemical products.	5.9	6.4	5.9	c/	...	281	340	374	c/	...	352
3522	Drugs and medicines ..	2.1	2.1	1.9	2.0	...	86	88	104	132	...	3522
353	Petroleum refineries ...	-	-	-	-	...	-	-	-	-	...	353
354	Petroleum,coal products.	-	-	0.2	0.2	...	-	-	17	26	...	354
355	Rubber products	1.6	1.8	1.5	1.3	...	71	86	86	78	...	355
356	Plastic products n.e.c..	88.3	82.4	68.2	58.7	...	3593	3705	3682	3570	...	356
361	Pottery,china etc	0.9	0.7	0.6	0.6	...	...	34	33	31	...	361
362	Glass and products	2.6	2.2	1.7	1.3	...	110	95	88	83	...	362
369	Non-metal products n.e.c	2.5	3.0	2.5	2.5	...	b/ 158	225	200	238	...	369
371	Iron and steel	1.8	1.7	1.4	1.3	...	108	101	101	103	...	371
372	Non-ferrous metals	1.6	1.8	1.7	1.7	...	91	122	130	141	...	372
381	Metal products	62.1	61.8	58.0	51.0	...	2443	2869	3132	3149	...	381
382	Machinery n.e.c.	29.3	30.8	39.3	37.5	...	1318	1612	2231	2498	...	382
3825	Office,computing etc..	9.6	9.4	16.8	15.4	...	353	400	739	893	...	3825
383	Electrical machinery ...	115.0	120.3	106.0	90.0	...	4494	5279	5537	5592	...	383
3832	Radio,television etc..	73.9	77.9	69.8	61.2	...	2905	3424	3657	3743	...	3832
384	Transport equipment	12.8	14.8	13.7	14.6	...	855	1088	1223	1516	...	384
3841	Shipbuilding, repair..	7.2	9.1	8.3	8.5	...	436	630	593	839	...	3841
3843	Motor vehicles	1.1	1.1	0.8	1.2	...	b/ 45	b/ 9	b/ 47	b/ 76	...	3843
385	Professional goods	37.2	38.9	38.5	36.4	...	1550	1745	2085	2278	...	385
390	Other industries	27.9	32.6	29.2	27.7	...	1295	1698	1821	2027	...	390
3	Manufacturing	884.1	885.7	827.3	772.8	...	37850	43474	46708	50088	...	3
410	Electricity,gas,steam ..	11.1	d/ 11.3	d/ 11.1	d/ 11.2	...	946	d/ 1052	d/ 1207	d/ 1419	...	410
4101	Electricity	9.3	9.1	8.8	8.8	...	...	...	...	...	...	4101
420	Water works and supply .	4.8	4.9	5.0	5.1	...	367	406	474	543	...	420
4	Electricity,gas etc	15.9	d/ 16.2	d/ 16.0	d/ 16.3	...	1314	d/ 1458	d/ 1681	d/ 1962	...	4
2-4	All industry	900.8	d/ 902.5	d/ 843.9	d/ 789.6	...	39219	d/ 44985	d/ 48445	d/ 52108	...	2-4

a/ Excluding payments in kind but including severance and termination pay.
b/ Data are incomplete due to confidentiality rules. c/ Major group 352 is included in 351.
d/ From 1987 onwards, data for distribution of LP gas through system of mains are included.

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES a/ (MILLION DOLLARS)					6. AVERAGE NUMBER OF OPERATIVES (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas	-	-	-	-	...	-	-	-	-	...	220
230	Metal ore mining	-	-	-	-	...	-	-	-	-	...	230
290	Other mining	6	6	7	6	...	0.7	0.5	0.5	0.4	...	290
2	Mining, quarrying .	6	6	7	6	...	0.7	0.5	0.5	0.4	...	2
311/2	Food products	81	81	89	103	...	13.5	14.2	13.9	13.5	...	311/2
313	Beverages	26	27	36	54	...	1.8	1.8	1.3	1.5	...	313
314	Tobacco	24	34	35	44	...	0.8	0.8	0.8	0.7	...	314
321	Textiles	286	314	361	408	...	108.7	105.2	100.0	100.5	...	321
3211	Spinning,weaving etc.. b/	161	197	235	239	...	52.2	53.1	49.6	47.7	...	3211
322	Wearing apparel	344	415	401	483	...	245.3	237.2	214.9	198.4	...	322
323	Leather and products ...	12	10	11	14	...	4.1	3.2	2.5	2.2	...	323
324	Footwear	12	12	14	11	...	8.1	7.2	8.1	5.9	...	324
331	Wood products	15	17	17	16	...	4.0	3.6	3.0	2.6	...	331
332	Furniture, fixtures	13	17	14	16	...	6.3	6.8	5.1	5.2	...	332
341	Paper and products	42	57	63	78	...	12.9	13.5	12.9	13.5	...	341
3411	Pulp,paper etc.	5	8	7	9	...	1.4	1.4	1.3	1.0	...	3411
342	Printing,publishing	96	85	110	145	...	22.3	22.4	26.0	24.9	...	342
351	Industrial chemicals ... c/	37	45	56	74	...	6.2	6.2	5.2	5.7	...	351
3511	Basic excl fertilizers	6	10	11	13	...	0.4	0.5	0.5	0.5	...	3511
3513	Synthetic resins etc .	11	7	9	17	...	0.8	1.2	0.6	1.2	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	5	6	5	6	...	1.4	1.5	1.4	1.5	...	3522
353	Petroleum refineries ...	-	-	-	-	...	-	-	-	-	...	353
354	Petroleum,coal products.	-	-	2	3	...	-	-	0.1	0.1	...	354
355	Rubber products	4	4	4	4	...	1.4	1.5	1.3	1.1	...	355
356	Plastic products n.e.c..	164	168	164	195	...	76.3	70.7	56.7	47.8	...	356
361	Pottery,china etc	[				...	[				...	361
362	Glass and products	24	29	31	29	...	5.1	4.7	3.9	3.5	...	362
369	Non-metal products n.e.c	]				...	]				...	369
371	Iron and steel	[				...	[				...	371
372	Non-ferrous metals	15	15	19	21	...	2.6	2.7	2.4	2.2	...	372
381	Metal products	138	160	170	189	...	55.2	54.8	50.8	44.2	...	381
382	Machinery n.e.c.	75	82	120	172	...	25.1	25.8	31.3	29.6	...	382
3825	Office,computing etc..	21	16	36	78	...	7.9	7.2	12.3	11.0	...	3825
383	Electrical machinery ...	204	247	302	342	...	94.1	95.6	80.6	64.4	...	383
3832	Radio,television etc..	132	167	217	242	...	59.4	60.8	51.8	43.3	...	3832
384	Transport equipment	101	112	143	185	...	10.8	12.6	11.5	12.5	...	384
3841	Shipbuilding, repair..	24 b/	29 b/	31 b/	49 b/	...	6.2	8.0	5.8	7.5	...	3841
3843	Motor vehicles	3	1	4	6	...	0.9	0.9	0.7	1.0	...	3843
385	Professional goods	62	80	90	129	...	31.8	32.5	30.7	27.9	...	385
390	Other industries	61	84	100	92	...	23.7	26.3	23.4	22.0	...	390
3	Manufacturing	1836	2095	2354	2809	...	760.2	749.4	686.6	630.0	...	3
410	Electricity,gas,steam ..	282	316 d/	315 d/	345 d/	...	6.2	5.9 d/	5.7 d/	5.4 d/	...	410
4101	Electricity	...	...	...	...	...	5.0	4.5	4.3	4.3	...	4101
420	Water works and supply .	148	178 d/	163 d/	190 d/	...	3.5	3.5 d/	3.5 d/	3.7 d/	...	420
4	Electricity,gas etc	430	494 d/	478 d/	535 d/	...	9.7	9.4 d/	9.2 d/	9.0 d/	...	4
2-4	All industry	2271	2595 d/	2839 d/	3350 d/	...	770.6	759.3 d/	696.3 d/	639.5 d/	...	2-4

a/ Including payments in kind but excluding severance and termination pay
b/ Data are incomplete due to confidentiality rules. c/ Major group 352 is included in 351.
d/ From 1987 onwards, data for distribution of LP gas through system of mains are included.

HONG KONG

ISIC	INDUSTRY	7. HOURS WORKED BY OPERATIVES a/ (MILLIONS)					8. OUTPUT IN PRODUCERS' PRICES b/ (MILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas	-	-	-	-	...	-	-	-	-	...	220
230	Metal ore mining	-	-	-	-	...	-	-	-	-	...	230
290	Other mining	2	2	1	1	...	547	449	398	417	...	290
2	Mining, quarrying .	2	2	1	1	...	547	449	398	417	...	2
311/2	Food products	32	34	34	33	...	5639	6484	7740	8217	...	311/2
313	Beverages	5	5	4	4	...	2273	2348	2992	3423	...	313
314	Tobacco	2	2	2	2	...	1707	2208	2759	3465	...	314
321	Textiles	275	269	253	252	...	40813	44376	47445	54907	...	321
3211	Spinning,weaving etc.. c/	136	140	131	125	...	20703	23942	25912	27273	...	3211
322	Wearing apparel	584	574	511	470	...	46071	60806	59771	61631	...	322
323	Leather and products ...	10	8	6	5	...	1208	1422	1361	1405	...	323
324	Footwear	19	18	20	14	...	1417	1462	2003	1978	...	324
331	Wood products	9	9	7	6	...	1174	1569	1441	1278	...	331
332	Furniture, fixtures	15	16	12	12	...	1381	1839	1488	1739	...	332
341	Paper and products	32	34	33	34	...	4982	6026	7676	7210	...	341
3411	Pulp,paper etc.	3	4	3	3	...	721	1034	1008	686	...	3411
342	Printing,publishing	57 d/	57 d/	66 d/	61 d/	...	6752	8480	11955	13020 d/	...	342
351	Industrial chemicals ...	15	15	12	14	...	1817	1815	2778	6556	...	351
3511	Basic excl fertilizers	1	1	1	1	...	378	520	635	722	...	3511
3513	Synthetic resins etc .	4	3	2	3	...	1421	1274	2120	2702	...	3513
352	Other chemical products.	d/	d/	d/	d/	...	1963	2465	2837	d/	...	352
3522	Drugs and medicines ..	3	3	3	4	...	473	538	631	696	...	3522
353	Petroleum refineries ...	-	-	-	-	...	-	-	-	-	...	353
354	Petroleum,coal products.	-	-	-	-	...	-	-	118	249	...	354
355	Rubber products	3	4	3	2	...	280	397	428	374	...	355
356	Plastic products n.e.c..	186	174	137	117	...	21094	23778	24966	24795	...	356
361	Pottery,china etc	[			]	...	[ ]	127	135	120	...	361
362	Glass and products	13	12	10	9	...	3438	705	546	522	...	362
369	Non-metal products n.e.c	]			]	...	]	3394	3973	4192	...	369
371	Iron and steel	[6	7	6	5]	...	[2139	2897	3277	3741]	...	371
372	Non-ferrous metals					...					...	372
381	Metal products	133	135	125	108	...	13315	17235	21442	20729	...	381
382	Machinery n.e.c.	62	64	75	72	...	7758	10613	15540	19552	...	382
3825	Office,computing etc..	18	16	26	24	...	3346	4531	8138	11329	...	3825
383	Electrical machinery ...	217	219	186	148	...	35926	49835	53840	46687	...	383
3832	Radio,television etc..	136	138	119	100	...	24696	34913	38568	33195	...	3832
384	Transport equipment	28	33	32	34	...	2227	2868	3399	3978	...	384
3841	Shipbuilding, repair..	17	21	17	20	...	1018	1644	1608	2107	...	3841
3843	Motor vehicles ..... c/	2	-	2	2	...	181	49	193	330	...	3843
385	Professional goods	75	76	74	65	...	16129	18570	22780	21871	...	385
390	Other industries	56	63	54	52	...	8556	12410	14405	15271	...	390
3	Manufacturing	1834	1826	1663	1521	...	228059	284130	317096	326909	...	3
410	Electricity,gas,steam ..	15	14 e/	14 e/	13 e/	...	11316	12801 e/	13683 e/	15250 e/	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	10	9 e/	9 e/	9 e/	...	839	884 e/	847 e/	995 e/	...	420
4	Electricity,gas etc	25	23 e/	22 e/	22 e/	...	12155	13684 e/	14530 e/	16246 e/	...	4
2-4	All industry	1861	1851	1686	1544	...	240761	298263	332024	343571	...	2-4

a/ Including vacation and casual or sick leave.
b/ Gross output (i.e. including non-industrial services).
c/ Data are incomplete due to confidentiality rules and are not strictly comparable to corresponding figures for other years.
d/ Major group 352 is included in 351.
e/ From 1987 onwards, data for distribution of LP gas through system of mains are included.

ISIC	INDUSTRY	9. VALUE ADDED IN PRODUCERS' PRICES a/ (MILLION DOLLARS) 1986	1987	1988	1989	1990	10. GROSS FIXED CAPITAL FORMATION TOTAL (MILLION DOLLARS) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas	-	-	-	-	...	-	-	-	-	...	220
230	Metal ore mining	-	-	-	-	...	-	-	-	-	...	230
290	Other mining	318	248	218	214	...	11	-4	3	8	...	290
2	Mining, quarrying .	318	248	218	214	...	11	-4	3	8	...	2
311/2	Food products	1411	1793	2387	2438	...	113	271	260	246	...	311/2
313	Beverages	1116	1010	1310	1464	...	88	-310	75	-50	...	313
314	Tobacco	872	1193	1599	2125	...	136	174	219	197	...	314
321	Textiles	10990	12578	12925	14297	...	2017	1830	1525	2088	...	321
3211	Spinning,weaving etc.. b/	6118	7118	7081	7388	...	1209	1080	849	1262	...	3211
322	Wearing apparel	14540	17835	17858	19194	...	920	1434	1808	820	...	322
323	Leather and products ...	291	336	287	322	...	43	40	35	19	...	323
324	Footwear	476	466	625	603	...	32	34	44	144	...	324
331	Wood products	301	353	327	282	...	22	22	45	46	...	331
332	Furniture, fixtures	419	598	506	604	...	42	67	42	37	...	332
341	Paper and products	1199	1434	1723	1915	...	334	658	573	444	...	341
3411	Pulp,paper etc.	124	187	177	99	...	37	29	7	32	...	3411
342	Printing,publishing	2735	3553	4802	5561	...	613	860	1441	950	...	342
351	Industrial chemicals ...	405	370	507	c/ 1714	...	c/ 139	c/ 150	c/ 171	c/ -488	...	351
3511	Basic excl fertilizers	164	197	229	293	...	19	15	42	41	...	3511
3513	Synthetic resins etc .	238	167	270	416	...	26	53	56	47	...	3513
352	Other chemical products.	604	773	838	c/	...	c/	c/	c/	c/	...	352
3522	Drugs and medicines ..	173	216	216	273	...	13	10	21	16	...	3522
353	Petroleum refineries ...	-	-	-	-	...	-	-	-	-	...	353
354	Petroleum,coal products.	-	-	43	101	...	-	-	2	17	...	354
355	Rubber products	98	134	139	148	...	11	27	13	20	...	355
356	Plastic products n.e.c..	6196	6064	6619	6931	...	1406	813	1622	1141	...	356
361	Pottery,china etc	[	56	58	51	...	[				...	361
362	Glass and products	746	217	155	198	...	82	-874	119	232	...	362
369	Non-metal products n.e.c	]	390	408	589	...	]				...	369
371	Iron and steel	170	209	221	290	...	[				...	371
372	Non-ferrous metals	190	225	295	324	...	-388	-41	215	365	...	372
381	Metal products	4221	5146	5902	5882	...	490	860	937	856	...	381
382	Machinery n.e.c.	2355	2979	4641	5183	...	779	764	968	1130	...	382
3825	Office,computing etc..	644	780	1970	2177	...	379	216	319	537	..	3825
383	Electrical machinery ...	8216	10985	11140	11064	...	1620	2469	2907	2423	...	383
3832	Radio,television etc..	5368	7502	7577	7624	...	1048	1629	2243	1768	...	3832
384	Transport equipment	1281	1615	1886	2324	...	48	129	-305	432	...	384
3841	Shipbuilding, repair..	521	823	785	1130	...	7	59	-378	241	...	3841
3843	Motor vehicles ..... b/	60	18	85	139	...	3	-	1	55	...	3843
385	Professional goods	2582	2949	3993	4170	...	191	421	473	434	...	385
390	Other industries	2198	3290	3146	3367	...	302	386	334	286	...	390
3	Manufacturing	63613	76551	84338	91143	...	9038	10184	13523	11790	...	3
410	Electricity,gas,steam ..	8066	d/ 9393	d/ 10013	d/ 10599	...	5315	d/ 3873	d/ 4212	d/ 5221	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	466	472	388	491	...	204	605	539	620	...	420
4	Electricity,gas etc	8533	d/ 9865	d/ 10402	d/ 11090	...	5519	d/ 4478	d/ 4750	d/ 5841	...	4
2-4	All industry	72464	d/ 86664	d/ 94958	d/ 102447	...	14567	d/ 14658	d/ 18276	d/ 17639	...	2-4

a/ Contribution to the gross domestic product.
b/ Data are incomplete due to confidentiality rules.
c/ Major group 352 is included in 351.
d/ From 1987 onwards, data for distribution of LP gas through system of mains are included.

ISIC	INDUSTRY	11. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/ (MILLION DOLLARS)					12. VALUE OF STOCKS AT END OF PERIOD TOTAL (MILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas	-	-	-	-	...	-	-	-	-	...	220
230	Metal ore mining	-	-	-	-	...	-	-	-	-	...	230
290	Other mining	23	-6	3	4	...	56	55	36	43	...	290
2	Mining, quarrying	23	-6	3	4	...	56	55	36	43	...	2
311/2	Food products	44	102	146	123	...	421	507	711	614	...	311/2
313	Beverages	38	20	29	73	...	208	248	300	312	...	313
314	Tobacco	115	97	49	54	...	442	446	618	794	...	314
321	Textiles	1413	1213	1011	1164	...	3973	4778	4932	5218	...	321
3211	Spinning,weaving etc.. b/	927	882	759	758	...	1709	2333	2237	2497	...	3211
322	Wearing apparel	362	467	554	593	...	5032	5837	6732	5600	...	322
323	Leather and products	13	16	19	15	...	116	141	164	167	...	323
324	Footwear	16	18	22	31	...	116	140	206	208	...	324
331	Wood products	6	8	10	15	...	117	186	213	145	...	331
332	Furniture, fixtures	5	11	7	13	...	111	195	171	181	...	332
341	Paper and products	213	311	461	252	...	267	407	539	388	...	341
3411	Pulp,paper etc.	29	16	21	20	...	56	54	69	48	...	3411
342	Printing,publishing	466	522	950	579	...	411	571	771	724	...	342
351	Industrial chemicals c/	46	67	99	99	...	603	649	944	1032	...	351
3511	Basic excl fertilizers	12	6	28	22	...	47	95	134	172	...	3511
3513	Synthetic resins etc	22	27	23	32	...	175	123	316	297	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines	2	3	10	3	...	115	85	109	123	...	3522
353	Petroleum refineries	-	-	-	-	...	-	-	-	-	...	353
354	Petroleum,coal products.	-	-	2	14	...	-	-	6	8	...	354
355	Rubber products	6	11	9	7	...	20	49	32	32	...	355
356	Plastic products n.e.c.	732	675	817	573	...	1695	2208	1987	2062	...	356
361	Pottery,china etc	[				...					...	361
362	Glass and products		21	-288	60	131	...		246	291	238	227	...	362
369	Non-metal products n.e.c	]				...	]					...	369
371	Iron and steel	[	23	25	131	180	...	[	339	402	791	667	...	371
372	Non-ferrous metals	]				...	]					...	372
381	Metal products	269	440	499	521	...	1353	1819	2231	2324	...	381
382	Machinery n.e.c.	409	410	493	538	...	1023	1680	2454	2717	...	382
3825	Office,computing etc..	164	129	172	251	...	558	981	1432	1542	...	3825
383	Electrical machinery	738	1413	1702	1197	...	5543	7658	9351	8614	...	383
3832	Radio,television etc..	518	1036	1377	923	...	3801	5163	6515	5355	...	3832
384	Transport equipment	23	49	116	201	...	290	297	463	357	...	384
3841	Shipbuilding, repair..	-111	11 b/	91	119	...	143	145	200	154	...	3841
3843	Motor vehicles b/	2	-	1	13	...	2	10	34	25	...	3843
385	Professional goods	92	197	191	158	...	1724	2554	3379	3358	...	385
390	Other industries	87	173	130	146	...	1112	1880	2933	3190	...	390
3	Manufacturing	5137	5957	7506	6679	...	25163	32941	40166	38939	...	3
410	Electricity,gas,steam	3001	2177 d/	3159 d/	3933 d/	...	640	716 d/	895 d/	1207 d/	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	16	39	31	43	...	5	6	6	11	...	420
4	Electricity,gas etc	3018	2216 d/	3189 d/	3976 d/	...	645	722 d/	901 d/	1218 d/	...	4
2-4	All industry	8178	8167 d/	10698 d/	10659 d/	...	25864	33718 d/	41103 d/	40200 d/	...	2-4

a/ Excluding transport equipment.
b/ Data are incomplete due to confidentiality rules.
c/ Major group 352 is included in 351.
d/ From 1987 onwards, data for distribution of LP gas through system of mains are included.

HUNGARY

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Hungarian Central Statistical Office, Budapest.

The estimates are derived from the annual industrial inquiry carried out by the Hungarian Central Statistical Office. The figures given in the tables relate to the industrial enterprises possessing legal entities, i.e., excluding unincorporated enterprises.

The estimates are based on the national classification scheme which is generally comparable with the present version of ISIC with the exception of the following: publishing, water works and supply are not covered; and repair services for the general public are included in related manufacturing industries. The concepts, definitions and classification by branches of industry have been adjusted as far as possible to comply with United Nations standards, although the following should be noted:

Wages and salaries exclude gratuities, certain subsidies, family allowances, and housing allowances.

Number of operatives relate to all manual workers, whether or not directly engaged in production activities of the enterprises. Apprentices are not included in this category.

Output does not include goods shipped in the same condition as received. The valuation is net of turnover taxes and includes price supplements granted by the State on individual products.

Gross fixed capital formation relate to actual expenditure on new fixed assets. The corresponding value of sales is not covered.

The indices of industrial production are compiled by the Hungarian Central Statistical Office and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover all enterprises possesing legal entities.

Related national publication:

Statisztikai Evkönyv (Statistical Yearbook), published by the Hungarian Central Statistical Office, Budapest.

HUNGARY

ISIC	INDUSTRY	1. NUMBER OF ENTERPRISES (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	14	16	10	10	14	81	78	71	63	52	210
220	Petroleum and gas	7	6	5	6	7	15	14	14	14	13	220
230	Metal ore mining	7	7	8	10	11	14	14	13	12	10	230
290	Other mining	6	7	10	16	35	10	10	9	8	7	290
2	Mining, quarrying .	34	36	33	42	67	120	116	107	97	82	2
311/2	Food products	175	185	187	235	493	170	176	173	173	169	311/2
313	Beverages	24	26	27	38	87	26	26	25	25	25	313
314	Tobacco	6	6	6	6	7	5	5	5	5	5	314
321	Textiles	74	88	96	138	236	103	98	94	87	76	321
3211	Spinning,weaving etc..	34	47	48	74	109	76	71	68	63	55	3211
322	Wearing apparel	164	179	199	252	446	65	65	61	62	62	322
323	Leather and products ...	29	33	41	56	122	12	10	12	10	10	323
324	Footwear	66	67	67	79	122	37	36	34	31	28	324
331	Wood products	55	70	83	115	296	12	12	12	13	15	331
332	Furniture, fixtures	85	85	95	114	183	28	28	28	27	26	332
341	Paper and products	12	12	14	27	62	15	14	14	14	21	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	55	71	83	132	369	19	19	19	19	24	342
351	Industrial chemicals ...	38	43	43	63	134	41	40	38	38	37	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	24	24	28	42	81	27	26	25	25	26	352
3522	Drugs and medicines ..	18	17	17	19	36	24	24	23	23	23	3522
353	Petroleum refineries ...	4	4	4	4	5	6	6	6	6	6	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products	3	5	6	6	32	11	10	10	10	8	355
356	Plastic products n.e.c..	58	82	96	165	373	13	14	15	17	18	356
361	Pottery,china etc	13	13	14	15	42	12	12	11	12	12	361
362	Glass and products	7	8	10	14	28	17	16	16	15	15	362
369	Non-metal products n.e.c	34	42	49	69	149	34	33	31	30	28	369
371	Iron and steel	27	29	32	46	91	66	62	59	53	44	371
372	Non-ferrous metals	18	18	18	25	54	21	20	20	20	20	372
381	Metal products	125	151	193	276	558	52	50	52	51	50	381
382	Machinery n.e.c.	264	354	427	645	1436	123	121	127	130	136	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	209	242	265	305	571	152	150	145	134	120	383
3832	Radio,television etc..	131	145	155	169	292	96	95	94	86	73	3832
384	Transport equipment	145	162	172	225	416	96	93	81	74	67	384
3841	Shipbuilding, repair..	2	1	1	3	5	9	7	7	3	3	3841
3843	Motor vehicles	8	8	8	8	11	41	39	37	35	30	3843
385	Professional goods	99	121	165	272	489	54	52	50	48	44	385
390	Other industries	206	214	208	217	311	52	49	45	42	36	390
3	Manufacturing ..... b/	2019	2334	2628	3581	7193	1269	1243	1208	1171	1117	3
410	Electricity,gas,steam ..	28	28	27	27	40	53	55	56	55	57	410
4101	Electricity	22	22	21	21	32	41	42	43	42	44	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	28	28	27	27	40	53	55	56	55	57	4
2-4	All industry b/	2081	2398	2688	3650	7300	1442	1414	1371	1323	1256	2-4

Note: For concept and certain deviations in classification, see country note.

a/ Working proprietors and unpaid family workers are not found in socialist industry.
b/ Including repair services for the general public.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES (MILLION FORINTS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	81	78	71	63	52	9390	9513	12019	11680	11065	210
220	Petroleum and gas	15	14	14	14	13	1695	1778	2409	2872	3707	220
230	Metal ore mining	14	14	13	12	10	1592	1650	2266	2378	2505	230
290	Other mining	10	10	9	8	7	817	847	1001	1029	998	290
2	Mining, quarrying .	120	116	107	97	82	13494	13788	17695	17959	18275	2
311/2	Food products	170	176	173	173	169	13008	14628	19476	23009	27462	311/2
313	Beverages	26	26	25	25	25	1919	2027	2463	3015	3780	313
314	Tobacco	5	5	5	5	5	382	414	519	632	878	314
321	Textiles	103	98	94	87	76	6909	7239	8485	9024	9665	321
3211	Spinning,weaving etc..	76	71	68	63	55	5195	5418	6393	6761	7103	3211
322	Wearing apparel	65	65	61	62	62	3794	4003	4820	5728	6612	322
323	Leather and products ...	12	10	12	11	10	825	867	1090	1204	1460	323
324	Footwear	37	36	34	31	28	2425	2437	2688	2950	3160	324
331	Wood products	12	12	12	13	15	827	942	1164	1551	2137	331
332	Furniture, fixtures	28	28	28	27	26	1879	1995	2429	2909	3352	332
341	Paper and products	15	14	14	14	13	1369	1454	1818	2145	2409	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	19	19	19	19	21	1541	1712	2189	2790	4000	342
351	Industrial chemicals ...	41	40	38	38	37	3600	3889	5187	6371	7202	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	27	26	25	25	26	2451	2650	3450	4101	5272	352
3522	Drugs and medicines ..	24	24	23	23	23	2291	2475	3207	3796	4789	3522
353	Petroleum refineries ...	6	6	6	6	6	687	754	1019	1280	1689	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products	11	10	10	10	8	1016	1116	1519	1770	1714	355
356	Plastic products n.e.c..	13	14	15	17	18	1069	1270	1896	2386	2965	356
361	Pottery,china etc	12	12	11	12	12	843	929	1163	1427	1879	361
362	Glass and products.....	17	16	16	15	15	1273	1364	1621	1932	2362	362
369	Non-metal products n.e.c	34	33	31	30	28	2497	2647	3164	3635	4558	369
371	Iron and steel	66	62	59	53	44	5585	5672	7166	7874	8126	371
372	Non-ferrous metals	21	20	20	20	20	1917	2014	2880	3592	4129	372
381	Metal products	52	50	52	51	50	3781	4086	5364	6283	7407	381
382	Machinery n.e.c.	123	121	127	130	136	9531	10470	14132	17401	21218	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	152	150	145	134	120	11493	12249	14857	16157	17535	383
3832	Radio,television etc..	96	95	94	86	73	7384	7854	9663	10151	10474	3832
384	Transport equipment	96	93	81	74	67	7766	8155	8920	9405	10147	384
3841	Shipbuilding, repair..	9	7	7	3	3	712	681	809	415	447	3841
3843	Motor vehicles	41	39	37	35	30	3481	3560	4337	4696	4811	3843
385	Professional goods	54	52	50	48	44	4328	4590	5800	6765	7300	385
390	Other industries	52	49	45	42	36	3253	3269	3712	3973	3963	390
3	Manufacturing ..... a/	1269	1243	1208	1171	1117	95968	102842	128991	149309	172381	3
410	Electricity,gas,steam ..	53	55	56	55	57	4704	5067	6664	8081	11278	410
4101	Electricity	41	42	43	42	44	3651	3954	5235	6304	8897	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	53	55	56	55	57	4704	5067	6664	8081	11278	4
2-4	All industry a/	1442	1414	1371	1323	1256	114166	121697	153350	175349	201934	2-4

Note: For concept and certain deviations in classification, see country note.

a/ Including repair services for the general public.

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES (THOUSANDS)					6. WAGES AND SALARIES OF OPERATIVES (MILLION FORINTS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	67	65	59	53	44	7393	7415	9285	9064	8675	210
220	Petroleum and gas	11	11	11	10	9	1175	1266	1661	1896	2387	220
230	Metal ore mining	12	11	11	10	8	1243	1278	1703	1748	1751	230
290	Other mining	8	8	7	7	6	633	635	722	739	745	290
2	Mining, quarrying .	98	95	88	80	67	10444	10594	13371	13447	13558	2
311/2	Food products	136	141	139	139	136	9622	10834	13932	16176	19534	311/2
313	Beverages	20	20	19	19	18	1322	1383	1596	1910	2399	313
314	Tobacco	4	4	4	4	4	287	309	377	444	625	314
321	Textiles	85	81	77	73	63	5297	5481	6205	6538	6985	321
3211	Spinning,weaving etc..	62	59	56	52	45	3987	4103	4682	4917	5166	3211
322	Wearing apparel	56	54	51	56	52	2928	3052	3537	4126	4839	322
323	Leather and products ...	10	9	10	11	9	604	633	780	829	1026	323
324	Footwear	32	31	29	27	23	1908	1902	2036	2184	2362	324
331	Wood products	10	10	10	11	12	607	675	811	1056	1503	331
332	Furniture, fixtures	23	22	23	22	21	1386	1444	1699	1968	2291	332
341	Paper and products	12	12	11	11	10	1036	1095	1319	1505	1665	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	15	15	15	15	17	1164	1265	1544	1906	2761	342
351	Industrial chemicals ...	31	30	29	29	28	2519	2693	3405	4084	4572	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	19	19	18	18	19	1619	1725	2188	2548	3214	352
3522	Drugs and medicines ..	18	17	17	17	17	1512	1609	2039	2370	2947	3522
353	Petroleum refineries ...	5	5	5	5	4	479	517	676	842	1124	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products	8	8	7	7	6	674	732	930	1079	1036	355
356	Plastic products n.e.c..	10	10	11	14	14	706	826	1182	1405	1866	356
361	Pottery,china etc	10	10	10	10	10	651	705	846	1027	1397	361
362	Glass and products	14	14	13	13	13	999	1056	1216	1431	1772	362
369	Non-metal products n.e.c	27	26	25	23	22	1869	1939	2228	2471	3109	369
371	Iron and steel	55	51	48	43	36	4426	4460	5506	5855	6079	371
372	Non-ferrous metals	15	15	15	15	14	1303	1355	1838	2242	2611	372
381	Metal products	40	39	41	41	39	2709	2894	3669	4218	4983	381
382	Machinery n.e.c.	89	87	92	96	101	6386	6905	9017	11058	13833	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	111	108	106	99	86	7559	7928	9232	9964	10767	383
3832	Radio,television etc..	69	68	66	62	51	4763	4993	5852	6138	6289	3832
384	Transport equipment	72	69	61	56	51	5396	5618	5953	6192	6836	384
3841	Shipbuilding, repair..	6	5	5	2	2	468	435	494	260	258	3841
3843	Motor vehicles	31	29	28	26	22	2470	2515	2910	3096	3299	3843
385	Professional goods	38	36	35	34	29	2713	2821	3376	3761	3942	385
390	Other industries	42	39	35	45	29	2322	2291	2485	2593	2621	390
3	Manufacturing ..... a/	989	965	939	936	866	68491	72538	87583	99412	115752	3
410	Electricity,gas,steam ..	38	39	39	38	39	3044	3226	4061	4773	6587	410
4101	Electricity	29	30	30	29	30	2353	2503	3183	3734	5201	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	38	39	39	38	39	3044	3226	4061	4773	6587	4
2-4	All industry a/	1125	1099	1066	1054	972	81979	86358	105015	117632	135897	2-4

Note: For concept and certain deviations in classification, see country note.

a/ Including repair services for the general public.

ISIC	INDUSTRY	7. HOURS WORKED BY OPERATIVES (MILLIONS)					8. QUANTITY OF ELECTRICITY CONSUMED (MILLION KWH)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	114	112	101	89	73	1093	1151	1062	959	740	210
220	Petroleum and gas	19	19	19	18	16	271	291	303	316	301	220
230	Metal ore mining	18	18	18	15	12	336	342	326	301	272	230
290	Other mining	14	14	11	11	9	126	120	115	111	76	290
2	Mining, quarrying .	165	163	149	133	110	1826	1904	1806	1687	1389	2
311/2	Food products	229	243	240	237	232	1162	1231	1278	1304	1337	311/2
313	Beverages	33	33	32	32	31	220	233	232	262	275	313
314	Tobacco	7	7	7	6	6	24	24	23	22	23	314
321	Textiles	137	135	128	116	100	751	760	750	704	645	321
3211	Spinning,weaving etc..	102	100	94	85	72	671	674	667	626	569	3211
322	Wearing apparel	89	88	85	83	81	68	69	68	85	70	322
323	Leather and products ...	15	15	16	14	14	53	52	51	48	41	323
324	Footwear	52	52	48	44	39	59	61	60	57	54	324
331	Wood products	16	16	16	17	20	83	86	88	107	108	331
332	Furniture, fixtures	39	38	38	36	34	82	83	85	86	91	332
341	Paper and products	20	20	19	19	17	519	507	524	499	461	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	25	25	25	25	27	69	69	69	72	82	342
351	Industrial chemicals ...	53	52	50	49	47	2855	2911	2802	2808	2378	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	32	32	32	31	31	247	256	256	274	287	352
3522	Drugs and medicines ..	29	29	29	28	28	236	245	244	262	275	3522
353	Petroleum refineries ...	8	8	8	8	8	467	476	484	487	486	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products	14	13	12	12	10	116	117	116	123	111	355
356	Plastic products n.e.c..	15	17	18	18	21	138	149	152	159	170	356
361	Pottery,china etc	16	17	16	16	16	71	72	71	73	81	361
362	Glass and products	24	23	22	22	21	259	270	271	280	268	362
369	Non-metal products n.e.c	45	44	42	39	37	744	797	761	755	758	369
371	Iron and steel	93	89	85	73	60	2198	2198	2161	2210	1610	371
372	Non-ferrous metals	25	26	25	25	24	1932	1936	1945	1956	1910	372
381	Metal products	66	65	67	64	62	262	268	275	261	233	381
382	Machinery n.e.c.	150	149	157	159	166	442	447	475	489	539	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	185	184	180	162	141	567	594	586	569	507	383
3832	Radio,television etc..	115	116	115	102	84	305	321	322	316	279	3832
384	Transport equipment	120	119	105	94	83	525	538	479	444	368	384
3841	Shipbuilding, repair..	10	8	7	3	3	29	27	23	10	10	3841
3843	Motor vehicles	53	52	49	45	38	328	332	325	315	253	3843
385	Professional goods	63	61	59	54	47	120	125	118	124	102	385
390	Other industries	64	62	55	49	43	76	76	69	64	57	390
3	Manufacturing ..... a/	1635	1633	1587	1504	1418	14109	14405	14249	14322	13052	3
410	Electricity,gas,steam ..	64	66	66	64	65	270	285	241	238	345	410
4101	Electricity	49	51	51	49	52	251	266	224	223	330	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	64	66	66	64	65	270	285	241	238	345	4
2-4	All industry a/	1864	1862	1802	1701	1593	16205	16594	16296	16247	14786	2-4

Note: For concept and certain deviations in classification, see country note.

a/ Including repair services for the general public.

HUNGARY

ISIC	INDUSTRY	9. OUTPUT a/ (BILLION FORINTS)					10. VALUE ADDED a/ (BILLION FORINTS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	36.2	40.1	38.9	39.8	34.5	15.75	18.48	17.87	20.51	...	210
220	Petroleum and gas	50.9	48.1	47.6	48.8	58.6	40.44	37.52	37.10	29.93	...	220
230	Metal ore mining	5.9	6.1	6.0	6.2	9.0	2.60	2.68	2.72	2.69	...	230
290	Other mining	4.4	4.8	4.5	4.7	4.4	1.83	1.97	2.01	2.36	...	290
2	Mining, quarrying .	97.4	99.1	97.0	99.5	106.5	60.62	60.65	59.70	55.49	...	2
311/2	Food products	191.1	207.2	220.2	263.8	329.6	9.25	14.22	19.94	30.98	...	311/2
313	Beverages	25.9	26.6	25.4	32.0	42.1	5.53	5.76	5.65	7.66	...	313
314	Tobacco	7.0	7.5	7.3	8.9	11.5	1.48	1.67	1.57	2.20	...	314
321	Textiles	56.8	61.2	65.9	71.1	70.2	15.73	17.09	17.42	19.28	...	321
3211	Spinning,weaving etc..	41.8	45.1	49.6	53.6	51.6	11.59	12.39	12.77	13.66	...	3211
322	Wearing apparel	22.8	23.9	25.3	26.5	28.0	8.27	8.28	9.93	11.06	...	322
323	Leather and products ...	9.5	10.5	10.1	9.9	9.9	1.96	2.95	2.14	2.34	...	323
324	Footwear	18.3	19.0	17.7	17.4	17.3	4.39	3.63	3.53	4.54	...	324
331	Wood products	8.1	9.2	10.0	13.1	15.8	2.48	2.93	3.18	4.22	...	331
332	Furniture, fixtures	15.0	16.8	17.5	19.9	22.0	4.86	5.67	5.58	6.64	...	332
341	Paper and products	19.6	21.4	22.8	25.1	28.7	5.89	6.84	6.21	6.95	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	14.4	16.4	16.4	21.6	26.9	5.40	6.45	5.90	8.34	...	342
351	Industrial chemicals ...	74.8	82.4	92.3	102.3	110.8	14.57	19.46	24.99	30.51	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	41 6	45.4	50.4	57.1	58.4	15.65	17.23	20.44	23.62	...	352
3522	Drugs and medicines ..	37.9	41.3	47.8	51.8	51.0	14.69	13.11	21.18	22.28	...	3522
353	Petroleum refineries ..	81.7	73.8	72.6	78.7	106.5	5.19	11.08	9.80	16.05	...	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	...	354
355	Rubber products	11.8	13.2	14.1	16.8	15.5	3.97	4.63	4.71	5.93	...	355
356	Plastic products n.e.c..	13.3	16.2	18.2	22.6	26.3	4.22	5.45	6.37	7.86	...	356
361	Pottery,china etc	4.8	5.5	5.8	6.6	8.6	2.48	2.93	3.08	3.44	...	361
362	Glass and products	9.8	10.6	10.8	12.6	13.9	3.74	4.25	4.09	4.81	...	362
369	Non-metal products n.e.c	25.9	28.8	29.6	32.3	39.7	9.00	10.30	9.94	11.81	...	369
371	Iron and steel	75.1	78.5	87.6	108.4	115.1	11.55	12.83	19.68	26.94	...	371
372	Non-ferrous metals	35.3	37.7	48.1	71.6	71.9	1.64	1.91	5.18	18.04	...	372
381	Metal products	32.4	35.1	39.1	43.3	46.9	11.79	12.93	13.21	16.60	...	381
382	Machinery n.e.c.	77.1	86.1	89.8	111.6	115.0	30.79	34.88	33.69	44.92	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	104.6	117.2	117.1	131.1	120.8	42.59	46.39	42.34	48.09	...	383
3832	Radio,television etc..	60.5	67.9	68.2	75.8	64.0	28.53	30.27	28.31	31.46	...	3832
384	Transport equipment	95.5	98.2	87.8	92.7	74.1	27.76	27.21	23.58	27.22	...	384
3841	Shipbuilding, repair..	5.9	5.9	5.4	3.4	2.8	1.89	1.64	1.44	1.05	...	3841
3843	Motor vehicles	65.4	66.3	64.1	66.3	48.6	16.45	15.65	14.30	16.11	...	3843
385	Professional goods	32.9	36.0	38.6	45.1	42.3	16.44	17.36	17.80	21.39	...	385
390	Other industries	19.7	20.3	19.1	19.0	17.5	8.20	8.54	8.45	8.48	...	390
3	Manufacturing .... b/	1124.8	1204.7	1259.6	1461.1	1585.3	274.82	312.87	328.40	419.92	...	3
410	Electricity,gas,steam ..	111.8	126.5	139.2	146.3	187.0	33.73	42.87	54.55	57.89	...	410
4101	Electricity	80.3	90.9	101.5	106.7	133.5	29.42	38.35	49.04	50.34	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	...	420
4	Electricity,gas etc	111.8	126.5	139.2	146.3	187.0	33.73	42.87	54.55	57.89	...	4
2-4	All industry b/	1334.0	1430.3	1495.8	1706.9	1878.8	369.17	416.39	442.65	533.30	...	2-4

Note: For concept and certain deviations in classification, see country note.

a/ Net of turnover taxes.

b/ Including repair services for the general public.

ISIC	INDUSTRY	11. GROSS FIXED CAPITAL FORMATION TOTAL a/ (MILLION FORINTS)					12. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/ (MILLION FORINTS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	7033	6034	4691	4583	2699	4116	3623	2508	2461	1255	210
220	Petroleum and gas	8048	8806	9584	9326	7268	3544	3473	4145	4515	2713	220
230	Metal ore mining	1508	1946	2070	1587	891	666	771	899	640	415	230
290	Other mining	128	163	150	108	140	106	123	124	89	99	290
2	Mining, quarrying .	16717	16949	16495	15604	10998	8432	7990	7676	7705	4482	2
311/2	Food products	7602	8300	10321	13589	15336	4467	4747	6205	7920	9872	311/2
313	Beverages	1456	1106	1750	2231	2176	758	586	1121	1442	1372	313
314	Tobacco	198	132	190	199	222	134	70	95	100	155	314
321	Textiles	2241	1946	1835	3792	1684	1865	1647	1368	2993	1337	321
3211	Spinning,weaving etc..	1837	1280	1272	2788	1206	1581	1117	1065	2214	974	3211
322	Wearing apparel	435	404	494	768	1037	260	197	276	522	682	322
323	Leather and products ...	65	129	146	139	192	37	77	88	83	143	323
324	Footwear	630	518	285	351	418	389	175	133	230	274	324
331	Wood products	142	752	445	634	1425	86	560	238	417	842	331
332	Furniture, fixtures	352	524	670	922	1179	187	288	269	376	617	332
341	Paper and products	1551	465	266	300	926	1302	396	195	233	745	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	493	918	1250	1223	1160	417	748	1026	1085	979	342
351	Industrial chemicals ...	4852	3610	4425	7181	8264	3112	2323	2700	5189	5924	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	..	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	3693	5818	5149	4262	2963	2061	3732	3284	2835	2141	352
3522	Drugs and medicines ..	3399	5529	5045	4065	2855	1845	3498	3210	2702	2083	3522
353	Petroleum refineries ...	1565	2101	1857	1485	3823	1068	1694	1490	1080	2630	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products	331	950	1235	829	1765	247	529	895	561	1566	355
356	Plastic products n.e.c..	904	534	934	1578	2352	695	234	772	1253	1648	356
361	Pottery,china etc	412	631	533	590	521	282	465	383	419	406	361
362	Glass and products	310	398	1126	2112	4725	190	242	723	723	844	362
369	Non-metal products n.e.c	1548	1349	1455	3887	3913	861	675	615	2271	2669	369
371	Iron and steel	3288	2476	3054	5124	3787	2201	1625	2199	3844	2916	371
372	Non-ferrous metals	813	1027	841	1538	1423	453	605	434	871	972	372
381	Metal products	732	1054	906	1004	1795	505	730	628	732	1299	381
382	Machinery n.e.c.	1515	2308	1977	2585	2544	1046	1703	1195	1681	1800	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	3080	4382	3985	3517	4235	2278	3357	3005	2660	3463	383
3832	Radio,television etc..	1982	3331	2950	2389	2906	1542	2680	2264	1784	2603	3832
384	Transport equipment	3542	4877	2668	2943	2948	1664	3103	1626	1687	1971	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	738	1095	1021	1612	1830	475	669	500	957	1209	385
390	Other industries	483	573	781	1288	732	226	309	529	1009	378	390
3	Manufacturing ..... b/	42971	48377	49599	65683	73370	27266	31486	31992	43173	48854	3
410	Electricity,gas,steam ..	15522	18368	14411	17075	20426	7276	9511	6079	7742	10590	410
4101	Electricity	13641	15821	11628	14360	17119	6979	9138	5606	7339	10046	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	15522	18368	14411	17075	20426	7276	9511	6079	7742	10590	4
2-4	All industry b/	75210	83694	80505	98362	104794	42974	48987	45747	58620	63926	2-4

Note: For concept and certain deviations in classification, see country note.

a/ Data relate to expenditure on new fixed assets only. b/ Including repair services for the general public.

13. VALUE OF STOCKS AT END OF PERIOD
TOTAL
(BILLION FORINTS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	6.63	6.84	6.85	7.77	...	210
220	Petroleum and gas	3.29	3.43	3.32	4.15	...	220
230	Metal ore mining	1.45	1.50	1.51	1.48	...	230
290	Other mining	0.87	0.92	1.00	1.07	...	290
2	Mining, quarrying .	12.24	12.69	12.68	14.47	...	2
311/2	Food products	59.95	60.08	62.38	69.22	...	311/2
313	Beverages	10.99	12.59	13.18	13.83	...	313
314	Tobacco	2.37	2.49	2.59	2.65	...	314
321	Textiles	14.74	16.73	17.30	19.42	...	321
3211	Spinning,weaving etc..	11.21	12.53	12.92	14.63	...	3211
322	Wearing apparel	5.52	6.32	6.82	7.43	...	322
323	Leather and products ...	2.78	3.11	2.93	4.33	...	323
324	Footwear	4.24	5.14	5.19	4.73	...	324
331	Wood products	2.13	2.20	2.77	3.24	...	331
332	Furniture, fixtures	3.19	3.69	4.06	4.49	...	332
341	Paper and products	4.08	3.93	4.74	4.98	...	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	2.38	2.92	3.29	4.03	...	342
351	Industrial chemicals ...	14.55	15.98	17.78	19.60	...	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	10.29	12.52	12.22	14.42	...	352
3522	Drugs and medicines ..	9.57	11.72	11.32	13.32	...	3522
353	Petroleum refineries ...	6.24	6.15	8.42	9.15	...	353
354	Petroleum,coal products.	-	-	-	-	...	354
355	Rubber products	2.31	2.43	2.54	2.48	...	355
356	Plastic products n.e.c..	2.51	3.15	3.95	4.97	...	356
361	Pottery,china etc	0.98	1.11	1.29	2.58	...	361
362	Glass and products	1.98	1.98	2.23	2.93	...	362
369	Non-metal products n.e.c	6.00	6.09	6.80	7.96	...	369
371	Iron and steel	19.68	19.56	17.41	20.23	...	371
372	Non-ferrous metals	7.70	8.24	9.05	9.95	...	372
381	Metal products	8.51	9.83	11.02	12.90	...	381
382	Machinery n.e.c.	21.83	24.26	27.57	32.97	...	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ...	36.88	40.38	40.63	45.08	...	383
3832	Radio,television etc..	23.83	25.58	25.93	28.08	...	3832
384	Transport equipment	22.96	27.45	24.71	24.35	...	384
3841	Shipbuilding, repair..	2.19	2.26	1.80	0.98	...	3841
3843	Motor vehicles	12.64	16.04	16.79	16.20	...	3843
385	Professional goods	12.66	13.57	13.82	15.65	...	385
390	Other industries	3.91	4.20	4.43	4.51	...	390
3	Manufacturing ..... a/	291.36	316.10	329.12	368.08	...	3
410	Electricity,gas,steam ..	15.32	17.84	19.81	22.23	...	410
4101	Electricity	11.63	13.94	15.56	17.60	...	4101
420	Water works and supply .	.	.	.	.	...	420
4	Electricity,gas etc	15.32	17.84	19.81	22.23	...	4
2-4	All industry a/	318.92	346.63	361.61	404.78	...	2-4

a/ Including repair services for the general public.

14. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	103	102	100	98	97	94	92	82	59	-6.4	210
220	Petroleum and gas	103	99	99	106	105	106	102	102	88	-1.6	220
230	Metal ore mining	96	98	95	94	99	102	94	86	97	-0.4	230
290	Other mining ..... b/	95	87	83	75	80	82	76	67	60	-6.2	290
2	Mining, quarrying . b/c/	100	97	97	99	99	99	95	88	78	-3.1	2
311/2	Food products											311/2
313	Beverages	106	108	111	109	111	114	111	112	109	1.1	313
314	Tobacco											314
321	Textiles	98	98	100	101	102	104	107	103	85	-2.0	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	99	94	97	95	87	87	88	78	70	-4.4	322
323	Leather and products ...	101	101	101	88	96	94	88	77	64	-5.4	323
324	Footwear	104	110	118	123	128	129	116	102	90	-1.3	324
331	Wood products	94	95	95	102	105	113	115	125	124	2.7	331
332	Furniture, fixtures	97	99	104	104	107	114	114	116	112	1.4	332
341	Paper and products	108	113	121	117	128	136	142	136	129	3.2	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... d/	111	116	120	124	132	141	145	150	134	3.7	342
351	Industrial chemicals ...	...	...	...	...	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	116	125	135	145	148	155	169	162	140	4.3	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	96	94	94	94	97	101	98	93	90	-1.3	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	113	118	126	129	134	154	161	172	178	7.5	355
356	Plastic products n.e.c..											356
361	Pottery,china etc	106	108	110	113	116	120	132	130	138	4.1	361
362	Glass and products	102	103	110	110	111	116	118	121	105	0.6	362
369	Non-metal products n.e.c	100	105	105	99	98	107	108	105	105	0.6	369
371	Iron and steel	102	100	100	98	100	101	105	106	95	-0.6	371
372	Non-ferrous metals	108	109	116	121	127	128	135	155	129	3.2	372
381	Metal products	92	97	96	98	100	104	112	104	95	-0.6	381
382	Machinery n.e.c.	113	112	111	113	115	120	124	130	113	1.5	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	112	114	120	127	132	141	142	142	118	2.1	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	110	109	112	114	120	124	112	107	76	-3.4	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	119	126	127	135	141	148	161	177	158	5.9	385
390	Other industries	106	100	105	98	92	91	90	80	63	-5.6	390
3	Manufacturing ..... b/c/d/	106	107	110	110	112	117	117	111	101	0.1	3
410	Electricity,gas,steam ..	109	112	117	120	123	130	129	130	132	3.5	410
4101	Electricity	106	109	115	117	120	127	126	128	132	3.5	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry d/	105	106	109	110	112	116	116	111	102	0.2	2-4

a/ Annual growth rate 1982-1990.
b/ Stone quarrying, clay and sand pits are included in manufacturing.
c/ Coal briquetting is included in mining.
d/ Excluding publishing.

ICELAND

The information in the table is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Statistical Bureau of Iceland, Reykjavik. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates are derived from annual industrial statistics which are compiled by the National Economic Institute. The figures cover estimates for operating accounts of enterprises on a sample basis and data from administrative records.

The national classification is based on the preceding version of ISIC but the estimates have been adjusted as far as possible to reflect the present version of ISIC.

The employment figures are expressed in terms of man-years, based on the number of weeks worked, where one man-year is equal to 52 weeks.

Wages and salaries comprise all payments, whether in cash or in kind, made to employees during the year. Included are bonuses, compensations, etc.

The estimates of output for manufacturing represent the ex-factory value of goods produced and services rendered. Also included are receipts for contract and commission work and receipts from renting of machinery and buildings, but excluding net indirect taxes.

Value added for manufacturing is the value of output less the cost of raw materials and all other intermediate consumption as defined in national accounts.

Related national publications:

Atvinnuvegskyrslur (Industrial Statistics of Iceland), published annually by the National Economic Institute, Reykjavik; Tolfraedihandbok (Statistical Abstract of Iceland), published by the Statistical Bureau of Iceland, Reykjavik.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas	-	-	-	-	...	-	-	-	-	...	220
230	Metal ore mining	-	-	-	-	...	-	-	-	-	...	230
290	Other mining	-	-	-	-	...	-	-	-	-	...	290
2	Mining, quarrying .	-	-	-	-	...	-	-	-	-	...	2
311/2	Food products	836	863	839	810	...	13773	14270	12558	12100	...	311/2
313	Beverages	4	5	4	3	...	343	356	311	334	...	313
314	Tobacco	1	1	-	1	...	2	2	2	2	...	314
321	Textiles	102	85	83	76	...	1213	1201	1038	900	...	321
3211	Spinning,weaving etc..	6	5	4	4	...	369	368	162	167	...	3211
322	Wearing apparel	136	136	102	104	...	1059	978	686	504	...	322
323	Leather and products ...	24	24	20	18	...	306	341	289	269	...	323
324	Footwear	6	5	3	7	...	54	47	33	38	...	324
331	Wood products	50	44	43	41	...	57	56	55	54	...	331
332	Furniture, fixtures	285	300	274	234	...	1380	1448	1222	1048	...	332
341	Paper and products	12	8	10	11	...	243	237	237	226	...	341
3411	Pulp,paper etc.	-	-	-	-	...	-	-	-	-	...	3411
342	Printing,publishing	289	290	297	306	...	2100	2189	2184	2086	...	342
351	Industrial chemicals ...	6	5	7	7	...	310	280	265	246	...	351
3511	Basic excl fertilizers	5	4	6	6	...	114	112	110	98	...	3511
3513	Synthetic resins etc .	-	-	-	-	...	-	-	-	-	...	3513
352	Other chemical products.	23	22	22	21	...	311	320	306	320	...	352
3522	Drugs and medicines ..	-	-	-	-	...	-	-	-	-	...	3522
353	Petroleum refineries ...	-	-	-	-	...	-	-	-	-	...	353
354	Petroleum,coal products.	3	3	3	3	...	5	6	7	9	...	354
355	Rubber products	-	-	-	-	...	-	-	-	-	...	355
356	Plastic products n.e.c..	62	56	55	54	...	592	674	621	571	...	356
361	Pottery,china etc	27	22	22	24	...	43	44	40	40	...	361
362	Glass and products	18	19	17	17	...	124	124	118	118	...	362
369	Non-metal products n.e.c	67	70	70	69	...	786	815	815	771	...	369
371	Iron and steel	1	1	1	1	...	207	188	203	207	...	371
372	Non-ferrous metals	1	1	1	1	...	634	627	649	664	...	372
381	Metal products	[442	448	492	491]	...	[2619	2697	2574	2540]	...	381
382	Machinery n.e.c.					...					...	382
3825	Office,computing etc..	-	-	-	-	...	-	-	-	-	...	3825
383	Electrical machinery ...	-	-	-	-	...	-	-	-	-	...	383
3832	Radio,television etc..	-	-	-	-	...	-	-	-	-	...	3832
384	Transport equipment	60	83	62	59	...	951	1011	882	728	...	384
3841	Shipbuilding, repair..	60	83	62	59	...	951	1011	882	728	...	3841
3843	Motor vehicles	-	-	-	-	...	-	-	-	-	...	3843
385	Professional goods	-	-	-	-	...	-	-	-	-	...	385
390	Other industries	136	132	136	129	...	436	477	494	535	...	390
3	Manufacturing	2591	2623	2563	2487	...	27548	28388	25589	24310	...	3
410	Electricity,gas,steam ..	41	38	33	35	...	1054	1110	1127	1078	...	410
4101	Electricity	19	16	15	17	...	833	886	808	835	...	4101
420	Water works and supply .	7	7	6	6	...	23	35	72	30	...	420
4	Electricity,gas etc	48	45	39	41	...	1077	1145	1199	1108	...	4
2-4	All industry	2639	2668	2602	2528	...	28625	29533	26788	25418	...	2-4

a/ Number of man-years.

ICELAND

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES (MILLION KRONUR)					4. OUTPUT IN FACTOR VALUES (MILLION KRONUR)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas	-	-	-	-	...	-	-	-	-	...	220
230	Metal ore mining	-	-	-	-	...	-	-	-	-	...	230
290	Other mining	-	-	-	-	...	-	-	-	-	...	290
2	Mining, quarrying .	-	-	-	-	...	-	-	-	-	...	2
311/2	Food products	7186	10051	12054	13171	...	43894	54113	60138	72654	...	311/2
313	Beverages	208	298	377	453	...	1037	1506	1878	2364	...	313
314	Tobacco	1	1	-	11	...	-	-	-	-	...	314
321	Textiles	680	967	990	1167	...	2411	3629	3203	3482	...	321
3211	Spinning,weaving etc..	256	326	...	...	...	747	1203	977	1067	...	3211
322	Wearing apparel	327	385	327	303	...	1298	1422	1554	1416	...	322
323	Leather and products ...	156	239	259	66	...	694	850	628	795	...	323
324	Footwear	24	31	24	27	...	74	67	12	59	...	324
331	Wood products	11	13	25	30	...	80	95	150	170	...	331
332	Furniture, fixtures	704	1238	1184	1115	...	2623	3718	4344	4957	...	332
341	Paper and products	161	236	271	300	...	674	861	1015	1216	...	341
3411	Pulp,paper etc.	-	-	-	-	...	-	-	-	-	...	3411
342	Printing,publishing	1195	1718	2170	2327	...	4288	5122	6488	8049	...	342
351	Industrial chemicals ...	224	266	325	346	...	1255	1340	1665	1873	...	351
3511	Basic excl fertilizers	...	...	...	...	...	505	565	801	876	...	3511
3513	Synthetic resins etc .	-	-	-	-	...	-	-	-	-	...	3513
352	Other chemical products.	177	241	281	368	...	1237	1484	1728	2118	...	352
3522	Drugs and medicines ..	-	-	-	-	...	-	-	-	-	...	3522
353	Petroleum refineries ...	-	-	-	-	...	-	-	-	-	...	353
354	Petroleum,coal products.	5	10	10	15	...	17	24	25	38	...	354
355	Rubber products	-	-	-	-	...	-	-	-	-	...	355
356	Plastic products n.e.c..	293	476	592	540	...	1532	2072	2500	3036	...	356
361	Pottery,china etc	12	15	19	21	...	48	70	70	83	...	361
362	Glass and products	73	95	115	129	...	247	335	391	452	...	362
369	Non-metal products n.e.c	542	768	991	1043	...	2331	3038	3722	3950	...	369
371	Iron and steel	192	221	307	383	...	1336	1357	2520	3054	...	371
372	Non-ferrous metals	632	818	1030	1135	...	3851	4890	6493	9778	...	372
381	Metal products	[1603	2189	2812	3059]	...	[3868	6543	7182	9205]	...	381
382	Machinery n.e.c.					...					...	382
3825	Office,computing etc..	-	-	-	-	...	-	-	-	-	...	3825
383	Electrical machinery ...	-	-	-	-	...	-	-	-	-	...	383
3832	Radio,television etc..	-	-	-	-	...	-	-	-	-	...	3832
384	Transport equipment	641	958	997	973	...	1461	2100	2217	1931	...	384
3841	Shipbuilding, repair..	641	958	997	973	...	1461	2100	2217	1931	...	3841
3843	Motor vehicles	-	-	-	-	...	-	-	-	-	...	3843
385	Professional goods	-	-	-	-	...	-	-	-	-	...	385
390	Other industries	328	592	641	736	...	1520	2107	3641	4209	...	390
3	Manufacturing	15375	21826	25801	27718	...	75776	96743	111564	134889	...	3
410	Electricity,gas,steam ..	855	1161	1500	1875	...	9858	10821	14258	16778	...	410
4101	Electricity	726	994	1272	1503	...	7516	8076	10455	12188	...	4101
420	Water works and supply .	9	19	24	89	...	399	709	789	958	...	420
4	Electricity,gas etc	864	1180	1524	1964	...	10257	11530	15047	17736	...	4
2-4	All industry	16239	23006	27325	29682	...	86033	108273	126611	152625	...	2-4

5. VALUE ADDED IN FACTOR VALUES

(MILLION KRONUR)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	-	-	-	-	...	210
220	Petroleum and gas	-	-	-	-	...	220
230	Metal ore mining	-	-	-	-	...	230
290	Other mining	-	-	-	-	...	290
2	Mining, quarrying .	-	-	-	-	...	2
311/2	Food products	11625	14562	15986	18928	...	311/2
313	Beverages	435	569	623	694	...	313
314	Tobacco	-	-	-	-	...	314
321	Textiles	813	1213	1273	1202	...	321
3211	Spinning,weaving etc..	207	278	349	194	...	3211
322	Wearing apparel	481	548	580	492	...	322
323	Leather and products ...	298	421	212	100	...	323
324	Footwear	39	27	-7	19	...	324
331	Wood products	18	24	46	39	...	331
332	Furniture, fixtures	971	1771	1983	1964	...	332
341	Paper and products	234	310	385	420	...	341
3411	Pulp,paper etc.	-	-	-	-	...	3411
342	Printing,publishing	1883	2553	3024	4200	...	342
351	Industrial chemicals ...	476	498	654	693	...	351
3511	Basic excl fertilizers	161	133	208	195	...	3511
3513	Synthetic resins etc .	-	-	-	-	...	3513
352	Other chemical products.	354	405	510	636	...	352
3522	Drugs and medicines ..	-	-	-	-	...	3522
353	Petroleum refineries ...	-	-	-	-	...	353
354	Petroleum,coal products.	5	9	8	15	...	354
355	Rubber products	-	-	-	-	...	355
356	Plastic products n.e.c..	508	754	967	1128	...	356
361	Pottery,china etc	26	33	31	28	...	361
362	Glass and products	59	121	139	158	...	362
369	Non-metal products n.e.c	962	1259	1478	1646	...	369
371	Iron and steel	325	388	1176	1252	...	371
372	Non-ferrous metals	650	1133	1269	2967	...	372
381	Metal products	[2114	3564	4148	4167]	...	381
382	Machinery n.e.c.					...	382
3825	Office,computing etc..	-	-	-	-	...	3825
383	Electrical machinery ...	-	-	-	-	...	383
3832	Radio,television etc..	-	-	-	-	...	3832
384	Transport equipment	796	1144	1318	1030	...	384
3841	Shipbuilding, repair..	796	1144	1318	1030	...	3841
3843	Motor vehicles	-	-	-	-	...	3843
385	Professional goods	-	-	-	-	...	385
390	Other industries	479	606	999	1102	...	390
3	Manufacturing	23551	31912	36802	42880	...	3
410	Electricity,gas,steam ..	5874	6033	8694	10328	...	410
4101	Electricity	4024	4036	5828	6780	...	4101
420	Water works and supply .	278	355	448	601	...	420
4	Electricity,gas etc	6152	6388	9142	10929	...	4
2-4	All industry	29703	38300	45944	53809	...	2-4

INDIA

The information in the tables, except for the index numbers of industrial production, is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Central Statistical Organisation, Department of Statistics, Ministry of Planning, New Delhi.

Mining data are based on periodical returns collected by the Mineral Statistics Division of the Indian Bureau of Mines from various sources, including the Coal Controller, the Economics and Statistics Division of the Department of Petroleum and the Director General of Mines Safety. The data for manufacturing, electricity, gas and water are mainly derived from the annual survey of industries.

The data for mining relate to all working mines except those that extract the minerals designated as "prescribed substances" under the Atomic Energy Act, 1962, or as "minor minerals" 1/. The data for manufacturing, gas works and water works and supply cover all factories registered under the Indian Factories Act, 1948. Registered factories are those using power and employing ten or more operatives on any day during the preceding 12 months and those not using power and employing 20 or more operatives. The data for electricity cover all undertakings, which may be a State electricity board, an electricity department of the government of a State or Union territory, or an electric licensee or sanction holder under the Indian Electricity Act engaged in the business of electric supply, including non-licensed undertakings registered as factories.

The Indian industrial classification system is based on the preceding version of the ISIC, but data have been adjusted to fit to the present version of the ISIC, with three exceptions: the manufacture of inedible oils (part of ISIC 3115) is included in ISIC 352; the manufacture of prime movers, boilers, etc. (part of ISIC 3813) is included in ISIC 382 and the manufacture of electronic computers, etc. (part of ISIC 3825) is included in ISIC 383.

The concepts and definitions used in reporting the data are generally in accordance with United Nations recommendations, although the following points should be noted: The reference year for the annual surveyof industries is from 1 April of the year indicated to 31 March of the following year. However, individual factory returns for an accounting year ending on any day during the reference year are accepted. The average number of persons engaged is derived by dividing the person-days worked (paid or unpaid) by the number of days in which the factory was either in operation or in which repair, maintenance and construction activity was carried on. The number of person-days worked for each category is obtained by summing up the number of persons attending in each shift over every shift worked on all days (working and non-working). Wages and salaries of operatives and employees include payments to contract labourers. Wages and salaries of operatives exclude the value of benefits in kind. The value of output has not been adjusted for the cost of goods sold in the same condition as purchased. Value added is net of the cost of non-industrial services. The valuation of both output and value added is at factor values.

The index numbers of industrial production are also compiled by the Central Statistical Organisation and are provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the data cover all establishments. For manufacturing, however, because of differences in sources of information, the data for some industries cover only establishments employing plant and machinery worth two million rupees or more.

1/ Minor minerals include various kinds of stone, sand and earth, used chiefly as building materials or for ceramics and household utensils.

Related national publications:
Guide to Official Statistics, Third Edition, 1987; Indian Mineral Industry at a Glance (annual); Indian Minerals Year Book (annual); Salient Statistics of Indian Mineral Industry (annual); Annual Survey of Industries (annual); separate publications contain the fully enumerated subset of the factory sector; Tables with Notes on the Annual Survey of Industries - Sample Sector, Summary Results (annual); Statistical Abstract, India (annual) and Montly Production of Selected Industries of India, all published by the Central Statistical Organisation, Department of Statistics, Ministry of Planning, New Delhi.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/b/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED b/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	501	518	535	557	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	776	853	804	767	...	...	...	...	...	...	230
290	Other mining ..... c/	3148	3345	3205	3066	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	17299	18333	...	...	...	956	1025	...	...	...	311/2
313	Beverages	447	468	...	...	...	46	50	...	...	...	313
314	Tobacco	6716	7483	...	...	...	346	390	...	...	...	314
321	Textiles	11761	12029	...	...	...	1429	1414	...	...	...	321
3211	Spinning,weaving etc..	10151	10222	...	...	...	1380	1353	...	...	...	3211
322	Wearing apparel	1271	1406	...	...	...	63	75	...	...	...	322
323	Leather and products ...	723	781	...	...	...	38	40	...	...	...	323
324	Footwear	193	221	...	...	...	31	34	...	...	...	324
331	Wood products	3551	3090	...	...	...	65	66	...	...	...	331
332	Furniture, fixtures	322	317	...	...	...	8	8	...	...	...	332
341	Paper and products	1720	1909	...	...	...	130	135	...	...	...	341
3411	Pulp,paper etc.	779	899	...	...	...	105	110	...	...	...	3411
342	Printing,publishing	3201	3187	...	...	...	147	164	...	...	...	342
351	Industrial chemicals ...	1741	1910	...	...	...	198	205	...	...	...	351
3511	Basic excl fertilizers	1017	1049	...	...	...	86	84	...	...	...	3511
3513	Synthetic resins etc .	250	346	...	...	...	42	43	...	...	...	3513
352	Other chemical products.	4594	4668	...	...	...	326	350	...	...	...	352
3522	Drugs and medicines ..	1374	1497	...	...	...	120	135	...	...	...	3522
353	Petroleum refineries ...	17	96	...	...	...	16	18	...	...	...	353
354	Petroleum,coal products.	470	531	...	...	...	33	36	...	...	...	354
355	Rubber products	1657	1762	...	...	...	91	94	...	...	...	355
356	Plastic products n.e.c..	1953	2023	...	...	...	59	66	...	...	...	356
361	Pottery,china etc	527	541	...	...	...	31	32	...	...	...	361
362	Glass and products	556	570	...	...	...	51	51	...	...	...	362
369	Non-metal products n.e.c	7184	7595	...	...	...	345	350	...	...	...	369
371	Iron and steel	5251	5147	...	...	...	571	564	...	...	...	371
372	Non-ferrous metals	940	1037	...	...	...	51	60	...	...	...	372
381	Metal products	5978	6390	...	...	...	178	209	...	...	...	381
382	Machinery n.e.c.	7254	7584	...	...	...	412	447	...	...	...	382
3825	Office,computing etc..	105	102	...	...	...	7	7	...	...	...	3825
383	Electrical machinery ...	3888	4241	...	...	...	339	376	...	...	...	383
3832	Radio,television etc..	992	1070	...	...	...	93	109	...	...	...	3832
384	Transport equipment	3120	3318	...	...	...	487	485	...	...	...	384
3841	Shipbuilding, repair..	114	127	...	...	...	23	25	...	...	...	3841
3843	Motor vehicles	1567	1463	...	...	...	183	173	...	...	...	3843
385	Professional goods	737	814	...	...	...	47	47	...	...	...	385
390	Other industries	836	928	...	...	...	30	33	...	...	...	390
3	Manufacturing ..... d/	93907	98379	...	...	...	6524	6824	...	...	...	3
410	Electricity,gas,steam ..	245	264	...	...	...	820	875	...	...	...	410
4101	Electricity	169	175	...	...	...	817	871	...	...	...	4101
420	Water works and supply .	204	194	...	...	...	14	14	...	...	...	420
4	Electricity,gas etc	449	458	...	...	...	834	889	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Mining: all working mines excluding those extracting minerals prescribed under the Atomic Energy Act.
b/ Manufacturing, gas and water: establishments with 10 or more workers using power, or 20 or more workers not using power. Electricity: all units of electricity undertakings.
c/ Excluding minor minerals.
d/ For certain deviations in classification, see country note.

INDIA

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION RUPEES)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	932	997	...	...	...	8077	9747	...	...	...	311/2
313	Beverages	46	50	...	...	...	643	740	...	...	...	313
314	Tobacco	343	386	...	...	...	1594	1963	...	...	...	314
321	Textiles	1415	1398	...	...	...	20151	21173	...	...	...	321
3211	Spinning,weaving etc..	1368	1339	...	...	...	19612	20481	...	...	...	3211
322	Wearing apparel	61	73	...	...	...	538	738	...	...	...	322
323	Leather and products ...	37	39	...	...	...	382	434	...	...	...	323
324	Footwear	31	34	...	...	...	408	534	...	...	...	324
331	Wood products	62	63	...	...	...	461	542	...	...	...	331
332	Furniture, fixtures	8	8	...	...	...	83	93	...	...	...	332
341	Paper and products	128	133	...	...	...	1990	2295	...	...	...	341
3411	Pulp,paper etc.	104	109	...	...	...	1698	2003	...	...	...	3411
342	Printing,publishing	144	157	...	...	...	2440	3172	...	...	...	342
351	Industrial chemicals ...	197	204	...	...	...	5906	6778	...	...	...	351
3511	Basic excl fertilizers	85	84	...	...	...	2228	2417	...	...	...	3511
3513	Synthetic resins etc .	41	43	...	...	...	1405	1601	...	...	...	3513
352	Other chemical products.	321	346	...	...	...	6241	7324	...	...	...	352
3522	Drugs and medicines ..	119	134	...	...	...	3125	3932	...	...	...	3522
353	Petroleum refineries ...	16	18	...	...	...	778	757	...	...	...	353
354	Petroleum,coal products.	33	36	...	...	...	702	816	...	...	...	354
355	Rubber products	89	92	...	...	...	1757	1918	...	...	...	355
356	Plastic products n.e.c..	57	64	...	...	...	700	933	...	...	...	356
361	Pottery,china etc	30	31	...	...	...	379	432	...	...	...	361
362	Glass and products	50	51	...	...	...	601	675	...	...	...	362
369	Non-metal products n.e.c	336	341	...	...	...	3640	3943	...	...	...	369
371	Iron and steel	565	558	...	...	...	11623	12617	...	...	...	371
372	Non-ferrous metals	50	59	...	...	...	1145	1508	...	...	...	372
381	Metal products	171	201	...	...	...	2674	3476	...	...	...	381
382	Machinery n.e.c.	404	438	...	...	...	8384	9760	...	...	...	382
3825	Office,computing etc..	7	7	...	...	...	166	160	...	...	...	3825
383	Electrical machinery ...	335	373	...	...	...	7789	9597	...	...	...	383
3832	Radio,television etc..	92	108	...	...	...	1806	2437	...	...	...	3832
384	Transport equipment	483	481	...	...	...	11170	12277	...	...	...	384
3841	Shipbuilding, repair..	23	25	...	...	...	578	660	...	...	...	3841
3843	Motor vehicles	181	171	...	...	...	4822	5059	...	...	...	3843
385	Professional goods	46	46	...	...	...	843	961	...	...	...	385
390	Other industries	29	31	...	...	...	484	558	...	...	...	390
3	Manufacturing ..... b/	6419	6708	...	...	...	101583	115761	...	...	...	3
410	Electricity,gas,steam ..	820	875	...	...	...	17953	21164	...	...	...	410
4101	Electricity	817	871	...	...	...	17889	21078	...	...	...	4101
420	Water works and supply .	13	14	...	...	...	196	232	...	...	...	420
4	Electricity,gas etc	833	889	...	...	...	18149	21396	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing, gas and water: establishments with 10 or more workers using power, or 20 or more workers not using power. Electricity: all units of electricity undertakings.
b/ For certain deviations in classification, see country note.

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES a/ (MILLION RUPEES)					6. AVERAGE NUMBER OF OPERATIVES a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	818	957	...	...	...	743	795	...	...	...	311/2
313	Beverages	90	102	...	...	...	34	36	...	...	...	313
314	Tobacco	164	210	...	...	...	325	365	...	...	...	314
321	Textiles	2937	3033	...	...	...	1237	1218	...	...	...	321
3211	Spinning,weaving etc..	2872	2956	...	...	...	1198	1170	...	...	...	3211
322	Wearing apparel	67	87	...	...	...	51	61	...	...	...	322
323	Leather and products ...	38	39	...	...	...	31	32	...	...	...	323
324	Footwear	53	72	...	...	...	26	29	...	...	...	324
331	Wood products	45	54	...	...	...	51	52	...	...	...	331
332	Furniture, fixtures	8	9	...	...	...	6	6	...	...	...	332
341	Paper and products	264	318	...	...	...	99	102	...	...	...	341
3411	Pulp,paper etc.	225	281	...	...	...	80	83	...	...	...	3411
342	Printing,publishing	274	342	...	...	...	107	116	...	...	...	342
351	Industrial chemicals ...	965	1089	...	...	...	131	136	...	...	...	351
3511	Basic excl fertilizers	341	426	...	...	...	58	58	...	...	...	3511
3513	Synthetic resins etc .	234	219	...	...	...	28	29	...	...	...	3513
352	Other chemical products.	1054	1111	...	...	...	226	242	...	...	...	352
3522	Drugs and medicines ..	539	626	...	...	...	73	78	...	...	...	3522
353	Petroleum refineries ...	193	169	...	...	...	10	11	...	...	...	353
354	Petroleum,coal products.	85	117	...	...	...	25	27	...	...	...	354
355	Rubber products	269	287	...	...	...	69	70	...	...	...	355
356	Plastic products n.e.c..	101	120	...	...	...	43	47	...	...	...	356
361	Pottery,china etc	46	54	...	...	...	23	25	...	...	...	361
362	Glass and products	71	74	...	...	...	42	42	...	...	...	362
369	Non-metal products n.e.c	514	521	...	...	...	278	282	...	...	...	369
371	Iron and steel	1985	2331	...	...	...	443	438	...	...	...	371
372	Non-ferrous metals	183	243	...	...	...	37	43	...	...	...	372
381	Metal products	340	478	...	...	...	134	155	...	...	...	381
382	Machinery n.e.c.	1305	1453	...	...	...	277	298	...	...	...	382
3825	Office,computing etc..	27	27	...	...	...	4	5	...	...	...	3825
383	Electrical machinery ...	1300	1537	...	...	...	222	245	...	...	...	383
3832	Radio,television etc..	286	359	...	...	...	61	72	...	...	...	3832
384	Transport equipment	1364	1569	...	...	...	365	366	...	...	...	384
3841	Shipbuilding, repair..	56	73	...	...	...	17	19	...	...	...	3841
3843	Motor vehicles	771	811	...	...	...	127	120	...	...	...	3843
385	Professional goods	129	148	...	...	...	32	32	...	...	...	385
390	Other industries	50	53	...	...	...	23	25	...	...	...	390
3	Manufacturing ..... b/	14712	16577	...	...	...	5090	5296	...	...	...	3
410	Electricity,gas,steam ..	1871	2012	...	...	...	555	602	...	...	...	410
4101	Electricity	1865	2003	...	...	...	552	599	...	...	...	4101
420	Water works and supply .	11	8	...	...	...	11	12	...	...	...	420
4	Electricity,gas etc	1882	2020	...	...	...	566	614	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing, gas and water: establishments with 10 or more workers using power, or 20 or more workers not using power. Electricity: all units of electricity undertakings.
b/ For certain deviations in classification, see country note.

INDIA

ISIC	INDUSTRY	7. WAGES AND SALARIES OF OPERATIVES a/b/ (MILLION RUPEES)					8. DAYS WORKED BY OPERATIVES b/ (MILLIONS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying ..	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	5131	6218	...	...	...	187	206	...	...	...	311/2
313	Beverages	368	439	...	...	...	11	11	...	...	...	313
314	Tobacco	1352	1650	...	...	...	91	100	...	...	...	314
321	Textiles	16212	16882	...	...	...	394	387	...	...	...	321
3211	Spinning,weaving etc..	15831	16388	...	...	...	382	372	...	...	...	3211
322	Wearing apparel	352	486	...	...	...	15	18	...	...	...	322
323	Leather and products ...	276	314	...	...	...	10	10	...	...	...	323
324	Footwear	285	370	...	...	...	7	8	...	...	...	324
331	Wood products	326	384	...	...	...	14	15	...	...	...	331
332	Furniture, fixtures	56	61	...	...	...	2	2	...	...	...	332
341	Paper and products	1296	1412	...	...	...	33	34	...	...	...	341
3411	Pulp,paper etc.	1100	1224	...	...	...	27	29	...	...	...	3411
342	Printing,publishing	1581	2036	...	...	...	33	35	...	...	...	342
351	Industrial chemicals ...	3012	3533	...	...	...	45	47	...	...	...	351
3511	Basic excl fertilizers	1113	1224	...	...	...	20	20	...	...	...	3511
3513	Synthetic resins etc .	779	899	...	...	...	10	11	...	...	...	3513
352	Other chemical products.	3246	3771	...	...	...	69	75	...	...	...	352
3522	Drugs and medicines ..	1516	1873	...	...	...	22	26	...	...	...	3522
353	Petroleum refineries ...	387	383	...	...	...	4	4	...	...	...	353
354	Petroleum,coal products.	473	533	...	...	...	8	9	...	...	...	354
355	Rubber products	1155	1178	...	...	...	22	22	...	...	...	355
356	Plastic products n.e.c..	422	531	...	...	...	13	14	...	...	...	356
361	Pottery,china etc	248	289	...	...	...	8	8	...	...	...	361
362	Glass and products	427	473	...	...	...	12	12	...	...	...	362
369	Non-metal products n.e.c	2432	2573	...	...	...	75	76	...	...	...	369
371	Iron and steel	7885	8666	...	...	...	147	146	...	...	...	371
372	Non-ferrous metals	684	906	...	...	...	12	15	...	...	...	372
381	Metal products	1758	2195	...	...	...	40	47	...	...	...	381
382	Machinery n.e.c.	4507	5262	...	...	...	84	90	...	...	...	382
3825	Office,computing etc..	94	90	...	...	...	1	1	...	...	...	3825
383	Electrical machinery ...	4121	4988	...	...	...	67	75	...	...	...	383
3832	Radio,television etc..	941	1227	...	...	...	18	22	...	...	...	3832
384	Transport equipment	7213	8029	...	...	...	114	114	...	...	...	384
3841	Shipbuilding, repair..	378	432	...	...	...	5	6	...	...	...	3841
3843	Motor vehicles	2768	2975	...	...	...	42	39	...	...	...	3843
385	Professional goods	489	539	...	...	...	10	10	...	...	...	385
390	Other industries	343	401	...	...	...	7	8	...	...	...	390
3	Manufacturing ..... c/	66037	74502	...	...	...	1534	1598	...	...	...	3
410	Electricity,gas,steam ..	9838	11923	...	...	...	201	220	...	...	...	410
4101	Electricity	9802	11875	...	...	...	200	219	...	...	...	4101
420	Water works and supply .	150	186	...	...	...	4	4	...	...	...	420
4	Electricity,gas etc	9988	12109	...	...	...	205	224	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Excluding imputed value of benefits in kind.
b/ Manufacturing, gas and water: establishments with 10 or more workers using power, or 20 or more workers not using power. Electricity: all units of electricity undertakings.
c/ For certain deviations in classification, see country note.

ISIC	INDUSTRY	9. QUANTITY OF ELECTRICITY CONSUMED a/ (MILLION KWH)					10. OUTPUT IN FACTOR VALUES a/b/c/ (BILLION RUPEES)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	..	...	...	...	...	39.5	43.1	52.8	53.4	...	210
220	Petroleum and gas	...	...	...	...	...	43.4	45.7	50.0	55.3	...	220
230	Metal ore mining	...	...	...	...	...	6.9	7.6	8.7	9.5	...	230
290	Other mining	...	...	...	...	...	8.7	9.2	10.1	10.4	...	290
2	Mining, quarrying .	...	...	...	...	...	98.5	105.6	121.6	128.6	...	2
311/2	Food products	3987	4189	...	...	...	170.0	207.5	...	...	...	311/2
313	Beverages	176	169	...	...	...	9.3	10.6	...	...	...	313
314	Tobacco	68	68	...	...	...	15.7	17.9	...	...	...	314
321	Textiles	8714	9726	...	...	...	141.0	155.6	...	...	...	321
3211	Spinning,weaving etc..	8608	9526	...	...	...	132.9	145.2	...	...	...	3211
322	Wearing apparel	52	60	...	...	...	8.7	11.5	...	...	...	322
323	Leather and products ...	84	95	...	...	...	6.9	9.6	...	...	...	323
324	Footwear	35	39	...	...	...	3.1	4.1	...	...	...	324
331	Wood products	115	114	...	...	...	4.9	5.7	...	...	...	331
332	Furniture, fixtures	5	6	...	...	...	0.5	0.5	...	...	...	332
341	Paper and products	2893	2992	...	...	...	23.7	25.9	...	...	...	341
3411	Pulp,paper etc.	2836	2924	...	...	...	19.9	21.5	...	...	...	3411
342	Printing,publishing	189	264	...	...	...	13.9	17.2	...	...	...	342
351	Industrial chemicals ...	13080	11012	...	...	...	98.5	106.2	...	...	...	351
3511	Basic excl fertilizers	4291	3955	...	...	...	32.6	32.8	...	...	...	3511
3513	Synthetic resins etc .	1251	1267	...	...	...	17.8	20.8	...	...	...	3513
352	Other chemical products.	1687	1899	...	...	...	82.3	99.5	...	...	...	352
3522	Drugs and medicines ..	669	883	...	...	...	28.5	35.1	...	...	...	3522
353	Petroleum refineries ...	1083	984	...	...	...	101.7	106.7	...	...	...	353
354	Petroleum,coal products.	301	321	...	...	...	14.5	14.6	...	...	...	354
355	Rubber products	734	1182	...	...	...	25.2	31.7	...	...	...	355
356	Plastic products n.e.c..	330	490	...	...	...	11.9	16.6	...	...	...	356
361	Pottery,china etc	106	128	...	...	...	2.0	2.5	...	...	...	361
362	Glass and products	312	305	...	...	...	4.9	5.3	...	...	...	362
369	Non-metal products n.e.c	5002	5051	...	...	...	41.0	45.0	...	...	...	369
371	Iron and steel	11910	11573	...	...	...	141.4	154.3	...	...	...	371
372	Non-ferrous metals	3440	6131	...	...	...	17.3	23.4	...	...	...	372
381	Metal products	424	638	...	...	...	23.3	31.5	...	...	...	381
382	Machinery n.e.c.	1042	1304	...	...	...	71.0	83.8	...	...	...	382
3825	Office,computing etc..	8	9	...	...	...	0.7	0.8	...	...	...	3825
383	Electrical machinery ...	955	1139	...	...	...	70.2	91.6	...	...	...	383
3832	Radio,television etc..	165	263	...	...	...	16.9	23.1	...	..	...	3832
384	Transport equipment	1570	1444	...	...	...	76.0	85.4	...	...	...	384
3841	Shipbuilding, repair..	39	48	...	...	...	1.8	1.9	...	...	...	3841
3843	Motor vehicles	855	640	...	...	...	42.9	45.3	...	...	...	3843
385	Professional goods	84	77	...	...	...	6.0	7.1	...	...	...	385
390	Other industries	60	74	...	...	...	3.8	5.5	...	...	...	390
3	Manufacturing ..... d/	58438	61474	...	...	...	1188.7	1376.8	...	...	...	3
410	Electricity,gas,steam ..	53	49	...	...	...	130.4	150.6	...	...	...	410
4101	Electricity	...	...	...	...	...	129.2	148.2	...	...	...	4101
420	Water works and supply .	930	1138	...	...	...	1.7	1.8	...	...	...	420
4	Electricity,gas etc	983	1187	...	...	...	132.1	152.4	...	...	...	4
2-4	All industry	...	...	...	...	...	1419.3	1634.8	...	...	...	2-4

a/ Manufacturing, gas and water: establishments with 10 or more workers using power, or 20 or more workers not using power. Electricity: all units of electricity undertakings.
b/ Mining: all working mines excluding those extracting minerals prescribed under the Atomic Energy Act.
c/ Gross output; not adjusted for cost of goods sold without further processing.
d/ For certain deviations in classification, see country note.

INDIA

ISIC	INDUSTRY	11. VALUE ADDED IN FACTOR VALUES a/b/c/ (MILLION RUPEES)					12. GROSS FIXED CAPITAL FORMATION TOTAL a/b/ (MILLION RUPEES)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	17520	19162	23351	23569	...	...	...	...	...	...	210
220	Petroleum and gas	37940	38382	42369	47074	...	...	...	...	...	...	220
230	Metal ore mining	5456	5806	6875	7519	...	...	...	...	...	...	230
290	Other mining	7048	7447	8089	8389	...	...	...	...	...	...	290
2	Mining, quarrying .	67964	70797	80684	86551	...	42007	40524	46641	53230	...	2
311/2	Food products	19531	21721	...	...	...	5254	6341	...	...	...	311/2
313	Beverages	2094	2394	...	...	...	582	1156	...	...	...	313
314	Tobacco	3795	4419	...	...	...	202	233	...	...	...	314
321	Textiles	29451	28581	...	...	...	6944	9431	...	...	...	321
3211	Spinning,weaving etc..	28193	27139	...	...	...	6658	8841	...	...	...	3211
322	Wearing apparel	1396	2053	...	...	...	178	219	...	...	...	322
323	Leather and products ...	684	931	...	...	...	179	229	...	...	...	323
324	Footwear	640	873	...	...	...	109	179	...	...	...	324
331	Wood products	953	1070	...	...	...	170	314	...	...	...	331
332	Furniture, fixtures	105	147	...	...	...	22	16	...	...	...	332
341	Paper and products	3982	3807	...	...	...	1972	2680	...	...	...	341
3411	Pulp,paper etc.	3510	3208	...	...	...	1795	2289	...	...	...	3411
342	Printing,publishing	3959	4828	...	...	...	2145	1439	...	...	...	342
351	Industrial chemicals ...	15580	18250	...	...	...	13675	11609	...	...	...	351
3511	Basic exci fertilizers	7207	7429	...	...	...	5358	4288	...	...	...	3511
3513	Synthetic resins etc .	2833	4016	...	...	...	1908	3208	...	...	...	3513
352	Other chemical products.	14875	19118	...	...	...	3274	5211	...	...	...	352
3522	Drugs and medicines ..	7117	8631	...	...	...	1351	1624	...	...	...	3522
353	Petroleum refineries ...	9573	12488	...	...	...	2833	2126	...	...	...	353
354	Petroleum,coal products.	1625	1940	...	...	...	380	476	...	...	...	354
355	Rubber products	5905	5333	...	...	...	1339	1278	...	...	...	355
356	Plastic products n.e.c..	1975	2568	...	...	...	809	1795	...	...	...	356
361	Pottery,china etc	511	696	...	...	...	268	282	...	...	...	361
362	Glass and products	1099	1151	...	...	...	293	506	...	...	...	362
369	Non-metal products n.e.c	8478	9286	...	...	...	6481	8368	...	...	...	369
371	Iron and steel	20561	22202	...	...	...	12642	13668	...	...	...	371
372	Non-ferrous metals	1394	3508	...	...	...	1045	9989	...	...	...	372
381	Metal products	5257	7147	...	...	...	960	1330	...	...	...	381
382	Machinery n.e.c.	17551	19455	...	...	...	3336	3639	...	...	...	382
3825	Office,computing etc..	291	272	...	...	...	33	24	...	...	...	3825
383	Electrical machinery ...	16446	21715	...	...	...	3547	5649	...	...	...	383
3832	Radio,television etc..	3664	5131	...	...	...	1298	2163	...	...	...	3832
384	Transport equipment	18959	18810	...	...	...	5558	6086	...	...	...	384
3841	Shipbuilding, repair..	376	472	...	...	...	149	96	...	...	...	3841
3843	Motor vehicles	11033	9879	...	...	...	3231	2744	...	...	...	3843
385	Professional goods	1738	1930	...	...	...	521	665	...	...	...	385
390	Other industries	1324	1354	...	...	...	183	221	...	...	...	390
3	Manufacturing ..... d/	209441	237775	...	...	...	74901	95135	...	...	...	3
410	Electricity,gas,steam ..	42035	40931	...	...	...	36282	47987	...	...	...	410
4101	Electricity	42008	40651	...	...	...	36217	47743	...	...	...	4101
420	Water works and supply .	283	348	...	...	...	18	36	...	...	...	420
4	Electricity,gas etc	42318	41279	...	...	...	36300	48023	...	...	...	4
2-4	All industry	319723	349851	...	...	...	153208	183682	...	...	...	2-4

a/ Mining: all working mines excluding those extracting minerals prescribed under the Atomic Energy Act.
b/ Manufacturing, gas and water: establishments with 10 or more workers using power, or 20 or more workers not using power. Electricity: all units of electricity undertakings.
c/ Total value added; net of depreciation.
d/ For certain deviations in classification, see country note.

13. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	119	125	134	139	150	164	165	185	199	9.0	210
220	Petroleum and gas	208	265	295	317	337	332	350	377	373	17.9	220
230	Metal ore mining	104	104	114	122	136	141	147	157	159	6.0	230
290	Other mining	111	122	136	144	142	150	160	164	170	6.9	290
2	Mining, quarrying .	127	144	157	164	176	184	194	210	216	10.1	2
311/2	Food products	132	128	119	127	134	140	151	150	170	6.9	311/2
313	Beverages	[154	143	149	155	148	116	123	140	139	4.2]	313
314	Tobacco											314
321	Textiles	89	99	99	109	107	114	107	108	123	2.6	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... b/	110	112	112	146	142	123	166	188	157	5.8	322
323	Leather and products ...	82	88	113	118	109	126	115	120	135	3.8	323
324	Footwear ..... b/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	88	86	117	130	133	102	95	97	108	1.0	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	117	115	142	156	174	181	183	194	208	9.6	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	124	141	160	172	199	215	261	264	287	14.1	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	112	106	119	127	148	183	204	222	234	11.2	352
3522	Drugs and medicines ..	136	133	145	142	172	267	275	302	318	15.6	3522
353	Petroleum refineries ...	127	137	140	162	176	189	191	206	206	9.5	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	109	116	121	126	123	104	133	145	158	5.9	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	115	125	155	175	172	164	186	194	198	8.9	369
371	Iron and steel	118	109	119	133	140	155	163	161	176	7.3	371
372	Non-ferrous metals	118	107	143	140	148	160	214	220	214	10.0	372
381	Metal products	105	98	118	130	139	150	154	160	169	6.8	381
382	Machinery n.e.c.	109	111	122	127	131	136	150	158	179	7.5	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	106	136	144	194	220	320	343	383	532	23.2	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	109	115	128	131	138	149	161	173	190	8.4	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	82	75	94	86	107	257	258	281	284	13.9	385
390	Other industries	75	29	33	46	64	31	48	49	37	-11.7	390
3	Manufacturing	109	113	122	135	143	160	173	181	205	9.4	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	120	126	143	155	171	185	200	224	242	11.7	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry c/	112	117	128	140	149	165	178	189	210	9.7	2-4

a/ Annual growth rate 1982-1990.
b/ Major group 324 is included in 322.
c/ Excluding gas and steam.

INDONESIA

The information in the tables, except for the indices, is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Central Bureau of Statistics, Jakarta. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The data for mining and quarrying are derived from the administrative records kept by the Department of Mining. The data for manufacturing are derived from the annual industrial survey conducted by the Central Bureau of Statistics. The survey covers large-and medium-scale establishments. Large-scale establishments cover those with 100 or more persons engaged and medium-scale establishments cover those with 20-99 persons engaged. The inquiry is made on a complete enumeration basis regardless of large-scale or medium-scale establishments. For a certain number of provinces where establishments are concentrated, the inquiry is carried out by field enumerators through direct interview and in the remaining regions with more or less scattered establishments, the inquiry is made by mail. The survey does not cover petroleum manufacturing activities (ISIC 353 and 354) and manufacturing activities on agricultural estates of tea, tobacco and rubber. The data for electricity and gas cover all establishments of the State Electricity Enterprise and the State Gas Enterprise. Data on water supply cover government and private establishments engaged in purification and distribution of drinking water. The data in the tables are based on the present version of ISIC.

Wages and salaries represent employment costs which include employers' contributions to pension and health insurance schemes. The estimates of output and value added for manufacturing industries are defined as follows. Output comprises (a) the value of all products of the establishment, (b) the net change in the value of semi-finished goods and work in progress during the year, (c) receipts from industrial and non-industrial services rendered to others, (d) the value of goods shipped in the same condition as received and (e) the value of electricity sold. Value added is the difference between output and the cost of the following inputs: raw materials, auxiliary materials, packing materials, oils, fuels, gas and electricity consumed and industrial and non-industrial services rendered by others. For manufacturing industries, the valuation of output is in producers' prices and that of value added is in factor values. In the case of electricity industry, output represents the value of electric power sold. For gas manufacturing, output estimates refer to the value of goods produced, gross income from resale and receipts from non-industrial services rendered. For water supply, output is defined as the value of potable water supplied, electric power sold and other income from non-industrial services. Value-added estimates for electricity, gas and water supply is the difference between the value of output and the input costs (expenditures for the purchase of fuels, electricity, spare parts, office supplies, repairs and maintenance, rental of buildings and machines and non-industrial services). The estimates of output and value added for electricity, gas and water supply are valued in producers' prices.

Gross fixed capital formation represents the value of acquisitions of new and used fixed assets; sales are not taken into account.

The indices of industrial production are compiled by the Central Bureau of Statistics and provided in response to the United Nations Questionnaire on Indices of Industrial Production.

Related national publication:

Industrial Statistics (Survey of Manufacturing Industries), Volumes I and II (annual), published by the Central Bureau of Statistics, Jakarta.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	2892	2857	3218	3192	...	309.3	328.6	360.0	361.9	...	311/2
313	Beverages	132	136	169	162	...	11.8	11.7	13.2	12.5	...	313
314	Tobacco	851	832	962	905	...	199.0	202.7	204.2	214.3	...	314
321	Textiles	2028	2031	2137	2160	...	310.2	326.2	355.2	397.7	...	321
3211	Spinning,weaving etc..	91 b/	90	102	105	...	67.2 b/	69.4	77.5	83.4	...	3211
322	Wearing apparel	633	656	798	837	...	66.1	79.7	107.5	129.5	...	322
323	Leather and products	76	71	84	91	...	4.0	4.3	5.7	6.9	...	323
324	Footwear	115	115	149	160	...	8.7	8.7	15.8	25.2	...	324
331	Wood products	863	914	1359	1337	...	168.6	196.4	276.8	317.4	...	331
332	Furniture, fixtures	297	299	350	367	...	12.9	14.4	21.9	26.7	...	332
341	Paper and products	127	125	141	145	...	25.2	26.4	30.5	34.1	...	341
3411	Pulp,paper etc.	55	54	59	57	...	17.4	18.1	20.7	23.4	...	3411
342	Printing,publishing	475	471	497	494	...	37.4	35.5	37.9	38.9	...	342
351	Industrial chemicals	191	190	218	212	...	36.3	36.2	39.5	41.3	...	351
3511	Basic excl fertilizers	110	112	126	124	...	10.5	11.1	13.9	14.2	...	3511
3513	Synthetic resins etc	19	19	21	18	...	0.7	0.7	0.7	0.7	...	3513
352	Other chemical products.	471	476	525	521	...	68.2	69.2	75.1	76.7	...	352
3522	Drugs and medicines	198	200	206	173	...	32.0	33.2	33.3	34.7	...	3522
353	Petroleum refineries	.	.	.	.	...	.	.	.	.	...	353
354	Petroleum,coal products.	.	.	.	.	...	.	.	.	.	...	354
355	Rubber products	385	378	450	466	...	90.6	96.1	119.8	128.3	...	355
356	Plastic products n.e.c..	544	558	654	663	...	50.3	53.1	62.7	70.7	...	356
361	Pottery,china etc	42	43	53	52	...	11.9	12.6	16.2	17.7	...	361
362	Glass and products	32	34	41	41	...	10.1	10.8	11.7	12.3	...	362
369	Non-metal products n.e.c	1134	1099	1162	1133	...	59.0	59.1	69.1	78.8	...	369
371	Iron and steel	[30	32	40	42]	...	[16.9	16.8	19.6	21.2]	...	371
372	Non-ferrous metals					...					...	372
381	Metal products	556	553	592	588	...	59.1	61.2	68.0	72.7	...	381
382	Machinery n.e.c.	180	175	190	198	...	16.3	15.5	16.8	19.6	...	382
3825	Office,computing etc..	-	-	-	-	...	-	-	-	-	...	3825
383	Electrical machinery	186	190	228	236	...	38.7	39.9	45.5	53.0	...	383
3832	Radio,television etc..	45	47	57	60	...	14.8	15.2	15.7	19.4	...	3832
384	Transport equipment	307	316	374	390	...	65.1	66.3	69.1	75.7	...	384
3841	Shipbuilding, repair..	60	67	120	124	...	14.7	16.2	15.9	16.5	...	3841
3843	Motor vehicles	84 c/	87	91	72	...	21.2 c/	20.5	21.1	25.1	...	3843
385	Professional goods	43	46	43	44	...	2.4	2.7	2.9	3.5	...	385
390	Other industries	175	181	230	239	...	13.4	13.6	19.9	22.2	...	390
3	Manufacturing	12765	12778	14664	14674	...	1691.4	1788.3	2064.7	2259.2	...	3
410	Electricity,gas,steam	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: establishments with 20 or more persons engaged. b/ Manufacture of yarns and threads only.
c/ Including manufacture of motorcycles (ISIC 3844).

INDONESIA

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES b/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/b/ (BILLION RUPIAHS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	306.1	325.7	356.6	358.7	...	299	360	424	534	...	311/2
313	Beverages	11.7	11.7	13.1	12.3	...	21	22	27	31	...	313
314	Tobacco	197.8	201.7	202.8	213.2	...	110	92	143	176	...	314
321	Textiles	307.8 c/	323.9	352.8	395.6	...	236 c/	264	335	416	...	321
3211	Spinning,weaving etc..	67.2	69.4	77.5	83.4	...	65	68	93	116	...	3211
322	Wearing apparel	65.3	79.0	106.5	128.7	...	51	70	99	138	...	322
323	Leather and products ...	4.0	4.2	5.7	6.8	...	3	4	6	7	...	323
324	Footwear	8.6	8.6	15.6	25.1	...	11	12	25	36	...	324
331	Wood products	168.0	195.8	273.9	316.7	...	200	258	383	495	...	331
332	Furniture, fixtures	12.5	14.1	21.6	26.4	...	11	14	22	30	...	332
341	Paper and products	25.1	26.4	30.4	34.0	...	31	38	49	70	...	341
3411	Pulp,paper etc.	17.3	18.1	20.6	23.4	...	20	24	33	51	...	3411
342	Printing,publishing	37.0	35.2	37.7	38.7	...	69	73	83	93	...	342
351	Industrial chemicals ...	36.2	36.1	39.4	41.3	...	110	120	141	178	...	351
3511	Basic excl fertilizers	10.5	11.0	13.8	14.2	...	18	24	33	36	...	3511
3513	Synthetic resins etc .	0.6	0.7	0.7	0.7	...	1	1	1	1	...	3513
352	Other chemical products.	68.0	69.1	74.9	76.6	...	144	171	211	213	...	352
3522	Drugs and medicines ..	31.9	33.2	33.3	34.6	...	80	100	138	127	...	3522
353	Petroleum refineries ...	.	.	.	.	...	.	.	.	.	...	353
354	Petroleum,coal products.	.	.	.	.	...	.	.	.	.	...	354
355	Rubber products	90.5	96.0	119.7	128.1	...	86	139	182	198	...	355
356	Plastic products n.e.c..	49.8	52.7	62.1	70.2	...	44	54	61	75	...	356
361	Pottery,china etc	11.9	12.5	16.2	17.7	...	11	13	19	22	...	361
362	Glass and products	10.1	10.8	11.7	12.3	...	18	21	24	27	...	362
369	Non-metal products n.e.c	57.8	58.0	67.9	77.7	...	66	75	90	95	...	369
371	Iron and steel	[16.9	16.8	19.6	21.2]	...	[48	44	76	91]	...	371
372	Non-ferrous metals					...					...	372
381	Metal products	58.8	60.9	67.7	72.5	...	85	91	129	134	...	381
382	Machinery n.e.c.	16.2	15.3	16.6	19.5	...	23	27	37	46	...	382
3825	Office,computing etc..	-	-	-	-	...	-	-	-	-	...	3825
383	Electrical machinery ...	38.7	39.8	45.4	52.9	...	58	67	89	106	...	383
3832	Radio,television etc..	14.7	15.2	15.7	19.3	...	18	21	25	25	...	3832
384	Transport equipment	64.9	66.2	68.8	75.5	...	139	132	158	199	...	384
3841	Shipbuilding, repair..	14.7	16.2	15.8	16.5	...	33 d/	37	35	39	...	3841
3843	Motor vehicles	14.2 d/	20.5	21.1	25.1	...	37	64	68	93	...	3843
385	Professional goods	2.4	2.7	2.8	3.5	...	2	3	4	4	...	385
390	Other industries	13.2	13.4	19.7	22.0	...	12	14	18	28	...	390
3	Manufacturing	1679.1	1777.0	2051.6	2247.7	...	1888	2180	2836	3442	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Including employers' contributions to pension and health insurance schemes.
b/ Manufacturing: establishments with 20 or more persons engaged. c/ Manufacture of yarns and threads only.
d/ Including manufacture of motorcycles (ISIC 3844).

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES a/ (THOUSANDS) 1986	1987	1988	1989	1990	6. QUANTITY OF ELECTRICITY CONSUMED a/ (MILLION KWH) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	223.4	228.8	256.8	262.2	...	1859	2067	1835	2118	...	311/2
313	Beverages	7.4	7.3	8.8	8.3	...	91	93	86	88	...	313
314	Tobacco	177.2	180.7	180.4	190.4	...	103	122	130	170	...	314
321	Textiles	265.6	285.0	308.8	347.1	...	2241	2804	2381	2696	...	321
3211	Spinning,weaving etc..	56.3 b/	59.8	66.2	71.9	...	889 b/	1196	1122	1265	...	3211
322	Wearing apparel	58.9	71.4	95.5	115.2	...	153	65	55	69	...	322
323	Leather and products ...	3.4	3.7	4.9	5.8	...	11	12	15	15	...	323
324	Footwear	7.4	7.4	13.9	23.0	...	14	15	17	20	...	324
331	Wood products	141.3	166.8	236.5	271.4	...	1733	1295	2063	1796	...	331
332	Furniture, fixtures	10.8	12.3	18.8	23.1	...	17	20	27	39	...	332
341	Paper and products	18.8	20.2	23.4	25.6	...	631	810	713	1280	...	341
3411	Pulp,paper etc.	12.7	13.7	15.6	17.0	...	511	644	670	1124	...	3411
342	Printing,publishing	28.0	26.3	28.0	29.0	...	102	110	99	119	...	342
351	Industrial chemicals ...	21.3	21.0	23.6	25.4	...	1077	444	529	728	...	351
3511	Basic excl fertilizers	6.1	6.5	8.1	8.7	...	185	202	246	353	...	3511
3513	Synthetic resins etc .	0.5	0.5	0.6	0.6	...	3	4	5	9	...	3513
352	Other chemical products.	48.4	48.7	52.8	53.9	...	333	254	264	306	...	352
3522	Drugs and medicines ..	20.3	20.5	20.6	21.0	...	104	95	85	106	...	3522
353	Petroleum refineries ...	.	.	.	.	...	.	.	.	.	...	353
354	Petroleum,coal products.	.	.	.	.	...	.	.	.	.	...	354
355	Rubber products	67.6	72.2	93.4	101.1	...	454	563	453	533	...	355
356	Plastic products n.e.c..	43.2	45.8	53.8	61.2	...	300	308	360	449	...	356
361	Pottery,china etc	10.6	11.1	13.9	15.4	...	146	149	1041	121	...	361
362	Glass and products	8.0	8.6	9.1	9.7	...	345	186	286	211	...	362
369	Non-metal products n.e.c	47.3	47.4	56.5	65.5	...	2078	2028	1506	1502	...	369
371	Iron and steel	[11.9	[c/	c/	c/	...	[1516	4822	4839	813]	...	371
372	Non-ferrous metals		11.3	13.5	15.4]	...					...	372
381	Metal products	47.9				...	309	347	364	476	...	381
382	Machinery n.e.c.	11.6]				...	35	33	38	54	...	382
3825	Office,computing etc..	-	-	-	-	...	-	-	-	-	...	3825
383	Electrical machinery ...	30.7	c/	c/	c/	...	135	185	174	200	...	383
3832	Radio,television etc..	12.0	12.4	13.4	16.2	...	34	43	40	38	...	3832
384	Transport equipment	44.1	c/	c/	c/	...	215	242	192	245	...	384
3841	Shipbuilding, repair..	11.1	12.2	12.3	12.6	...	48	58	34	38	...	3841
3843	Motor vehicles	10.3 d/	10.1	15.3	18.8	...	81 d/	109	101	91	...	3843
385	Professional goods	2.0	2.3	2.5	2.9	...	4	8	8	8	...	385
390	Other industries	11.3	11.5	17.2	19.0	...	30	35	36	49	...	390
3	Manufacturing	1351.1	1430.3	1665.3	1841.0	...	13933	17018	17514	14103	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: establishments with 20 or more persons engaged. b/ Manufacture of yarns and threads only.
c/ Major groups 383 and 384 are included in 371 to 382 combined. d/ Including manufacture of motorcycles (ISIC 3844).

ISIC	INDUSTRY	7. OUTPUT IN PRODUCERS' PRICES b/ (BILLION RUPIAHS)					8. VALUE ADDED IN FACTOR VALUES a/b/ (BILLION RUPIAHS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	4214	5427	6948	8591	...	1017	1143	1577	1994	...	311/2
313	Beverages	260	310	408	455	...	98	115	142	123	...	313
314	Tobacco	3037	3587	3671	5771	...	1076	1339	1387	1764	...	314
321	Textiles	3022	3890	4969	7156	...	1047	1113	1241	2119	...	321
3211	Spinning,weaving etc..	1106 c/	1457	1978	5935	...	365 c/	418	429	759	...	3211
322	Wearing apparel	431	599	874	1260	...	162	177	270	427	...	322
323	Leather and products ...	62	71	119	131	...	30	14	24	23	...	323
324	Footwear	82	94	176	303	...	42	44	73	144	...	324
331	Wood products	2388	3712	5335	6395	...	913	1304	1685	2165	...	331
332	Furniture, fixtures	65	86	138	200	...	27	31	83	77	...	332
341	Paper and products	484	895	1289	1684	...	110	209	376	410	...	341
3411	Pulp,paper etc.	331	666	1025	1352	...	75	160	306	330	...	3411
342	Printing,publishing	412	455	565	715	...	173	174	213	237	...	342
351	Industrial chemicals ...	1473	1948	2218	2560	...	457	561	730	774	...	351
3511	Basic excl fertilizers	286	468	622	750	...	80	103	173	194	...	3511
3513	Synthetic resins etc .	6	13	17	20	...	2	5	8	10	...	3513
352	Other chemical products.	1395	1626	2024	2380	...	441	523	632	696	...	352
3522	Drugs and medicines ..	623	785	885	988	...	214	292	310	319	...	3522
353	Petroleum refineries ...	.	.	.	.	...	.	.	.	.	...	353
354	Petroleum,coal products.	.	.	.	.	...	.	.	.	.	...	354
355	Rubber products	1237	1908	2754	2799	...	263	331	575	787	...	355
356	Plastic products n.e.c..	544	798	1110	1353	...	118	161	186	225	...	356
361	Pottery,china etc	73	89	133	191	...	32	33	48	75	...	361
362	Glass and products	234	280	301	345	...	117	73	76	88	...	362
369	Non-metal products n.e.c	928	1060	1128	1347	...	309	383	371	379	...	369
371	Iron and steel	[1419	1881	2651	3685]	...	[710	1029	1050	1400]	...	371
372	Non-ferrous metals					...					...	372
381	Metal products	1214	1518	2437	3102	...	336	422	699	1115	...	381
382	Machinery n.e.c.	202	288	410	520	...	68	100	126	167	...	382
3825	Office,computing etc..	-	-	-	-	...	-	-	-	-	...	3825
383	Electrical machinery ...	917	1146	1564	2031	...	252	271	287	450	...	383
3832	Radio,television etc..	306	338	395	543	...	71	71	75	157	...	3832
384	Transport equipment	1661	1767	2316	3605	...	509	643	759	1169	...	384
3841	Shipbuilding, repair..	243	309	216	216	...	112	174	91	99	...	3841
3843	Motor vehicles	736 d/	1179	1676	1641	...	199 d/	369	533	915	...	3843
385	Professional goods	14	24	41	54	...	4	6	9	11	...	385
390	Other industries	110	132	174	289	...	34	39	57	99	...	390
3	Manufacturing	25877	33591	43753	56924	...	8343	10238	12646	16919	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Net of non-industrial costs.
b/ Manufacturing: establishments with 20 or more persons engaged.
c/ Manufacture of yarns and threads only.
d/ Including manufacture of motorcycles (ISIC 3844).

9. GROSS FIXED CAPITAL FORMATION
TOTAL a/
(BILLION RUPIAHS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	2
311/2	Food products	265	313	438	1045	...	311/2
313	Beverages	11	12	27	32	...	313
314	Tobacco	94	49	111	72	...	314
321	Textiles	92	185	269	1419	...	321
3211	Spinning,weaving etc..	24 b/	35	58	850	...	3211
322	Wearing apparel	15	25	103	163	...	322
323	Leather and products ...	3	4	9	45	...	323
324	Footwear	3	6	29	37	...	324
331	Wood products	245	338	569	896	...	331
332	Furniture, fixtures	6	14	18	42	...	332
341	Paper and products	38	49	116	906	...	341
3411	Pulp,paper etc.	30	42	100	887	...	3411
342	Printing,publishing	30	33	56	106	...	342
351	Industrial chemicals ...	179	150	108	421	...	351
3511	Basic excl fertilizers	52	56	91	50	...	3511
3513	Synthetic resins etc .	-	-	-	-	...	3513
352	Other chemical products.	59	80	93	146	...	352
3522	Drugs and medicines ..	32	29	52	77	...	3522
353	Petroleum refineries ...	.	.	.	.	...	353
354	Petroleum,coal products.	.	.	.	.	...	354
355	Rubber products	42	72	203	256	...	355
356	Plastic products n.e.c..	40	41	64	130	...	356
361	Pottery,china etc	23	18	28	60	...	361
362	Glass and products	5	9	30	30	...	362
369	Non-metal products n.e.c	108	43	41	59	...	369
371	Iron and steel	...	11	109	124	...	371
372	Non-ferrous metals	...	...	...	...	...	372
381	Metal products	41	87	86	166	...	381
382	Machinery n.e.c.	22	14	-9	-48	...	382
3825	Office,computing etc..	-	-	-	-	...	3825
383	Electrical machinery ...	28	39	65	138	...	383
3832	Radio,television etc..	6	7	11	42	...	3832
384	Transport equipment	182	195	290	252	...	384
3841	Shipbuilding, repair..	43	51	35	9	...	3841
3843	Motor vehicles	31 c/	55	208	192	...	3843
385	Professional goods	4	8	16	2	...	385
390	Other industries	11	7	16	35	...	390
3	Manufacturing	1564	1787	2926	6532	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	2-4

a/ Manufacturing: establishments with 20 or more persons engaged. b/ Manufacture of yarns and threads only.
c/ Including manufacture of motorcycles (ISIC 3844).

10. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	85	83	87	82	86	77	82	88	...	b/ -1.4	2
311/2	Food products	102	111	94	88	97	104	137	136	158	5.9	311/2
313	Beverages	132	111	83	92	105	126	129	130	150	5.2	313
314	Tobacco	117	124	138	148	172	193	204	224	257	12.5	314
321	Textiles	102	96	100	97	127	134	163	184	221	10.4	321
3211	Spinning,weaving etc..	102	97	105	93	126	127	164	190	...	b/ 7.4	3211
322	Wearing apparel	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	95	118	138	133	133	108	131	218	245	11.9	324
331	Wood products	108	112	107	99	156	216	271	298	287	14.1	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	97	84	107	119	116	122	161	176	251	12.2	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	105	116	141	164	178	151	153	169	187	8.1	351
3511	Basic excl fertilizers	102	103	115	116	123	162	144	158	179	7.5	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products	144	132	147	172	173	170	138	177	187	8.1	352
3522	Drugs and medicines	...	.	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	114	117	117	121	128	93	128	165	184	7.9	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	100	109	119	120	149	151	123	139	152	5.4	362
369	Non-metal products n.e.c	114	125	168	187	156	176	190	240	245	11.9	369
371	Iron and steel	94	111	113	112	172	163	186	221	287	14.1	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	114	118	115	125	130	140	148	213	265	13.0	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	102	112	95	89	113	107	146	174	207	9.5	383
3832	Radio,television etc..	98	103	82	71	93	90	122	159	186	8.1	3832
384	Transport equipment	158	113	83	89	116	98	92	123	130	3.3	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	116	102	92	95	148	129	118	135	204	9.3	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	110	113	121	130	145	162	185	208	...	b/ 8.5	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	142	181	202	222	260	311	350	422	438	20.3	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Annual growth rate 1982-1990.

b/ Annual growth rate 1980-1989.

IRAN (ISLAMIC REPUBLIC OF)

The information in the tables, except for the indices, is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Statistical Centre of Iran, Plan and Budget Organization, Teheran. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The data in the tables are derived from the annual survey of industrial establishments conducted by field enumeration by the Statistics Division, Ministry of Industry and Mines, Teheran. The survey covers establishments with 10 or more persons engaged on a complete enumeration basis. The industrial establishment is defined as a place where an accumulation of capital and manpower is invested for producing one or more products under a single management and accounting system. The period of reference of the data is the Iranian year beginning 21 March of the year indicated. The data in the tables are based on the national classification, which is comparable with the present version of ISIC.

The number of establishments relates to those in operation during the reference year. Employment numbers relate to averages of quarterly counts. Wages and salaries include employers' contributions to social insurance schemes and also the establishments' 20 per cent special net profit which is distributed among workers.

Output is the sum of the value of products, electricity and water sold, contract work done for others, goods shipped in the same condition as received, work in progress and own-account construction. Value added is the difference between the value of output and the cost of materials and supplies, fuels, electricity and water, value of contract and repair work done by others and the cost of goods purchased for resale without transformation.

The estimates of gross fixed capital formation represent the value of purchases of new and used fixed assets, capital repairs and own-account construction during the year less the value of corresponding sales and disposals. The estimates do not cover new establishments not yet in operation during the reference year and also do not include progress payments made for fixed assets on order but not yet completed at the end of the reference year.

The indices of industrial production are compiled by the Statistics Division, Ministry of Industry and Mines. The indices provided by the national authorities are compiled according to the preceding version of ISIC. Wherever possible, adjustments have been incorporated to convert the data to the present version; owing to lack of detail, the conversion is not complete for all industries.

Related national publication:

Large-scale Industrial Establishments (annual), available only in the national language, published by the Statistical Centre of Iran, Teheran.

IRAN (ISLAMIC REPUBLIC OF)

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/b/ (NUMBER)					2. AVERAGE NUMBER OF EMPLOYEES a/b/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	26	25	...	...	...	25.78	27.71	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	22	21	...	...	...	11.19	7.91	...	...	...	230
290	Other mining	670	1232	...	...	...	9.36	15.24	...	...	...	290
2	Mining, quarrying .	718	1278	...	...	...	46.30	50.86	...	...	...	2
311/2	Food products	1008	1727	...	...	...	72.94	85.45	...	...	...	311/2
313	Beverages	30	26	...	...	...	10.61	10.74	...	...	...	313
314	Tobacco	1	22	...	...	...	7.95	11.30	...	...	...	314
321	Textiles	826	1837	...	...	...	127.23	145.74	...	...	...	321
3211	Spinning,weaving etc..	499	809	...	...	...	109.07	118.89	...	...	...	3211
322	Wearing apparel	194	773	...	...	...	6.39	16.74	...	...	...	322
323	Leather and products ...	113	198	...	...	...	4.26	4.61	...	...	...	323
324	Footwear	84	143	...	...	...	10.75	11.06	...	...	...	324
331	Wood products	126	208	...	...	...	11.96	13.82	...	...	...	331
332	Furniture, fixtures	76	115	...	...	...	3.74	3.08	...	...	...	332
341	Paper and products	103	82	...	...	...	10.25	7.89	...	...	...	341
3411	Pulp,paper etc.	14	17	...	...	...	0.59	2.71	...	...	...	3411
342	Printing,publishing	132	173	...	...	...	5.30	6.86	...	...	...	342
351	Industrial chemicals ...	60	73	...	...	...	10.71	11.01	...	...	...	351
3511	Basic excl fertilizers	47	51	...	...	...	2.17	1.92	...	...	...	3511
3513	Synthetic resins etc .	3	4	...	...	...	3.01	2.94	...	...	...	3513
352	Other chemical products.	179	261	...	...	...	19.62	22.58	...	...	...	352
3522	Drugs and medicines ..	42	52	...	...	...	9.57	10.77	...	...	...	3522
353	Petroleum refineries ...	6	20	...	...	...	1.10	2.62	...	...	...	353
354	Petroleum,coal products.	33	92	...	...	...	0.91	2.69	...	...	...	354
355	Rubber products	42	91	...	...	...	9.90	12.14	...	...	...	355
356	Plastic products n.e.c..	243	346	...	...	...	12.16	12.70	...	...	...	356
361	Pottery,china etc	18	13	...	...	...	3.70	3.07	...	...	...	361
362	Glass and products	57	116	...	...	...	7.39	12.01	...	...	...	362
369	Non-metal products n.e.c	2603	3313	...	...	...	79.76	102.21	...	...	...	369
371	Iron and steel	34	146	...	...	...	34.71	36.79	...	...	...	371
372	Non-ferrous metals	41	112	...	...	...	5.69	11.25	...	...	...	372
381	Metal products	466	849	...	...	...	25.61	30.46	...	...	...	381
382	Machinery n.e.c.	235	509	...	...	...	30.70	52.52	...	...	...	382
3825	Office,computing etc..	...	18	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	149	117	...	...	...	36.26	17.98	...	...	...	383
3832	Radio,television etc..	26	...	...	...	...	12.47	8.01	...	...	...	3832
384	Transport equipment	114	99	...	...	...	37.15	29.93	...	...	...	384
3841	Shipbuilding, repair..	18	19	...	...	...	0.97	0.20	...	...	...	3841
3843	Motor vehicles	79	57	...	...	...	32.34	21.29	...	...	...	3843
385	Professional goods	28	73	...	...	...	2.71	2.41	...	...	...	385
390	Other industries	33	84	...	...	...	1.20	1.95	...	...	...	390
3	Manufacturing	7034	11619	...	...	...	590.52	681.60	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Twelve months beginning 21 March of the year indicated. b/ Establishments with 10 or more persons engaged.

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES a/b/c/ (MILLION RIALS)					4. OUTPUT IN PRODUCERS' PRICES b/c/ (BILLION RIALS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	25760	24929	...	...	...	21.7	27.5	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	11943	8608	...	...	...	32.4	21.8	...	...	...	230
290	Other mining	8469	14897	...	...	...	26.1	48.0	...	...	...	290
2	Mining, quarrying .	46171	48433	...	...	...	80.2	97.3	...	...	...	2
311/2	Food products	66282	78006	...	...	...	405.8	478.0	...	...	...	311/2
313	Beverages	11728	11382	...	...	...	49.3	52.7	...	...	...	313
314	Tobacco	10382	12556	...	...	...	14.8	216.8	...	...	...	314
321	Textiles	124746	147662	...	...	...	360.3	448.2	...	...	...	321
3211	Spinning,weaving etc..	108429	128833	...	...	...	297.6	366.8	...	...	...	3211
322	Wearing apparel	4942	10113	...	...	...	13.3	45.1	...	...	...	322
323	Leather and products ...	4112	4258	...	...	...	37.3	43.4	...	...	...	323
324	Footwear	9766	11223	...	...	...	48.5	49.5	...	...	...	324
331	Wood products	10235	12337	...	...	...	26.3	35.0	...	...	...	331
332	Furniture, fixtures	3408	2833	...	...	...	8.0	11.2	...	...	...	332
341	Paper and products	12183	9063	...	...	...	41.4	39.8	...	...	...	341
3411	Pulp,paper etc.	638	3183	...	...	...	2.8	6.0	...	...	...	3411
342	Printing,publishing	5522	7739	...	...	...	16.6	29.7	...	...	...	342
351	Industrial chemicals ...	14177	13494	...	...	...	44.4	52.2	...	...	...	351
3511	Basic excl fertilizers	2695	2260	...	...	...	13.9	12.4	...	...	...	3511
3513	Synthetic resins etc .	4348	3784	...	...	...	17.0	15.1	...	...	...	3513
352	Other chemical products.	21741	25824	...	...	...	120.1	152.9	...	...	...	352
3522	Drugs and medicines ..	10749	11775	...	...	...	61.8	59.6	...	...	...	3522
353	Petroleum refineries ...	925	2089	...	...	...	4.5	13.7	...	...	...	353
354	Petroleum,coal products.	762	2042	...	...	...	3.9	14.9	...	...	...	354
355	Rubber products	11342	17461	...	...	...	32.1	53.6	...	...	...	355
356	Plastic products n.e.c..	11747	11510	...	...	...	40.8	52.8	...	...	...	356
361	Pottery,china etc	3759	3241	...	...	...	7.9	9.2	...	...	...	361
362	Glass and products	9411	10831	...	...	...	20.9	31.3	...	...	...	362
369	Non-metal products n.e.c	76031	95230	...	...	...	181.6	311.8	...	...	...	369
371	Iron and steel	41476	47191	...	...	...	153.5	144.3	...	...	...	371
372	Non-ferrous metals	6091	14047	...	...	...	35.0	51.6	...	...	...	372
381	Metal products	27423	32511	...	...	...	85.0	99.3	...	...	...	381
382	Machinery n.e.c.	32342	57544	...	...	...	92.5	184.6	...	...	...	382
3825	Office,computing etc..	...	382	...	...	...	...	2.2	...	...	...	3825
383	Electrical machinery ...	37793	17815	...	...	...	104.2	58.2	...	...	...	383
3832	Radio,television etc..	12409	8833	...	...	...	38.1	36.2	...	...	...	3832
384	Transport equipment	43138	33683	...	...	...	108.8	89.6	...	...	...	384
3841	Shipbuilding, repair..	912	2660	...	...	...	1.6	5.5	...	...	...	3841
3843	Motor vehicles	37855	27114	...	...	...	90.5	72.7	...	...	...	3843
385	Professional goods	2762	2134	...	...	...	6.9	6.0	...	...	...	385
390	Other industries	1011	1536	...	...	...	3.9	10.4	...	...	...	390
3	Manufacturing	604735	695738	...	...	...	2067.6	2785.9	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Including employers' contributions to insurance schemes.
b/ Twelve months beginning 21 March of the year indicated.
c/ Establishments with 10 or more persons engaged.

IRAN (ISLAMIC REPUBLIC OF)

ISIC	INDUSTRY	5. VALUE ADDED IN PRODUCERS' PRICES a/b/ (BILLION RIALS)					6. GROSS FIXED CAPITAL FORMATION TOTAL a/b/ (MILLION RIALS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	17.5	22.9	...	...	...	3199	3310	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	29.6	17.3	...	...	...	1652	1983	...	...	...	230
290	Other mining	21.1	27.8	...	...	...	4536	12081	...	...	...	290
2	Mining, quarrying .	68.3	68.0	...	...	...	9387	17374	...	...	...	2
311/2	Food products	121.4	148.3	...	...	...	16690	18510	...	...	...	311/2
313	Beverages	31.0	36.1	...	...	...	863	497	...	...	...	313
314	Tobacco	8.7	161.9	...	...	...	1650	178	...	...	...	314
321	Textiles	182.9	232.0	...	...	...	20714	20854	...	...	...	321
3211	Spinning,weaving etc..	152.8	191.3	...	...	...	18642	16957	...	...	...	3211
322	Wearing apparel	6.4	22.1	...	...	...	464	694	...	...	...	322
323	Leather and products ...	9.1	13.6	...	...	...	724	546	...	...	...	323
324	Footwear	31.6	20.4	...	...	...	625	303	...	...	...	324
331	Wood products	13.2	22.7	...	...	...	1172	1883	...	...	...	331
332	Furniture, fixtures	3.9	6.7	...	...	...	677	894	...	...	...	332
341	Paper and products	21.7	15.2	...	...	...	1300	1355	...	...	...	341
3411	Pulp,paper etc.	1.1	3.4	...	...	...	151	153	...	...	...	3411
342	Printing,publishing	8.8	19.0	...	...	...	651	2546	...	...	...	342
351	Industrial chemicals ...	24.5	30.5	...	...	...	1328	1275	...	...	...	351
3511	Basic excl fertilizers	7.1	7.6	...	...	...	580	647	...	...	...	3511
3513	Synthetic resins etc .	9.2	4.1	...	...	...	301	76	...	...	...	3513
352	Other chemical products.	64.9	77.0	...	...	...	5269	6024	...	...	...	352
3522	Drugs and medicines ..	39.0	36.5	...	...	...	3296	2180	...	...	...	3522
353	Petroleum refineries ...	1.9	8.2	...	...	...	404	901	...	...	...	353
354	Petroleum,coal products.	2.1	8.4	...	...	...	522	831	...	...	...	354
355	Rubber products	19.2	30.9	...	...	...	3200	3124	...	...	...	355
356	Plastic products n.e.c..	20.1	24.1	...	...	...	3629	2236	...	...	...	356
361	Pottery,china etc	6.6	6.9	...	...	...	554	207	...	...	...	361
362	Glass and products	13.9	17.8	...	...	...	2457	2229	...	...	...	362
369	Non-metal products n.e.c	118.9	225.6	...	...	...	24528	16836	...	...	...	369
371	Iron and steel	64.3	75.5	...	...	...	3634	3828	...	...	...	371
372	Non-ferrous metals	16.7	27.4	...	...	...	1548	2393	...	...	...	372
381	Metal products	45.7	57.0	...	...	...	6626	7953	...	...	...	381
382	Machinery n.e.c.	41.5	95.6	...	...	...	5835	12498	...	...	...	382
3825	Office,computing etc..	...	1.0	...	...	...	...	8	...	...	...	3825
383	Electrical machinery ...	60.0	34.3	...	...	...	7515	935	...	...	...	383
3832	Radio,television etc..	25.5	23.2	...	...	...	3172	961	...	...	...	3832
384	Transport equipment	49.8	53.2	...	...	...	3943	6213	...	...	...	384
3841	Shipbuilding, repair..	0.6	3.4	...	...	...	135	296	...	...	...	3841
3843	Motor vehicles	40.1	43.6	...	...	...	2782	5930	...	...	...	3843
385	Professional goods	4.2	4.0	...	...	...	627	590	...	...	...	385
390	Other industries	2.1	4.4	...	...	...	398	636	...	...	...	390
3	Manufacturing	995.0	1478.6	...	...	...	117547	116870	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Twelve months beginning 21 March of the year indicated. b/ Establishments with 10 or more persons engaged.

7. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100) a/

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	b/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	104	120	122	126	111	109	101	100	...	0.0	311/2
313	Beverages	90	108	102	111	94	55	67	69	...	-5.2	313
314	Tobacco	...	...	...	...	...	...	...	...	...	...	314
321	Textiles	126	154	146	148	135	118	105	96	...	-0.6	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... c/	126	155	186	182	155	156	162	168	...	7.7	322
323	Leather and products ...	125	136	181	197	197	154	142	135	...	4.4	323
324	Footwear ..... c/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	[142	180	160	156	138	142	141	154	...	6.4]	331
332	Furniture, fixtures											332
341	Paper and products	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... d/	98	131	140	141	140	131	123	137	...	4.6	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. d/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	127	169	147	145	138	157	146	166	...	7.5	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	[									]	361
362	Glass and products	125	137	141	145	138	144	136	142	...	5.1	362
369	Non-metal products n.e.c											369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	117	139	133	123	110	104	86	72	...	-4.6	381
382	Machinery n.e.c.	158	196	271	250	170	126	103	96	...	-0.6	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	124	161	168	152	124	105	101	109	...	1.2	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	117	164	194	174	120	62	66	57	...	-7.7	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing ..... e/	120	146	157	152	121	113	104	109	...	1.2	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Twelve months beginning 21 March of the year indicated.
b/ Annual growth rate 1982-1989.
c/ Major group 324 is included in 322.
d/ Major group 352 is included in 351.
e/ Excluding tobacco and petroleum refineries.

IRELAND

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Central Statistics Office, Dublin. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards; any significant departures from these standards are noted in the following paragraphs.

The estimates are derived from the results of the annual census of industrial production which covers all industrial establishments with 3 or more persons engaged.

The classification used in compiling the estimates is the General Industrial Classification of Economic Activities within the European Communities (NACE). In the tables, the NACE industries are arranged under the most appropriate category of ISIC.

The employment figures refer to the numbers in a week in September. Homeworkers are excluded and payments to homeworkers are not included in wages and salaries. Wages and salaries cover cash payments only, i.e. housing allowances, family allowances and payments in kind are excluded.

The estimates of output are compiled on the "production" basis representing the net selling value of all goods produced in the year, whether sold or added to stock, together with the value of industrial services rendered to other establishments. Goods sold in the same condition as bought are not included. The value of fixed assets produced by the establishment for its own use is included only in the electricity industry (ISIC 4101) and in the turf (peat) production industry (part of ISIC 290). Valuation is in factor values excluding contributions from local authorities to make up deficiencies in the income of water works.

Value added is the difference between the value of output and the cost of fuels, materials and industrial services. The cost of materials is the actual cost of materials used during the year, whether purchased or taken from stock, used in production or repair work; packaging materials are included. Industrial services comprise the cost of work done on commission or contract by others (including earnings of home workers) together with payments for repair work done by others. Deductible value added tax is excluded.

The estimates of gross fixed capital formation represent the net additions to capital assets during the year, i.e. additions less disposals. Own account construction of capital assets is included. Where possible, investment in establishments not yet in production is included.

The estimates of the value of stocks at the end of the period are, in general, based on the accounting conventions used by the respondents themselves in their own accounts (i.e. they are book values). Stocks of goods purchased for resale without further processing are included.

The indices of industrial production are compiled by the Central Statistics Office and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover all industrial establishments with 3 or more persons engaged.

Related national publications:

Statistical Abstract of Ireland (annual); Irish Statistical Bulletin (quarterly); Census of Industrial Production (annual), all published by the Central Statistics Office, Dublin.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER) 1986	1987	1988	1989	1990	2. AVERAGE NUMBER OF PERSONS ENGAGED a/b/ (THOUSANDS) c/ 1986	1987	1988	1989	1990	ISIC
210	Coal mining	5	4	3	...	...	0.3	0.2	0.2	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	1	1	1	...	...	1.0	0.8	0.8	...	...	230
290	Other mining	114	111	108	...	...	6.5	6.8	5.5	...	...	290
2	Mining, quarrying . d/	120	116	112	...	...	7.8	7.9	6.5	...	...	2
311/2	Food products	798	791	790	...	...	38.3	37.5	37.5	...	...	311/2
313	Beverages	66	65	68	...	...	5.7	5.4	5.2	...	...	313
314	Tobacco	8	8	8	...	...	1.8	1.7	1.6	...	...	314
321	Textiles	237	236	242	...	...	11.6	11.1	11.7	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	261	269	244	...	...	12.3	11.9	10.8	...	...	322
323	Leather and products ...	46	49	43	...	...	0.7	0.7	0.6	...	...	323
324	Footwear	25	28	28	...	...	1.3	1.1	1.1	...	...	324
331	Wood products	288	266	247	...	...	4.1	4.0	4.0	...	...	331
332	Furniture, fixtures	253	253	242	...	...	3.3	3.2	3.2	...	...	332
341	Paper and products	76	80	86	...	...	3.4	3.3	3.3	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	308	349	364	...	...	10.0	10.2	10.8	...	...	342
351	Industrial chemicals ... e/	204	214	217	...	...	11.8	12.3	12.5	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. e/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[10	10	10]	...	...	[0.4	0.4	0.4]	...	...	353
354	Petroleum,coal products.				...	...				...	...	354
355	Rubber products	37	34	36	...	...	2.2	2.1	2.1	...	...	355
356	Plastic products n.e.c..	181	192	207	...	...	5.7	5.8	6.3	...	...	356
361	Pottery,china etc	18	20	15	...	...	0.7	0.7	0.6	...	...	361
362	Glass and products	48	50	50	...	...	4.8	4.7	4.0	...	...	362
369	Non-metal products n.e.c	258	251	242	...	...	6.8	6.5	6.1	...	...	369
371	Iron and steel	27	26	30	...	...	1.4	1.4	1.6	...	...	371
372	Non-ferrous metals	12	14	11	...	...	0.3	0.3	0.2	...	...	372
381	Metal products	610	647	627	...	...	11.4	11.7	11.6	...	...	381
382	Machinery n.e.c.	296	302	310	...	...	13.7	13.5	14.2	...	...	382
3825	Office,computing etc..	40	43	44	...	...	6.0	6.1	6.6	...	...	3825
383	Electrical machinery ...	266	278	289	...	...	17.5	17.9	19.0	...	...	383
3832	Radio,television etc..	117	130	146	...	...	8.1	8.3	9.0	...	...	3832
384	Transport equipment	117	116	120	...	...	6.8	6.8	7.1	...	...	384
3841	Shipbuilding, repair..	29	27	27	...	...	0.5	0.4	0.6	...	...	3841
3843	Motor vehicles	78	78	83	...	...	2.7	2.6	3.0	...	...	3843
385	Professional goods	89	89	83	...	...	6.8	6.9	7.0	...	...	385
390	Other industries	91	99	97	...	...	2.4	2.5	2.6	...	...	390
3	Manufacturing	4630	4736	4706	...	...	185.1	183.5	185.0	...	...	3
410	Electricity,gas,steam .. d/	39	38	40	...	...	13.4	12.7	12.2	...	...	410
4101	Electricity	28	28	28	...	...	11.8	11.6	11.2	...	...	4101
420	Water works and supply .	60	58	56	...	...	2.4	2.3	2.1	...	...	420
4	Electricity,gas etc d/	99	96	96	...	...	15.8	15.0	14.3	...	...	4
2-4	All industry	4849	4948	4914	...	...	208.7	206.4	205.8	...	...	2-4

Note. For description of classification, see country note.

a/ Establishments with 3 or more persons engaged.
b/ For a week in the middle of September.
c/ Data relate to september quarter.
d/ Major group 220 is included in 410.
e/ Major group 352 is included in 351.

IRELAND

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/b/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/c/ (MILLION POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	0.3	0.2	0.2	...	...	3.1	2.7	2.5	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	1.0	0.8	0.8	...	...	21.9	19.7	17.2	...	...	230
290	Other mining	6.5	6.8	5.5	...	...	77.1	82.7	72.0	...	...	290
2	Mining, quarrying . d/	7.8	7.8	6.5	...	...	102.1	105.1	91.7	...	...	2
311/2	Food products	38.0	37.3	37.3	...	...	383.3	399.7	411.3	...	...	311/2
313	Beverages	5.7	5.4	5.2	...	...	96.3	97.8	94.4	...	...	313
314	Tobacco	1.8	1.7	1.6	...	...	23.6	24.0	23.1	...	...	314
321	Textiles	11.5	11.1	11.6	...	...	96.1	99.0	108.0	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	12.2	11.9	10.8	...	...	72.3	74.2	69.9	...	...	322
323	Leather and products ...	0.7	0.7	0.6	...	...	5.2	5.3	4.5	...	...	323
324	Footwear	1.3	1.1	1.1	...	...	11.1	8.6	8.5	...	...	324
331	Wood products	4.1	3.9	4.0	...	...	31.4	32.9	34.8	...	...	331
332	Furniture, fixtures	3.3	3.1	3.2	...	...	21.8	22.4	23.0	...	...	332
341	Paper and products	3.4	3.3	3.3	...	...	37.5	37.9	42.3	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	9.9	10.2	10.8	...	...	119.6	131.6	145.5	...	...	342
351	Industrial chemicals ... e/	11.8	12.3	12.5	...	...	169.7	186.5	199.9	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. e/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[0.4	0.4	0.4]	...	...	[5.9	5.9	6.0]	...	...	353
354	Petroleum,coal products.				...	...				...	...	354
355	Rubber products	2.2	2.1	2.1	...	...	23.5	23.9	24.2	...	...	355
356	Plastic products n.e.c..	5.6	5.8	6.3	...	...	54.0	57.3	66.7	...	...	356
361	Pottery,china etc	0.7	0.7	0.6	...	...	6.3	7.0	5.9	...	...	361
362	Glass and products	4.8	4.6	4.0	...	...	68.9	69.4	68.2	...	...	362
369	Non-metal products n.e.c	6.7	6.5	6.1	...	...	83.2	86.4	86.7	...	...	369
371	Iron and steel	1.4	1.4	1.6	...	...	17.8	17.8	20.3	...	...	371
372	Non-ferrous metals	0.3	0.3	0.2	...	...	3.6	3.6	1.4	...	...	372
381	Metal products	11.3	11.6	11.5	...	...	101.6	109.4	112.2	...	...	381
382	Machinery n.e.c.	13.7	13.5	14.2	...	...	153.5	161.9	177.5	...	...	382
3825	Office,computing etc..	6.0	6.1	6.6	...	...	78.8	83.9	94.2	...	...	3825
383	Electrical machinery ...	17.5	17.9	18.9	...	...	167.2	182.7	209.6	...	...	383
3832	Radio,television etc..	8.1	8.3	9.0	...	...	82.8	95.3	113.5	...	...	3832
384	Transport equipment	6.8	6.8	7.1	...	...	80.3	88.7	99.4	...	...	384
3841	Shipbuilding, repair..	0.4	0.4	0.6	...	...	3.2	4.3	5.6	...	...	3841
3843	Motor vehicles	2.7	2.6	3.0	...	...	26.7	26.3	34.2	...	...	3843
385	Professional goods	6.8	6.9	7.0	...	...	67.5	75.3	84.3	...	...	385
390	Other industries	2.3	2.5	2.6	...	...	18.4	20.8	22.5	...	...	390
3	Manufacturing	184.1	182.8	184.5	...	...	1919.5	2030.2	2150.2	...	...	3
410	Electricity,gas,steam .. d/	13.4	12.7	12.2	...	...	191.9	187.3	194.1	...	...	410
4101	Electricity	11.8	11.6	11.2	...	...	168.8	170.3	174.9	...	...	4101
420	Water works and supply .	2.4	2.3	2.1	...	...	21.2	21.7	20.2	...	...	420
4	Electricity,gas etc d/	15.8	15.0	14.3	...	...	213.2	209.0	214.3	...	...	4
2-4	All industry	207.7	205.7	205.2	...	...	2234.8	2344.2	2456.2	...	...	2-4

Note. For description of classification, see country note.

a/ Establishments with 3 or more persons engaged. b/ For a week in the middle of September.
c/ Excluding housing and family allowances paid directly by the employer and also excluding payments in kind.
d/ Major group 220 is included in 410. e/ Major group 352 is included in 351.

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES a/c/ (THOUSANDS)					6. WAGES AND SALARIES OF OPERATIVES a/b/ (MILLION POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	0.3	0.2	0.2	...	...	2.8	2.4	2.4	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	0.8	0.6	0.6	...	...	16.5	14.8	12.7	...	...	230
290	Other mining	5.4	5.8	4.6	...	...	59.7	65.1	54.1	...	...	290
2	Mining, quarrying d/	6.5	6.7	5.3	...	...	78.9	82.3	69.2	...	...	2
311/2	Food products	30.3	29.6	29.5	...	...	283.2	294.3	299.2	...	...	311/2
313	Beverages	4.0	3.8	3.6	...	...	64.8	65.0	61.5	...	...	313
314	Tobacco	1.2	1.1	1.0	...	...	12.9	12.8	12.4	...	...	314
321	Textiles	9.7	9.3	9.8	...	...	74.6	76.3	84.2	...	...	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	11.0	10.7	9.7	...	...	60.2	61.5	58.7	...	...	322
323	Leather and products	0.6	0.5	0.5	...	...	4.3	4.0	3.5	...	...	323
324	Footwear	1.1	0.9	0.9	...	...	8.8	6.7	6.4	...	...	324
331	Wood products	3.4	3.2	3.2	...	...	24.1	24.7	26.3	...	...	331
332	Furniture, fixtures	2.7	2.6	2.6	...	...	17.3	17.3	17.8	...	...	332
341	Paper and products	2.6	2.4	2.5	...	...	27.5	26.7	29.8	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	6.4	6.5	7.1	...	...	72.5	78.5	88.9	...	...	342
351	Industrial chemicals e/	7.7	7.8	7.9	...	...	103.1	111.1	116.8	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. e/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries	[0.3	0.3	0.3]	...	...	[3.7	3.6	3.7]	...	...	353
354	Petroleum,coal products.				...	...				...	...	354
355	Rubber products	1.9	1.8	1.8	...	...	18.8	18.6	19.3	...	...	355
356	Plastic products n.e.c.	4.5	4.6	4.9	...	...	39.3	41.6	48.8	...	...	356
361	Pottery,china etc	0.6	0.5	0.5	...	...	4.7	4.6	4.0	...	...	361
362	Glass and products	4.2	4.1	3.4	...	...	58.2	58.4	55.5	...	...	362
369	Non-metal products n.e.c	4.9	4.6	4.4	...	...	53.8	54.7	56.9	...	...	369
371	Iron and steel	1.1	1.1	1.2	...	...	13.2	13.1	14.8	...	...	371
372	Non-ferrous metals	0.2	0.2	0.1	...	...	2.4	2.3	0.9	...	...	372
381	Metal products	8.9	9.2	9.1	...	...	76.5	81.6	84.2	...	...	381
382	Machinery n.e.c.	9.1	8.9	9.3	...	...	84.7	87.9	95.7	...	...	382
3825	Office,computing etc.	3.2	3.2	3.5	...	...	33.5	33.7	37.4	...	...	3825
383	Electrical machinery	13.3	13.4	14.3	...	...	108.5	117.1	135.0	...	...	383
3832	Radio,television etc.	5.6	5.6	5.9	...	...	47.6	52.5	61.4	...	...	3832
384	Transport equipment	5.7	5.7	6.0	...	...	66.3	73.0	82.7	...	...	384
3841	Shipbuilding, repair	0.4	0.4	0.5	...	...	2.6	3.6	4.7	...	...	3841
3843	Motor vehicles	2.3	2.2	2.6	...	...	22.2	21.5	28.4	...	...	3843
385	Professional goods	5.3	5.4	5.4	...	...	45.9	51.3	56.7	...	...	385
390	Other industries	1.9	2.0	2.1	...	...	13.0	14.7	15.9	...	...	390
3	Manufacturing	142.6	140.4	141.2	...	...	1342.0	1401.4	1479.6	...	...	3
410	Electricity,gas,steam d/	8.3	7.8	7.4	...	...	105.6	102.2	103.8	...	...	410
4101	Electricity	7.4	7.2	6.9	...	...	93.2	93.3	94.2	...	...	4101
420	Water works and supply	1.9	1.9	1.7	...	...	16.6	16.4	15.0	...	...	420
4	Electricity,gas etc d/	10.2	9.7	9.1	...	...	122.2	118.5	118.7	...	...	4
2-4	All industry	159.3	156.8	155.6	...	...	1543.2	1602.3	1667.5	...	...	2-4

Note. For description of classification, see country note.

a/ Establishments with 3 or more persons engaged.
b/ Excluding housing and family allowances paid directly by the employer and also excluding payments in kind.
c/ For a week in the middle of September.
d/ Major group 220 is included in 410.
e/ Major group 352 is included in 351.

IRELAND

ISIC	INDUSTRY	7. OUTPUT IN FACTOR VALUES a/ (MILLION POUNDS)					8. VALUE ADDED IN FACTOR VALUES a/ (MILLION POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	5	4	4	...	...	3.8	3.4	3.1	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	70	56	91	...	...	48.9	39.6	69.6	...	...	230
290	Other mining	181	204	182	...	...	138.1	159.6	133.6	...	...	290
2	Mining, quarrying . b/	255	264	276	...	...	190.9	202.6	206.2	...	...	2
311/2	Food products	4974	5367	5780	...	...	1218.3	1466.0	1609.0	...	...	311/2
313	Beverages	547	567	642	...	...	333.7	347.9	397.0	...	...	313
314	Tobacco	125	125	128	...	...	72.8	77.6	84.2	...	...	314
321	Textiles	458	473	499	...	...	163.6	188.0	191.4	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	237	241	232	...	...	112.8	117.1	114.3	...	...	322
323	Leather and products ...	49	52	55	...	...	10.8	9.2	9.7	...	...	323
324	Footwear	33	27	28	...	...	13.3	12.7	13.9	...	...	324
331	Wood products	180	188	202	...	...	69.1	76.4	78.7	...	...	331
332	Furniture, fixtures	83	90	99	...	...	35.8	39.0	42.3	...	...	332
341	Paper and products	205	214	250	...	...	80.2	82.7	97.0	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	349	387	449	...	...	224.9	246.9	281.6	...	...	342
351	Industrial chemicals ... c/	1610	1653	1895	...	...	891.8	904.1	1101.9	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[174	184	145]	...	...	[16.8	18.7	21.0]	...	...	353
354	Petroleum,coal products.				...	...				...	...	354
355	Rubber products	104	107	120	...	...	54.6	56.1	60.3	...	...	355
356	Plastic products n.e.c..	284	308	378	...	...	125.8	138.9	160.7	...	...	356
361	Pottery,china etc	27	27	23	...	...	13.1	14.0	13.4	...	...	361
362	Glass and products	176	146	162	...	...	116.1	92.2	103.1	...	...	362
369	Non-metal products n.e.c	505	487	566	...	...	212.4	207.1	271.7	...	...	369
371	Iron and steel	106	103	128	...	...	39.7	44.1	58.3	...	...	371
372	Non-ferrous metals	27	30	29	...	...	8.3	8.8	6.3	...	...	372
381	Metal products	452	489	547	...	...	200.4	216.7	242.2	...	...	381
382	Machinery n.e.c.	1999	2169	2504	...	...	919.9	1050.0	1178.2	...	...	382
3825	Office,computing etc..	1636	1773	2065	...	...	744.6	853.7	959.6	...	...	3825
383	Electrical machinery ...	933	1201	1631	...	...	488.6	661.3	891.2	...	...	383
3832	Radio,television etc..	570	804	1156	...	...	318.6	478.3	676.9	...	...	3832
384	Transport equipment	245	279	312	...	...	115.8	145.6	162.7	...	...	384
3841	Shipbuilding, repair..	10	19	25	...	...	4.6	7.8	10.4	...	...	3841
3843	Motor vehicles	96	103	115	...	...	39.8	47.5	51.9	...	...	3843
385	Professional goods	374	423	469	...	...	212.1	251.7	292.5	...	...	385
390	Other industries	87	104	103	...	...	45.0	54.1	51.6	...	...	390
3	Manufacturing	14343	15443	17376	...	...	5795.6	6526.9	7534.3	...	...	3
410	Electricity,gas,steam .. b/	951	915	902	...	...	675.5	624.0	604.5	...	...	410
4101	Electricity	808	796	785	...	...	539.6	520.9	516.4	...	...	4101
420	Water works and supply .	41	48	52	...	...	20.4	28.1	32.4	...	...	420
4	Electricity,gas etc b/	993	963	953	...	...	695.9	652.2	636.8	...	...	4
2-4	All industry	15591	16671	18605	...	...	6682.4	7381.6	8377.3	...	...	2-4

Note. For description of classification, see country note.

a/ Establishments with 3 or more persons engaged.
b/ Major group 220 is included in 410.
c/ Major group 352 is included in 351.

ISIC	INDUSTRY	9. GROSS FIXED CAPITAL FORMATION TOTAL a/ (MILLION POUNDS)					10. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/ (MILLION POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	0.3	-	0.2	...	...	0.3	-	0.2	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	5.0	6.1	6.5	...	...	3.8	5.0	5.7	...	...	230
290	Other mining	9.0	12.3	13.4	...	...	7.3	10.7	7.3	...	...	290
2	Mining, quarrying . b/	14.2	18.4	20.1	...	...	11.3	15.7	13.2	...	...	2
311/2	Food products	107.4	111.4	155.0	...	...	73.5	76.2	115.0	...	...	311/2
313	Beverages	60.6	41.4	29.9	...	...	43.8	42.0	16.1	...	...	313
314	Tobacco	2.6	3.9	2.3	...	...	2.1	3.6	1.9	...	...	314
321	Textiles	13.6	13.4	28.7	...	...	8.4	8.3	21.7	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	6.1	6.6	6.0	...	...	3.8	4.2	4.7	...	...	322
323	Leather and products ...	0.8	0.2	0.6	...	...	0.4	0.4	0.5	...	...	323
324	Footwear	0.6	0.5	1.9	...	...	0.5	0.4	0.5	...	...	324
331	Wood products	5.6	4.5	6.6	...	...	3.4	3.2	5.7	...	...	331
332	Furniture, fixtures	2.5	1.7	3.0	...	...	1.4	1.0	2.1	...	...	332
341	Paper and products	9.3	9.9	12.0	...	...	8.6	8.3	10.5	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	15.4	20.5	37.0	...	...	13.3	16.0	31.0	...	...	342
351	Industrial chemicals ... c/	66.9	87.2	122.7	...	...	50.3	58.3	88.0	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[1.6	2.3	2.3]	...	...	[1.3	2.0	2.2]	...	...	353
354	Petroleum,coal products.				...	...				...	...	354
355	Rubber products	2.6	0.3	5.8	...	...	2.4	-0.2	4.1	...	...	355
356	Plastic products n.e.c..	16.1	12.0	24.3	...	...	13.3	9.8	18.2	...	...	356
361	Pottery,china etc	1.2	-1.5	1.0	...	...	1.1	-2.3	0.9	...	...	361
362	Glass and products	6.5	5.0	6.1	...	...	5.1	4.1	4.8	...	...	362
369	Non-metal products n.e.c	17.5	16.0	21.3	...	...	12.1	13.4	19.7	...	...	369
371	Iron and steel	0.9	1.9	5.0	...	...	0.8	1.9	4.4	...	...	371
372	Non-ferrous metals	1.9	0.3	0.5	...	...	1.7	-	0.5	...	...	372
381	Metal products	16.7	18.5	19.5	...	...	13.4	13.6	16.1	...	...	381
382	Machinery n.e.c.	47 1	37.4	48.4	...	...	31.6	29.9	38.1	...	...	382
3825	Office,computing etc..	34.5	24.7	31.4	...	...	21.4	21.2	26.6	...	...	3825
383	Electrical machinery ...	45.2	47.0	62.7	...	...	31.4	35.7	42.1	...	...	383
3832	Radio,television etc..	24.9	28.8	38.8	...	...	18.6	21.2	23.9	...	...	3832
384	Transport equipment	7.7	9.4	11.5	...	...	4.4	7.0	7.4	...	...	384
3841	Shipbuilding, repair..	2.7	1.4	1.1	...	...	0.4	0.7	0.5	...	...	3841
3843	Motor vehicles	1.6	1.9	3.7	...	...	1.3	1.2	2.9	...	...	3843
385	Professional goods	15.5	25.1	20.6	...	...	11.4	19.3	16.7	...	...	385
390	Other industries	5.4	2.3	5.1	...	...	3.0	1.7	2.9	...	...	390
3	Manufacturing	477.4	477.1	640.0	...	...	342.7	357.8	475.9	...	...	3
410	Electricity,gas,steam .. b/	132.8	120.1	106.7	...	...	87.3	87.3	69.4	...	...	410
4101	Electricity	98.1	92.7	78.6	...	...	85.6	85.6	71.1	...	...	4101
420	Water works and supply .	46.5	10.5	8.2	...	...	2.7	2.5	1.4	...	...	420
4	Electricity,gas etc b/	179.3	130.5	114.8	...	...	90.0	89.9	70.8	...	...	4
2-4	All industry	670.9	626.0	775.0	...	...	444.0	463.3	559.9	...	...	2-4

Note. For description of classification, see country note.

a/ Establishments with 3 or more persons engaged.
b/ Major group 220 is included in 410.
c/ Major group 352 is included in 351.

IRELAND

11. VALUE OF STOCKS AT END OF PERIOD
TOTAL a/b/
(MILLION POUNDS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	0.2	0.2	0.1	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	6.2	5.2	5.7	...	...	230
290	Other mining	44.7	55.0	33.4	...	...	290
2	Mining, quarrying . c/	51.1	60.4	39.3	...	...	2
311/2	Food products	348.1	387.9	453.4	...	...	311/2
313	Beverages	133.4	130.3	132.1	...	...	313
314	Tobacco	27.5	25.3	23.7	...	...	314
321	Textiles	90.0	91.9	102.6	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	3211
322	Wearing apparel	40.4	40.2	38.1	...	...	322
323	Leather and products ...	7.7	7.1	8.0	...	...	323
324	Footwear	6.8	5.3	6.3	...	...	324
331	Wood products	28.3	27.5	28.1	...	...	331
332	Furniture, fixtures	13.9	15.5	16.2	...	...	332
341	Paper and products	24.2	26.2	35.0	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	28.1	30.0	33.4	...	...	342
351	Industrial chemicals ... d/	298.7	293.7	336.3	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products. d/	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	3522
353	Petroleum refineries ...	[20.0	23.5	14.8]	...	...	353
354	Petroleum,coal products.				...	...	354
355	Rubber products	14.9	13.8	15.5	...	...	355
356	Plastic products n.e.c..	42.6	42.9	50.0	...	...	356
361	Pottery,china etc	8.4	7.5	6.0	...	...	361
362	Glass and products	49.5	47.6	34.3	...	...	362
369	Non-metal products n.e.c	99.6	93.2	123.1	...	...	369
371	Iron and steel	22.0	20.0	19.6	...	...	371
372	Non-ferrous metals	4.7	5.4	2.8	...	...	372
381	Metal products	69.6	70.4	80.7	...	...	381
382	Machinery n.e.c.	297.8	266.7	316.3	...	...	382
3825	Office,computing etc..	225.7	195.8	235.0	...	...	3825
383	Electrical machinery ...	153.9	155.4	211.0	...	...	383
3832	Radio,television etc..	90.1	91.1	134.4	...	...	3832
384	Transport equipment	96.6	98.2	101.7	...	...	384
3841	Shipbuilding, repair..	2.3	2.9	3.9	...	...	3841
3843	Motor vehicles	26.5	23.4	30.3	...	...	3843
385	Professional goods	82.4	74.9	84.8	...	...	385
390	Other industries	23.1	27.2	25.5	...	...	390
3	Manufacturing	2032.3	2027.5	2299.0	...	...	3
410	Electricity,gas,steam .. c/	142.0	119.6	118.8	...	...	410
4101	Electricity	137.4	114.1	111.5	...	...	4101
420	Water works and supply .	2.7	2.1	1.9	...	...	420
4	Electricity,gas etc c/	144.7	121.7	120.7	...	...	4
2-4	All industry	2228.2	2209.6	2459.0	...	...	2-4

Note. For description of classification, see country note.

a/ Establishments with 3 or more persons engaged.
b/ Including goods purchased for resale.
c/ Major group 220 is included in 410.
d/ Major group 352 is included in 351.

12. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	88	106	97	83	80	63	56	57	37	-11.7	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	65	70	77	71	67	65	65	63	62	-5.8	230
290	Other mining	97	100	120	69	80	89	68	96	90	-1.3	290
2	Mining, quarrying .	88	92	108	72	79	85	69	89	84	-2.2	2
311/2	Food products	104	109	115	121	126	142	150	153	159	6.0	311/2
313	Beverages	103	97	103	110	112	111	120	135	137	4.0	313
314	Tobacco	94	95	82	84	84	78	76	76	73	-3.9	314
321	Textiles	101	92	96	93	92	95	99	103	111	1.3	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	106	104	98	97	97	100	93	87	88	-1.6	322
323	Leather and products ...	86	84	81	63	53	49	47	48	47	-9.0	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	92	87	87	86	83	83	91	96	102	0.2	331
332	Furniture, fixtures											332
341	Paper and products	81	80	85	82	86	85	83	89	88	-1.6	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	94	93	97	97	104	118	134	144	147	4.9	342
351	Industrial chemicals ... b/	110	132	145	166	165	172	200	240	247	12.0	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products b		...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	113	104	102	102	100	103	105	105	120	2.3	355
356	Plastic products n.e.c..	118	134	141	155	169	170	182	190	199	9.0	356
361	Pottery,china etc											361
362	Glass and products	88	89	92	99	97	92	93	110	115	1.8	362
369	Non-metal products n.e.c											369
371	Iron and steel	102	113	121	130	120	120	136	150	158	5.9	371
372	Non-ferrous metals											372
381	Metal products	83	78	80	78	72	72	75	79	84	-2.2	381
382	Machinery n.e.c.	140	181	246	257	291	376	480	531	555	23.9	382
3825	Office,computing etc..	191	277	417	426	500	674	898	997	1055	34.2	3825
383	Electrical machinery ...	123	147	186	192	200	244	317	409	448	20.6	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	95	92	83	66	61	62	67	77	76	-3.4	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	89	76	61	43	36	37	46	58	53	-7.6	3843
385	Professional goods	128	154	172	174	174	204	210	234	257	12.5	385
390	Other industries	85	99	81	62	64	78	78	92	94	-0.8	390
3	Manufacturing ..... c/	105	114	125	131	135	149	167	187	196	8.8	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	113	118	125	133	127	124	128	135	144	4.7	4
2-4	All industry d/	105	113	124	128	131	143	158	176	184	7.9	2-4

a/ Annual growth rate 1982-1990.
b/ Major group 352 is included in 351.
c/ Excluding petroleum refineries.
d/ Excluding petroleum refineries electricity, gas and steam.

ISRAEL

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Central Bureau of Statistics, Jerusalem. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates are generally derived from the annual industry and crafts survey carried out by the Central Bureau of Statistics. The survey covers mining and manufacturing and is conducted by sampling methods. The survey population comprises all establishments operating during the survey year, or part of it, which on the average engage 5 persons or more, except (a) non-profit establishments (such as workshops for training or rehabilitation purposes), (b) auxiliary industrial units in kibbutz establishments where the bulk of production is consumed by the kibbutz itself and (c) establishments that are being set-up or run-in throughout the survey year, and do not currently contribute to the output. The establishments surveyed cover about 95 per cent of all employees in industry. The diamond industry (ISIC 390) is excluded from the scope of inquiry because of the special nature of the establishments in the industry. The data in the tables for 1989 and 1990, except for the number of establishments shown in table 1 which relate only to 1990, are obtained from the results of a monthly sample survey of industrial production. Those data cover establishments with one or more employee.

The reference period for both surveys is the calendar year from 1 January to 31 December, which coincides with the financial year of most establishments. Other establishments are allowed to report for different periods, provided that their returns cover at least six months of the financial year.

The estimates are based on the national classification of 1970 which, in principle, follows the present version of ISIC. It should be noted that manufacture of knitted goods, except fabrics (ISIC 321) is included in ISIC 322 and for the estimates other than those obtained from the industry and crafts survey, ISIC group 3513 is included in ISIC 321.

The unit of investigation which is also the unit of tabulation is the establishment, defined as an economic unit producing or manufacturing products and/or supplying industrial services, generally located at one site and engaged in a single economic activity. In the case of establishments engaged in different economic activities, the book-keeping practices of the departments involved determine which units can be treated as separate establishments. Departments operating as auxiliary units for the sole purpose of serving the establishment are not treated separately.

The employment figures are annual averages of the number of paid employees and members of co-operative societies in four selected months of the reference year plus, for persons engaged, the number of working proprietors and unpaid family workers for one period. Homeworkers are not included. Unsalaried kibbutz members are considered to be in the category of working proprietors. For 1989 and 1990, the estimates of employees are averages of 12 monthly figures.

Wages and salaries cover all payments appearing on the pay-roll on which income tax is due (before deduction of taxes), including basic salary, cost-of-living and other allowances (except employees' child allowance), premiums, bonuses, payments for overtime, leave, sickness etc., bus fare, professional literature, "13th" month salary, maintenance of vehicles, telephone, clothing, lodging and payments in kind (meals, presents, housing etc.). Figures for 1987, 1989 and 1990 also include labor expenses which do not appear on payrolls, such as payments for national insurances, pension fund etc.

The data for days worked refer to operatives, defined as all employees directly associated with the production process, the physical handling of materials and products and the maintenance of equipment, regardless of basis of remuneration. Overtime is included and converted into work-days by dividing the overtime hours worked by the normal number of hours worked per day in the establishment (usually 8). For 1989 and 1990, the data refer to hours worked by operatives.

The estimates of electricity consumed are obtained from the Israel Electric Corporation and from industrial establishments with power stations having a registered capacity of 300 or more kilowatts. The estimates cover the consumption of all establishments and relate to calendar years. The classification is by broad groupings of the classification followed by the Israel Electric Corporation.

The estimates of output relate to gross revenue adjusted for changes in the value of stocks of finished goods and work in progress. Gross revenue is defined as the ex-factory value of sales made or work done of an industrial nature excluding income from non-industrial activities, such as the sale of goods sold in the same condition as received and income from business sources (interest, rent etc.). The value of fixed assets produced by the establishment for its own use is included. Valuation is in producers' prices.

Value added is the difference between output as defined above and expenditures on materials, fuels and electricity purchased, work contracted out and maintenance and repairs; adjustments are made for changes in the value of stocks of materials and work in progress.

The estimates of gross fixed capital formation relate to the gross value of new and used assets acquired, except land. No deduction is made for revenue derived from sales. Progress payments made for fixed assets on order but not yet completed are not included, nor is fixed capital formation in new establishments not yet in operation. The latter is the subject of a special inquiry.

The indices of industrial production are compiled by the Central Bureau of Statistics and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover all industrial establishments and workshops with at least one employee.

Related national publications:

Industry and Crafts Survey (annual); Statistical Abstract of Israel (annual); Monthly Bulletin of Statistics, all published by the Central Bureau of Statistics, Jerusalem.

ISRAEL

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER) 1986	a/ 1987	a/b/ 1988	1989	c/ 1990	2. AVERAGE NUMBER OF PERSONS ENGAGED (THOUSANDS) 1986	a/ 1987	a/b/ 1988	d/ 1989	d/ 1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	43	42	26	52	...	3.7	3.5	3.6	3.6	2
311/2	Food products	...	927	980	[	]	...	49.1	49.0	[	]	311/2
313	Beverages	...	31	33	1272	1666	...	3.1	3.4	50.2	48.1	313
314	Tobacco	...	3	3	[	]	...	0.7	0.6	[	]	314
321	Textiles	...	397	322	441	660	...	17.1	15.0	14.6	15.6	321
3211	Spinning,weaving etc..	...	202	150	...	...	...	12.6	10.8	...	...	3211
322	Wearing apparel	...	948	1009	1262	1700	...	32.2	31.2	34.1	33.1	322
323	Leather and products ...	...	69	67	[	]	...	1.1	0.9	[	]	323
324	Footwear	...	137	123	222	396	...	3.1	2.8	3.9	3.9	324
331	Wood products	...	154	230	[	]	...	5.1	5.2	[	]	331
332	Furniture, fixtures	...	416	410	1368	2223	...	6.4	6.5	14.8	15.2	332
341	Paper and products	...	153	161	217	226	...	7.4	7.4	6.7	6.5	341
3411	Pulp,paper etc.	...	14	15	...	...	...	2.0	1.9	...	...	3411
342	Printing,publishing	...	634	635	1020	1393	...	13.6	13.7	17.3	18.0	342
351	Industrial chemicals ...	...	e/ 87	e/ 53	f/ 216	f/ 268	...	e/ 9.9	e/ 9.5	f/ 19.3	f/ 19.4	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	...	144	172	f/	f/	...	9.1	9.8	f/	f/	352
3522	Drugs and medicines ..	...	41	33	...	...	...	3.4	3.1	...	...	3522
353	Petroleum refineries ...	...	e/	e/	f/	f/	...	e/	e/	f/	f/	353
354	Petroleum,coal products.	...	e/	e/	f/	f/	...	e/	e/	f/	f/	354
355	Rubber products	...	47	49	[	]	...	3.4	2.9	[	]	355
356	Plastic products n.e.c..	...	391	419	478	605	...	10.5	11.5	15.0	14.8	356
361	Pottery,china etc	...	33	32	[	]	...	1.3	1.3	[	]	361
362	Glass and products	...	40	35	399	634	...	1.0	0.9	9.8	9.6	362
369	Non-metal products n.e.c	...	233	243	[	]	...	6.4	6.5	[	]	369
371	Iron and steel	...	56	23	[	]	...	3.5	2.6	[	]	371
372	Non-ferrous metals	...	61	57	125	159	...	1.9	1.9	5.3	5.2	372
381	Metal products	...	1194	1174	2017	2778	...	39.1	38.5	43.0	42.4	381
382	Machinery n.e.c.	...	232	196	225	543	...	9.7	8.5	9.7	9.5	382
3825	Office,computing etc..	...	42	39	...	...	...	3.4	3.3	...	...	3825
383	Electrical machinery ...	...	501	454	530	906	...	44.1	42.6	45.4	44.6	383
3832	Radio,television etc..	...	200	217	...	...	...	34.2	34.2	...	...	3832
384	Transport equipment	...	89	107	81	293	...	17.7	15.3	18.0	18.2	384
3841	Shipbuilding, repair..	...	14	13	...	...	...	0.6	0.5	...	...	3841
3843	Motor vehicles	...	51	67	...	...	...	2.9	3.0	...	...	3843
385	Professional goods	...	83	65	[	]	...	4.2	3.9	[	]	385
390	Other industries	...	199	221	378	685	...	4.8	4.8	8.9	8.9	390
3	Manufacturing	...	7259	7273	10251	15135	...	305.5	296.0	316.0	313.0	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

Note. For certain differences in classification, see country note.

a/ Establishments with 5 or more persons engaged.
b/ In the survey of 1988, corrections were made in the classification of firms by branch of industry.
c/ Data refer to new sample of establishments.
d/ Beginning 1989, data based on new sample of establishments.
e/ Major groups 353 and 354 are included in 351.
f/ Major groups 352 to 354 are included in 351.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES (THOUSANDS) 1986	a/ 1987	a/b/ 1988	c/ 1989	c/ 1990	4. WAGES AND SALARIES OF EMPLOYEES (MILLION SHEKELS) 1986	a/ 1987	a/b/ 1988	c/ 1989	c/ 1990	ISIC
210	Coal mining	...	-	-	-	-	...	-	-	-	-	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	3.7	3.5	3.5	3.5	...	168	196	159	183	2
311/2	Food products	...	48.5	48.6			...	867	1045			311/2
313	Beverages	...	3.1	3.4	48.3	46.2	...	66	80	993	1131	313
314	Tobacco	...	0.7	0.6			...	20	22			314
321	Textiles	...	17.0	14.9	14.1	14.9	...	328	343	274	345	321
3211	Spinning,weaving etc..	...	12.5	10.7	...	...	...	250	259	...	...	3211
322	Wearing apparel	...	31.6	30.5	32.5	31.5	...	391	449	452	493	322
323	Leather and products ...	...	1.0	0.9	4.0	3.6	...	15	17	66	73	323
324	Footwear	...	3.1	2.7			...	55	57			324
331	Wood products	...	5.0	5.0	12.5	12.9	...	106	122	253	296	331
332	Furniture, fixtures	...	6.1	6.3			...	114	130			332
341	Paper and products	...	7.4	7.4	6.3	6.2	...	190	235	155	186	341
3411	Pulp,paper etc.	...	2.0	1.9	...	...	...	46	67	...	...	3411
342	Printing,publishing	...	13.4	13.4	16.5	17.2	...	321	391	419	523	342
351	Industrial chemicals ...	...	9.9 d/	9.5 d/	18.7 e/	18.9 e/	...	385 d/	453 d/	671 e/	827 e/	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	...	9.1	9.8	e/	e/	...	266	327	e/	e/	352
3522	Drugs and medicines ..	...	3.4	3.1	...	...	...	99	114	...	...	3522
353	Petroleum refineries ...	...	d/	d/	e/	e/	...	d/	d/	e/	e/	353
354	Petroleum,coal products.	...	d/	d/	e/	e/	...	d/	d/	e/	e/	354
355	Rubber products	...	3.4	2.9	11.4	11.4	...	89	81	258	299	355
356	Plastic products n.e.c..	...	10.4	11.5			...	195	250			356
361	Pottery,china etc	...	1.3	1.3			...	30	33			361
362	Glass and products	...	1.0	0.9	9.1	8.8	...	31	29	239	274	362
369	Non-metal products n.e.c	...	6.2	6.4			...	163	203			369
371	Iron and steel	...	3.5	2.5	5.1	5.0	...	107	119	141	161	371
372	Non-ferrous metals	...	1.9	1.9			...	39	50			372
381	Metal products	...	38.7	37.9	39.1	39.0	...	1101	1271	1121	1280	381
382	Machinery n.e.c.	...	9.6	8.4	9.1	9.0	...	240	276	277	318	382
3825	Office,computing etc..	...	3.4	3.3	...	...	...	84	103	...	...	3825
383	Electrical machinery ...	...	44.1	42.6	44.3	43.4	...	1656	1918	1812	2126	383
3832	Radio,television etc..	...	34.2	34.2	...	...	...	1422	1674	...	...	3832
384	Transport equipment	...	17.7	15.3	17.5	17.7	...	717	743	759	889	384
3841	Shipbuilding, repair..	...	0.6	0.5	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	2.9	3.0	...	...	...	75	86	...	...	3843
385	Professional goods	...	4.1	3.9	7.8	7.8	...	124	134	222	253	385
390	Other industries	..	4.7	4.7			...	79	97			390
3	Manufacturing	...	302.5	293.1	296.4	293.5	...	7695	8875	8112	9474	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

Note: For certain differences in classification, see country note.

a/ Establishments with 5 or more persons engaged.
b/ In the survey of 1988, corrections were made in the classification of firms by branch of industry.
c/ Beginning 1989, data based on new sample of establishments. d/ Major groups 353 and 354 are included in 351.
e/ Major groups 352 to 354 are included in 351.

ISIC	INDUSTRY	5. HOURS WORKED BY OPERATIVES (MILLIONS)					6. DAYS WORKED BY OPERATIVES a/b/ (MILLIONS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988 c/	1989	1990	
210	Coal mining	...	...	...	...	...	...	-	-	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	7.3	7.3	...	0.87	0.88	...	...	2
311/2	Food products	...	...	...	[	]	...	11.76	11.48	...	...	311/2
313	Beverages	...	...	...	95.1	92.7	...	0.76	0.86	...	...	313
314	Tobacco	...	...	...	]	]	...	0.18	0.16	...	...	314
321	Textiles	...	...	...	31.5	30.8	...	4.25	3.59	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	3.15	2.64	...	...	3211
322	Wearing apparel	...	...	...	60.2	61.5	...	7.63	7.21	...	...	322
323	Leather and products ...	...	...	...	[	]	...	0.26	0.23	...	...	323
324	Footwear	...	...	...	7.2	7.0	...	0.77	0.67	...	...	324
331	Wood products	...	...	...	[	]	...	1.22	1.21	...	...	331
332	Furniture, fixtures	...	...	...	25.5	26.4	...	1.57	1.48	...	...	332
341	Paper and products	...	...	...	13.6	14.1	...	1.99	1.89	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	0.51	0.50	...	...	3411
342	Printing,publishing	...	...	...	35.7 d/	36.2 d/	...	3.49 e/	3.53 e/	...	...	342
351	Industrial chemicals ...	...	...	...	39.5	39.7	...	2.57	2.48	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	...	...	...	d/	d/	...	2.29	2.37	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	0.86	0.77	...	...	3522
353	Petroleum refineries ...	...	...	...	d/	d/	...	e/	e/	...	...	353
354	Petroleum,coal products.	...	...	...	d/	d/	...	e/	e/	...	...	354
355	Rubber products	...	...	...	[	]	...	0.83	0.59	...	...	355
356	Plastic products n.e.c..	...	...	...	22.8	22.6	...	2.67	2.80	...	...	356
361	Pottery,china etc	...	...	...	[	]	...	0.33	0.30	...	...	361
362	Glass and products	...	...	...	19.0	18.6	...	0.25	0.20	...	...	362
369	Non-metal products n.e.c	...	...	...	]	]	...	1.62	1.57	...	...	369
371	Iron and steel	...	...	...	[	]	...	0.83	0.62	...	...	371
372	Non-ferrous metals	...	...	...	10.3	10.2	...	0.48	0.44	...	...	372
381	Metal products	...	...	...	79.2	76.6	...	9.51	9.15	...	...	381
382	Machinery n.e.c.	...	...	...	19.6	18.7	...	2.38	2.07	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	0.83	0.78	...	...	3825
383	Electrical machinery ...	...	...	...	87.3	85.0	...	10.81	10.24	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	8.36	8.20	...	...	3832
384	Transport equipment	...	...	...	34.8	34.7	...	4.27	3.61	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	0.13	0.12	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	0.68	0.69	...	...	3843
385	Professional goods	...	...	...	[	]	...	1.00	0.91	...	...	385
390	Other industries	...	...	...	16.0	16.0	...	1.14	1.11	...	...	390
3	Manufacturing	...	...	...	597.5	590.8	...	74.86	70.77	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Twelve months beginning 1 April of the year indicated. b/ Establishments with 5 or more persons engaged.
c/ In the survey of 1988, corrections were made in the classification of firms by branch of industry.
d/ Major groups 352 to 354 are included in 351. e/ Major groups 353 and 354 are included in 351.

ISIC	INDUSTRY	7. QUANTITY OF ELECTRICITY CONSUMED a/ (MILLION KWH)					8. OUTPUT IN PRODUCERS' PRICES (MILLION SHEKELS)					ISIC
		1986	1987	1988	1989	1990	1986	b/ 1987	b/c/ 1988	d/e/ 1989	d/e/ 1990	
210	Coal mining	-	-	-	-	-	...	-	-	-	-	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	463	487	521	566	555	...	707	825	1061	1123	2
311/2	Food products						...	5299	6711			311/2
313	Beverages	621	673	698	713	728	...	432	511	9968	11543	313
314	Tobacco						...	105	91			314
321	Textiles	340	356	334	338	350	...	1578	1383	2071	2619	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	1187	1008	...	...	3211
322	Wearing apparel	37	43	51	49	56	...	1319	1402	2286	2638	322
323	Leather and products	13	13	12	12	13	...	85	77	396	448	323
324	Footwear						...	204	208			324
331	Wood products	92	100	102	101	108	...	376	428	1388	1694	331
332	Furniture, fixtures						...	438	455			332
341	Paper and products	122	168	175	184	196	...	972	1086	1293	1562	341
3411	Pulp,paper etc.	...	...	...	...	...	...	240	317	...	...	3411
342	Printing,publishing	39	45	50	51	51	...	1086	1244	2164	2541	342
351	Industrial chemicals	f/ 1152	f/ 1250	f/ 1294	f/ 1367	f/ 1384	...	g/ 2277	g/ 2687	f/ 5768	f/ 7140	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products	f/	f/	f/	f/	f/	...	1018	1264	f/	f/	352
3522	Drugs and medicines	...	...	...	...	...	...	404	438	...	...	3522
353	Petroleum refineries	f/	f/	f/	f/	f/	...	g/	g/	f/	f/	353
354	Petroleum,coal products	f/	f/	f/	f/	f/	...	g/	g/	f/	f/	354
355	Rubber products	217	247	239	244	274	...	243	227	2581	3097	355
356	Plastic products n.e.c.						...	1256	1590			356
361	Pottery,china etc						...	80	72			361
362	Glass and products	296	320	312	316	356	...	84	60	1722	2284	362
369	Non-metal products n.e.c						...	764	946			369
371	Iron and steel	178	201	198	202	235	...	462	478	1229	1557	371
372	Non-ferrous metals						...	167	249			372
381	Metal products	411	441	481	489	499	...	3094	3640	5032	6074	381
382	Machinery n.e.c.	63	73	79	84	87	...	777	885	1468	1609	382
3825	Office,computing etc.	...	...	...	...	...	...	278	414	...	...	3825
383	Electrical machinery	229	244	259	274	287	...	4496	5070	7760	9421	383
3832	Radio,television etc.	...	...	...	...	...	...	3675	4163	...	...	3832
384	Transport equipment	186	188	197	211	214	...	1399	1455	2939	3536	384
3841	Shipbuilding, repair	...	...	...	...	...	...	29	36	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	195	268	...	...	3843
385	Professional goods	117	138	178	202	223	...	375	400	1407	1515	385
390	Other industries						....	486	507			390
3	Manufacturing	4113	4500	4659	4837	5061	...	28872	33126	49472	59278	3
410	Electricity,gas,steam	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

Note. For certain differences in classification, see country note.

a/ For description, see country note.
b/ Establishments with 5 or more persons engaged.
c/ In the survey of 1988, corrections were made in the classification of firms by branch of industry.
d/ Estimates based on the industrial production index at marked prices.
e/ Beginning 1989, data based on new sample of establishments.
f/ Major groups 352 to 354 are included in 351.
g/ Major groups 353 and 354 are included in 351.

ISRAEL

ISIC	INDUSTRY	9. VALUE ADDED IN PRODUCERS' PRICES (MILLION SHEKELS) 1986	1987	1988 b/	1989	1990	10. GROSS FIXED CAPITAL FORMATION TOTAL a/ (MILLION SHEKELS) 1986	1987	1988 b/	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	323	428	...	...	...	40	52	...	...	2
311/2	Food products	...	1435	1957	...	...	...	263	307	...	...	311/2
313	Beverages	...	177	210	...	...	...	28	27	...	...	313
314	Tobacco	...	29	28	...	...	...	1	3	...	...	314
321	Textiles	...	576	511	...	...	...	125	65	...	...	321
3211	Spinning,weaving etc..	...	443	279	...	...	...	107	57	...	...	3211
322	Wearing apparel	...	567	568	...	...	...	56	59	...	...	322
323	Leather and products ...	...	30	28	...	...	...	2	2	...	...	323
324	Footwear	...	91	92	...	...	...	8	7	...	...	324
331	Wood products	...	154	176	...	...	...	21	12	...	...	331
332	Furniture, fixtures	...	199	211	...	...	...	23	12	...	...	332
341	Paper and products	...	341	381	...	...	...	77	60	...	...	341
3411	Pulp,paper etc.	...	85	102	...	...	...	22	16	...	...	3411
342	Printing,publishing	...	536	634	...	...	...	43	57	...	...	342
351	Industrial chemicals ... c/	...	889	1059	...	...	...	91	142	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	...	448	583	...	...	...	81	102	...	...	352
3522	Drugs and medicines ..	...	196	223	...	...	...	37	52	...	...	3522
353	Petroleum refineries ... c/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. c/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	105	99	...	...	...	15	7	...	...	355
356	Plastic products n.e.c..	...	507	617	...	...	...	125	116	...	...	356
361	Pottery,china etc	...	44	41	...	...	...	5	14	...	...	361
362	Glass and products	...	46	31	...	...	...	32	6	...	...	362
369	Non-metal products n.e.c	...	307	397	...	...	...	44	62	...	...	369
371	Iron and steel	...	143	133	...	...	...	28	16	...	...	371
372	Non-ferrous metals	...	73	95	...	...	...	10	25	...	...	372
381	Metal products	...	1450	1890	...	...	...	220	203	...	...	381
382	Machinery n.e.c.	...	385	415	...	...	...	29	22	...	...	382
3825	Office,computing etc..	...	121	172	...	...	...	14	10	...	...	3825
383	Electrical machinery ...	...	2453	2912	...	...	...	295	295	...	...	383
3832	Radio,television etc..	...	2095	2517	...	...	...	255	251	...	...	3832
384	Transport equipment	...	840	881	...	...	...	58	38	...	...	384
3841	Shipbuilding, repair..	...	12	18	...	...	...	1	2	...	...	3841
3843	Motor vehicles	...	83	124	...	...	...	5	5	...	...	3843
385	Professional goods	...	209	220	...	...	...	22	18	...	...	385
390	Other industries	...	129	166	...	...	...	18	14	...	...	390
3	Manufacturing	...	12163	14336	...	...	...	1720	1691	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

Note. For certain differences in classification, see country note.

a/ Excluding land. The value of sales is not deducted.
b/ In the survey of 1988, corrections were made in the classification of firms by branch of industry.
c/ Major groups 353 and 354 are included in 351.

ISIC	INDUSTRY	11. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/ (MILLION SHEKELS)					12. VALUE OF STOCKS AT END OF PERIOD TOTAL b/ (MILLION SHEKELS)					ISIC
		1986	1987	c/ 1988	1989	1990	1986	d/ 1987	c/d/ 1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	26	48	...	...	...	153	165	...	...	2
311/2	Food products	...	226	249	...	...	...	514	586	...	...	311/2
313	Beverages	...	22	24	...	...	...	50	63	...	...	313
314	Tobacco	...	1	3	...	...	...	35	27	...	...	314
321	Textiles	...	100	59	...	...	...	337	263	...	...	321
3211	Spinning,weaving etc..	...	87	51	...	...	...	286	211	...	...	3211
322	Wearing apparel	...	44	50	...	...	...	297	294	...	...	322
323	Leather and products ...	...	2	2	...	...	...	13	12	...	...	323
324	Footwear	...	7	6	...	...	...	40	37	...	...	324
331	Wood products	...	19	11	...	...	...	61	70	...	...	331
332	Furniture, fixtures	...	18	11	...	...	...	58	64	...	...	332
341	Paper and products	...	69	53	...	...	...	151	142	...	...	341
3411	Pulp,paper etc.	...	22	16	...	...	...	32	35	...	...	3411
342	Printing,publishing	...	38	54	...	...	...	76	81	...	...	342
351	Industrial chemicals ... e/	...	86	130	...	...	...	333	408	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	...	69	76	...	...	...	251	304	...	...	352
3522	Drugs and medicines ..	...	29	35	...	...	...	87	97	...	...	3522
353	Petroleum refineries ... e/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. e/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	14	7	...	...	...	42	46	...	...	355
356	Plastic products n.e.c..	...	109	99	...	...	...	188	241	...	...	356
361	Pottery,china etc	...	5	7	...	...	...	19	22	...	...	361
362	Glass and products	...	29	6	...	...	...	16	17	...	...	362
369	Non-metal products n.e.c	...	35	51	...	...	...	68	81	...	...	369
371	Iron and steel	...	25	14	...	...	...	92	122	...	...	371
372	Non-ferrous metals	...	10	21	...	...	...	26	46	...	...	372
381	Metal products	...	178	180	...	...	...	952	1163	...	...	381
382	Machinery n.e.c., ...	...	25	20	...	...	...	164	186	...	...	382
3825	Office,computing etc..	...	13	9	...	...	...	61	87	...	...	3825
383	Electrical machinery ...	...	265	250	...	...	...	974	1204	...	...	383
3832	Radio,television etc..	...	231	214	...	...	...	807	1024	...	...	3832
384	Transport equipment	...	46	33	...	...	...	300	379	...	...	384
3841	Shipbuilding, repair..	...	1	2	...	...	...	11	15	...	...	3841
3843	Motor vehicles	...	5	4	...	...	...	46	62	...	...	3843
385	Professional goods	...	17	16	...	...	...	94	118	...	...	385
390	Other industries	...	12	11	...	...	...	70	75	...	...	390
3	Manufacturing	...	1471	1445	...	...	...	5221	6051	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

Note. For certain differences in classification, see country note.

a/ The value of sales is not deducted.
b/ Establishments with 5 or more persons engaged.
c/ In the survey of 1988, corrections were made in the classification of firms by branch of industry.
d/ At 31 December of year indicated.
e/ Major groups 353 and 354 are included in 351.

13. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	107	99	104	108	118	127	116	119	126	2.9	290
2	Mining, quarrying .	107	98	103	108	118	127	115	118	125	2.8	2
311/2	Food products											311/2
313	Beverages	113	123	128	125	144	161	161	157	159	6.0	313
314	Tobacco											314
321	Textiles	106	103	103	99	98	99	92	92	97	-0.4	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... b/	109	102	93	99	113	128	116	104	116	1.9	322
323	Leather and products ...	112	101	101	123	148	164	152	136	139	4.2	323
324	Footwear ..... b/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	117	112	108	112	122	130	129	125	135	3.8	331
332	Furniture, fixtures											332
341	Paper and products	105	107	110	118	137	146	143	143	150	5.2	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	98	110	109	117	133	151	150	147	153	5.5	342
351	Industrial chemicals ... c/	106	118	128	128	131	146	148	156	163	6.3	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... c/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. c/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	108	119	129	136	143	158	143	147	165	6.5	355
356	Plastic products n.e.c..											356
361	Pottery,china etc											361
362	Glass and products	99	96	93	86	89	99	97	94	113	1.5	362
369	Non-metal products n.e.c											369
371	Iron and steel	88	87	99	85	83	86	90	85	106	0.7	371
372	Non-ferrous metals											372
381	Metal products	106	112	118	118	119	123	122	117	124	2.7	381
382	Machinery n.e.c.	112	123	127	129	145	160	159	147	147	4.9	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	114	118	128	141	137	132	133	127	136	3.9	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	95	96	98	103	99	90	72	76	80	-2.8	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	100	117	139	162	167	150	153	165	166	6.5	390
3	Manufacturing	107	111	116	120	124	130	126	124	132	3.5	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry d/	107	111	116	120	124	130	126	124	132	3.5	2-4

a/ Annual growth rate 1982-1990.
b/ Major group 324 is included in 322.
c/ Major groups 352 to 354 are included in 351.
d/ Excluding electricity, gas and steam.

ITALY

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Central Institute of Statistics, Rome. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates are primarily obtained from annual inquiries into gross product and capital investments of the industrial sector conducted by the Central Institute of Statistics. The inquiries are based on a register of all enterprises with 20 or more persons engaged in the 1981 general census, updated annually by information obtained from various sources. The enterprises included account for about 90 per cent of the total contribution of industry to the gross domestic product. The coverage of persons engaged in 1981 represented 60 per cent of the total recorded in industry in the general census of that year. The statistical unit employed in the survey is the enterprise. However, in order to obtain more homogeneous industrial groupings, multi-unit enterprises with more than 250 persons engaged are required to provide separate data for each functional unit. The information set out in the tables is classified according to activities of the functional units of the enterprises obtained in this way.

The estimates are compiled by industrial groupings of the national classification, which are not fully convertible to ISIC. The following differences should be noted: peat cutting and digging (ISIC 290) is included in ISIC 210; extraction of pyrites (ISIC 290) in ISIC 230; manufacture of olive oil, margarine, compound cooking fats etc. (ISIC 311/2) in ISIC 351-352 combined; asbestos spinning and weaving (ISIC 369) in ISIC 321; made-up textile goods, except wearing apparel, (ISIC 321) in ISIC 322; repair of footwear (ISIC major division 9) in ISIC 324; industrial furnaces and ovens, cooking ranges and ovens, tanks, small arms, ordnance and artillery (ISIC 382) in ISIC 381; laboratory equipment (ISIC 385) in ISIC 381; invalid and baby carriages (ISIC 384) in ISIC 381; aircraft engines (ISIC 384) in ISIC 382; typewriters, calculators, cash registers and scales (ISIC 382) in ISIC 385; electric lamps and tubes (ISIC 383) in ISIC 390; jewellery and related articles (ISIC 390) in ISIC 385. The following activities are excluded: superficially treating and electro-galvanizing metals, repair of agricultural and other machinery, repair, painting and caulking of floating equipment, and repair of scientific and professional equipment.

The employment numbers are annual averages. Wages and salaries relate to the gross earnings of employees (before deduction of taxes and social insurance contributions payable by the employee) and include basic pay, cost-of-living allowances, overtime and vacation pay, bonuses and payments in kind. The estimates of supplements to wages and salaries represent employers' contributions to social security and provident funds etc.; outlays for social, cultural and recreational purposes are excluded.

The estimates of electricity consumption are compiled by the Ente Nazionale per la Energia Elettrica and cover all industrial enterprises. Consumption for lighting purposes is excluded.

The value of output is the sum of: (a) value of sales of products of the enterprise, (b) value of goods shipped in the same condition as received, (c) receipts for work done for others, (d) receipts for non-industrial services rendered, and (e) value of fixed assets produced for own use. Adjustments are made for changes in the value of work in progress and stocks of finished goods between the beginning and the end of the year. The valuation is net of indirect taxes; subsidies, however, are not taken into account. The value added is the difference between the value of output and the cost of the following inputs: materials and supplies purchased (adjusted for changes in stocks), goods shipped in the same condition as received and industrial work done by others. The estimates are gross of the cost of non-industrial services which is deducted in the national accounts concept. The estimates of gross fixed capital formation relate to the acquisition of new and used fixed assets, including investments of a social nature. Sales are not deducted. In the case of this inquiry, the coverage is extended to include new enterprises not yet in operation.

The indices of industrial production are compiled by the Central Institute of Statistics and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover all industrial establishments.

Related national publications:

Annuario Statistico Italiano; Annuario di Statistiche Industriali; Compendio Statistico Italiano (annual); Bolletino Mensile di Statistica; Conti Economici delle imprese con 20 eddetti e oltre, all published by the Central Institute of Statistics, Rome.

ITALY

ISIC	INDUSTRY	1. NUMBER OF ENTERPRISES a/b/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	...	...	...	-	-	...	...	...	210
220	Petroleum and gas	7	17	...	...	...	6	6	...	...	...	220
230	Metal ore mining	16	16	...	...	...	5	5	...	...	...	230
290	Other mining	335	332	...	...	...	17	16	...	...	...	290
2	Mining, quarrying .	358	365	...	...	...	28	27	...	...	...	2
311/2	Food products	1673	1640	...	...	...	148	150	...	...	...	311/2
313	Beverages	475	445	...	...	...	44	45	...	...	...	313
314	Tobacco	35	25	...	...	...	19	17	...	...	...	314
321	Textiles	3284	3297	...	...	...	227	230	...	...	...	321
3211	Spinning,weaving etc..	1672	1765	...	...	...	172	174	...	...	...	3211
322	Wearing apparel	2416	2423	...	...	...	160	173	...	...	...	322
323	Leather and products ...	542	544	...	...	...	28	29	...	...	...	323
324	Footwear	1600	1554	...	...	...	81	79	...	...	...	324
331	Wood products	1018	1020	...	...	...	40	40	...	...	...	331
332	Furniture, fixtures	1476	1408	...	...	...	68	68	...	...	...	332
341	Paper and products	670	672	...	...	...	60	60	...	...	...	341
3411	Pulp,paper etc.	163	160	...	...	...	26	26	...	...	...	3411
342	Printing,publishing	914	985	...	...	...	81	85	...	...	...	342
351	Industrial chemicals ...	c/ 1081	c/ 1082	...	...	...	d/ 208	d/ 212	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	c/	c/	...	...	...	d/	d/	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	55	58	...	...	...	[21	22]	...	...	...	353
354	Petroleum,coal products.	c/	c/	...	...	...			...	...	...	354
355	Rubber products	365	350	...	...	...	52	50	...	...	...	355
356	Plastic products n.e.c..	1171	1328	...	...	...	78	79	...	...	...	356
361	Pottery,china etc	[	]	...	...	...	[	]	...	...	...	361
362	Glass and products	2323	2180	...	...	...	165	166	...	...	...	362
369	Non-metal products n.e.c			...	...	...			...	...	...	369
371	Iron and steel	1020	1024	...	...	...	182	183	...	...	...	371
372	Non-ferrous metals	300	304	...	...	...	40	40	...	...	...	372
381	Metal products	2617	2620	...	...	...	170	172	...	...	...	381
382	Machinery n.e.c.	3870	3872	...	...	...	375	376	...	...	...	382
3825	Office,computing etc..	72	74	...	...	...	28	28	...	...	...	3825
383	Electrical machinery ...	1549	1554	...	...	...	274	272	...	...	...	383
3832	Radio,television etc..	258	261	...	...	...	75	74	...	...	...	3832
384	Transport equipment	726	730	...	...	...	310	309	...	...	...	384
3841	Shipbuilding, repair..	...	231	...	...	...	84	84	...	...	...	3841
3843	Motor vehicles	...	499	...	...	...	200	196	...	...	...	3843
385	Professional goods	295	298	...	...	...	27	30	...	...	...	385
390	Other industries	314	330	...	...	...	17	16	...	...	...	390
3	Manufacturing	29789	...	...	...	...	2875	2903	...	...	...	3
410	Electricity,gas,steam ..	149	155	...	...	...	150	150	...	...	...	410
4101	Electricity	55	54	...	...	...	127	127	...	...	...	4101
420	Water works and supply .	70	70	...	...	...	14	14	...	...	...	420
4	Electricity,gas etc	219	225	...	...	...	164	164	...	...	...	4
2-4	All industry	30366	30698	...	...	...	3067	3094	...	...	...	2-4

Note. For description of classification, see country note.

a/ Enterprises with 20 or more persons engaged.
b/ Number of functional units.
c/ Major groups 352 and 354 are included in 351.
d/ Major group 352 is included in 351.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/ (BILLION LIRE)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	...	...	...	-	-	...	...	...	210
220	Petroleum and gas	6	6	...	...	...	187	192	...	...	...	220
230	Metal ore mining	5	5	...	...	...	100	107	...	...	...	230
290	Other mining	17	16	...	...	...	286	309	...	...	...	290
2	Mining, quarrying .	28	27	...	...	...	573	608	...	...	...	2
311/2	Food products	145	149	...	...	...	3100	3463	...	...	...	311/2
313	Beverages	43	44	...	...	...	1039	1064	...	...	...	313
314	Tobacco	19	17	...	...	...	398	364	...	...	...	314
321	Textiles	225	229	...	...	...	3997	4331	...	...	...	321
3211	Spinning,weaving etc..	115	149	...	...	...	2020	2202	...	...	...	3211
322	Wearing apparel	158	162	...	...	...	2220	2519	...	...	...	322
323	Leather and products ...	28	29	...	...	...	439	519	...	...	...	323
324	Footwear	79	78	...	...	...	1335	1300	...	...	...	324
331	Wood products	38	39	...	...	...	675	680	...	...	...	331
332	Furniture, fixtures	66	67	...	...	...	1186	1207	...	...	...	332
341	Paper and products	58	60	...	...	...	1298	1398	...	...	...	341
3411	Pulp,paper etc.	24	26	...	...	...	594	655	...	...	...	3411
342	Printing,publishing	80	85	...	...	...	2214	2495	...	...	...	342
351	Industrial chemicals ... b/	208	211	...	...	...	5350	5931	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. b/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[21	22]	...	...	...	[550	598]	...	...	...	353
354	Petroleum,coal products.			...	...	...			...	...	...	354
355	Rubber products	50	49	...	...	...	1179	1140	...	...	...	355
356	Plastic products n.e.c..	76	77	...	...	...	1532	1768	...	...	...	356
361	Pottery,china etc	[	]	...	...	...	[	]	...	...	...	361
362	Glass and products	164	165	...	...	...	3111	3466	...	...	...	362
369	Non-metal products n.e.c			...	...	...			...	...	...	369
371	Iron and steel	182	183	...	...	...	3791	3835	...	...	...	371
372	Non-ferrous metals	39	39	...	...	...	777	877	...	...	...	372
381	Metal products	167	170	...	...	...	3132	3514	...	...	...	381
382	Machinery n.e.c.	373	375	...	...	...	5316	5747	...	...	...	382
3825	Office,computing etc..	26	26	...	...	...	667	779	...	...	...	3825
383	Electrical machinery ...	272	271	...	...	...	5408	6072	...	...	...	383
3832	Radio,television etc..	73	73	...	...	...	1147	1287	...	...	...	3832
384	Transport equipment	308	308	...	...	...	5600	6216	...	...	...	384
3841	Shipbuilding, repair..	84	84	...	...	...	1526	1693	...	...	...	3841
3843	Motor vehicles	199	195	...	...	...	...	...	...	...	...	3843
385	Professional goods	25	28	...	...	...	505	565	...	...	...	385
390	Other industries	16	16	...	...	...	240	277	...	...	...	390
3	Manufacturing	2840	2873	...	...	...	54392	59346	...	...	...	3
410	Electricity,gas,steam ..	150	150	...	...	...	4480	4858	...	...	...	410
4101	Electricity	127	127	...	...	...	3864	4192	...	...	...	4101
420	Water works and supply .	14	14	...	...	...	386	408	...	...	...	420
4	Electricity,gas etc	164	164	...	...	...	4866	5266	...	...	...	4
2-4	All industry	3032	3064	...	...	...	59831	65220	...	...	...	2-4

Note. For description of classification, see country note.

a/ Enterprises with 20 or more persons engaged.

b/ Major group 352 is included in 351.

ITALY

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES a/ (BILLION LIRE)					6. AVERAGE NUMBER OF OPERATIVES b/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	...	...	...	-	-	...	...	...	210
220	Petroleum and gas	73	77	...	...	...	3	3	...	...	...	220
230	Metal ore mining	42	43	...	...	...	4	4	...	...	...	230
290	Other mining	160	167	...	...	...	14	14	...	...	...	290
2	Mining, quarrying .	275	287	...	...	...	21	21	...	...	...	2
311/2	Food products	1335	1528	...	...	...	111	114	...	...	...	311/2
313	Beverages	328	479	...	...	...	24	26	...	...	...	313
314	Tobacco	44	54	...	...	...	16	14	...	...	...	314
321	Textiles	1743	1924	...	...	...	200	192	...	...	...	321
3211	Spinning,weaving etc..	874	960	...	...	...	100	100	...	...	...	3211
322	Wearing apparel	846	1030	...	...	...	140	140	...	...	...	322
323	Leather and products ...	167	231	...	...	...	23	25	...	...	...	323
324	Footwear	476	494	...	...	...	72	72	...	...	...	324
331	Wood products	292	303	...	...	...	32	32	...	...	...	331
332	Furniture, fixtures	532	574	...	...	...	55	54	...	...	...	332
341	Paper and products	556	643	...	...	...	46	47	...	...	...	341
3411	Pulp,paper etc.	272	315	...	...	...	20	20	...	...	...	3411
342	Printing,publishing	972	1177	...	...	...	46	48	...	...	...	342
351	Industrial chemicals ... c/	2150	2525	...	...	...	111	110	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[238	250]	...	...	...	[11	10]	...	...	...	353
354	Petroleum,coal products.			...	...	...			...	...	...	354
355	Rubber products	472	507	...	...	...	41	40	...	...	...	355
356	Plastic products n.e.c..	626	802	...	...	...	61	65	...	...	...	356
361	Pottery,china etc	[	]	...	...	...	[	]	...	...	...	361
362	Glass and products	1424	1621	...	...	...	131	133	...	...	...	362
369	Non-metal products n.e.c	]		...	...	...	]		...	...	...	369
371	Iron and steel	1689	1906	...	...	...	137	139	...	...	...	371
372	Non-ferrous metals	364	396	...	...	...	29	29	...	...	...	372
381	Metal products	1325	1462	...	...	...	98	100	...	...	...	381
382	Machinery n.e.c.	2392	2442	...	...	...	219	245	...	...	...	382
3825	Office,computing etc..	303	366	...	...	...	16	18	...	...	...	3825
383	Electrical machinery ...	2183	2608	...	...	...	166	166	...	...	...	383
3832	Radio,television etc..	470	666	...	...	...	47	47	...	...	...	3832
384	Transport equipment	2475	2735	...	...	...	230	221	...	...	...	384
3841	Shipbuilding, repair..	675	746	...	...	...	70	65	...	...	...	3841
3843	Motor vehicles	942	1040	...	...	...	160	151	...	...	...	3843
385	Professional goods	206	255	...	...	...	16	18	...	...	...	385
390	Other industries	95	124	...	...	...	10	12	...	...	...	390
3	Manufacturing	22930	26070	...	...	...	2025	2052	...	...	...	3
410	Electricity,gas,steam ..	2372	2584	...	...	...	77	76	...	...	...	410
4101	Electricity	2081	2259	...	...	...	67	65	...	...	...	4101
420	Water works and supply .	170	181	...	...	...	7	6	...	...	...	420
4	Electricity,gas etc	2542	2765	...	...	...	84	82	...	...	...	4
2-4	All industry	25747	29122	...	...	...	2130	2155	...	...	...	2-4

Note. For description of classification, see country note.

a/ Enterprises with 20 or more persons engaged.
b/ Enterprises with 50 or more persons engaged.
c/ Major group 352 is included in 351.

ISIC	INDUSTRY	7. WAGES AND SALARIES OF OPERATIVES a/ (BILLION LIRE)					8. HOURS WORKED BY OPERATIVES b/ (MILLIONS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	...	...	...	-	-	...	...	...	210
220	Petroleum and gas	71	78	...	...	...	6	4	...	...	...	220
230	Metal ore mining	57	58	...	...	...	6	4	...	...	...	230
290	Other mining	182	184	...	...	...	26	26	...	...	...	290
2	Mining, quarrying .	310	320	...	...	...	38	34	...	...	...	2
311/2	Food products	2095	2325	...	...	...	186	192	...	...	...	311/2
313	Beverages	507	549	...	...	...	51	53	...	...	...	313
314	Tobacco	277	277	...	...	...	24	22	...	...	...	314
321	Textiles	2960	3236	...	...	...	292	309	...	...	...	321
3211	Spinning,weaving etc..	1500	1640	...	...	...	145	153	...	...	...	3211
322	Wearing apparel	1710	1951	...	...	...	224	218	...	...	...	322
323	Leather and products ...	322	371	...	...	...	34	41	...	...	...	323
324	Footwear	957	1005	...	...	...	109	109	...	...	...	324
331	Wood products	496	523	...	...	...	58	54	...	...	...	331
332	Furniture, fixtures	867	931	...	...	...	92	93	...	...	...	332
341	Paper and products	905	1008	...	...	...	76	81	...	...	...	341
3411	Pulp,paper etc.	422	468	...	...	...	33	35	...	...	...	3411
342	Printing,publishing	812	1172	...	...	...	90	87	...	...	...	342
351	Industrial chemicals ... c/	2277	2448	...	...	...	206	182	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[254	253]	...	...	...	[20	18]	...	...	...	353
354	Petroleum,coal products.			...	...	...			...	...	...	354
355	Rubber products	766	800	...	...	...	62	62	...	...	...	355
356	Plastic products n.e.c..	1089	1232	...	...	...	102	110	...	...	...	356
361	Pottery,china etc	[	]	...	...	...	[	]	...	...	...	361
362	Glass and products	2265	2515	...	...	...	213	219	...	...	...	362
369	Non-metal products n.e.c			...	...	...			...	...	...	369
371	Iron and steel	2720	2751	...	...	...	238	240	...	...	...	371
372	Non-ferrous metals	551	604	...	...	...	49	48	...	...	...	372
381	Metal products	1586	1732	...	...	...	207	209	...	...	...	381
382	Machinery n.e.c.	4484	4747	...	...	...	402	395	...	...	...	382
3825	Office,computing etc..	348	407	...	...	...	30	30	...	...	...	3825
383	Electrical machinery ...	2866	3161	...	...	...	253	258	...	...	...	383
3832	Radio,television etc..	680	714	...	...	...	70	70	...	...	...	3832
384	Transport equipment	4169	4626	...	...	...	366	349	...	...	...	384
3841	Shipbuilding, repair..	1266	...	...	...	...	111	...	...	...	...	3841
3843	Motor vehicles	2900	2969	...	...	...	254	233	...	...	...	3843
385	Professional goods	252	312	...	...	...	30	30	...	...	...	385
390	Other industries	138	198	...	...	...	20	20	...	...	...	390
3	Manufacturing	35325	38727	...	...	...	3404	3399	...	...	...	3
410	Electricity,gas,steam ..	2131	2254	...	...	...	132	128	...	...	...	410
4101	Electricity	1851	1960	...	...	...	114	110	...	...	...	4101
420	Water works and supply .	175	180	...	...	...	12	12	...	...	...	420
4	Electricity,gas etc	2306	2434	...	...	...	144	140	...	...	...	4
2-4	All industry	37941	41481	...	...	...	3586	3573	...	...	...	2-4

Note. For description of classification, see country note.

a/ Enterprises with 50 or more persons engaged.
b/ Enterprises with 20 or more persons engaged.
c/ Major group 352 is included in 351.

ITALY

ISIC	INDUSTRY	9. OUTPUT a/b/ (BILLION LIRE)					10. VALUE ADDED a/b/ (BILLION LIRE)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	...	...	...	-	-	...	...	...	210
220	Petroleum and gas	3422	3480	...	...	...	2300	2400	...	...	...	220
230	Metal ore mining	361	363	...	...	...	187	190	...	...	...	230
290	Other mining	1419	1493	...	...	...	600	616	...	...	...	290
2	Mining, quarrying	5202	5336	...	...	...	3087	3206	...	...	...	2
311/2	Food products	43882	47260	...	...	...	7450	8120	...	...	...	311/2
313	Beverages	6522	6556	...	...	...	2714	3168	...	...	...	313
314	Tobacco	2379	2628	...	...	...	478	778	...	...	...	314
321	Textiles	30963	32443	...	...	...	9800	10961	...	...	...	321
3211	Spinning,weaving etc.	14167	14844	...	...	...	8265	8400	...	...	...	3211
322	Wearing apparel	14000	16184	...	...	...	4618	5397	...	...	...	322
323	Leather and products	4967	5822	...	...	...	1015	1399	...	...	...	323
324	Footwear	7705	7571	...	...	...	2324	2430	...	...	...	324
331	Wood products	4930	6635	...	...	...	1502	1627	...	...	...	331
332	Furniture, fixtures	7367	8471	...	...	...	2534	2724	...	...	...	332
341	Paper and products	10853	12084	...	...	...	3505	3709	...	...	...	341
3411	Pulp,paper etc.	5141	5741	...	...	...	1641	1773	...	...	...	3411
342	Printing,publishing	10630	13385	...	...	...	4829	5592	...	...	...	342
351	Industrial chemicals c/	46807	49443	...	...	...	13816	15600	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries	[24400	24000]	...	...	...	[2210	1963]	...	...	...	353
354	Petroleum,coal products.			...	...	...			...	...	...	354
355	Rubber products	6296	6020	...	...	...	2438	2428	...	...	...	355
356	Plastic products n.e.c.	11707	13663	...	...	...	3918	4613	...	...	...	356
361	Pottery,china etc	[	]	...	...	...	[	]	...	...	...	361
362	Glass and products	[19530	22485]	...	...	...	[8205	9558]	...	...	...	362
369	Non-metal products n.e.c			...	...	...			...	...	...	369
371	Iron and steel	29882	30673	...	...	...	7466	7739	...	...	...	371
372	Non-ferrous metals	7441	7600	...	...	...	1713	2013	...	...	...	372
381	Metal products	17319	17924	...	...	...	6618	7798	...	...	...	381
382	Machinery n.e.c.	30660	32600	...	...	...	16930	18030	...	...	...	382
3825	Office,computing etc.	5727	5833	...	...	...	1792	1860	...	...	...	3825
383	Electrical machinery	31548	36142	...	...	...	11880	13490	...	...	...	383
3832	Radio,television etc.	7571	7904	...	...	...	3456	3712	...	...	...	3832
384	Transport equipment	38861	39900	...	...	...	13066	14598	...	...	...	384
3841	Shipbuilding, repair.	9716	10122	...	...	...	4394	...	...	...	...	3841
3843	Motor vehicles	29145	29000	...	...	...	8552	9912	...	...	...	3843
385	Professional goods	5696	5801	...	...	...	1315	1306	...	...	...	385
390	Other industries	2604	2774	...	...	...	541	610	...	...	...	390
3	Manufacturing	416949	448064	...	...	...	130885	145651	...	...	...	3
410	Electricity,gas,steam	36504	39267	...	...	...	15660	18454	...	...	...	410
4101	Electricity	24640	27404	...	...	...	13426	15247	...	...	...	4101
420	Water works and supply	1513	1525	...	...	...	689	689	...	...	...	420
4	Electricity,gas etc	38017	40792	...	...	...	16349	19143	...	...	...	4
2-4	All industry	460168	494192	...	...	...	150821	168000	...	...	...	2-4

Note. For description of classification, see country note.

a/ Enterprises with 20 or more persons engaged.
b/ Net of indirect taxes and subsidies. For detail, see country note
c/ Major group 352 is included in 351.

ISIC	INDUSTRY	11. GROSS FIXED CAPITAL FORMATION TOTAL a/b/ (BILLION LIRE)					12. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/b/ (BILLION LIRE)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	...	...	...	-	-	...	...	...	210
220	Petroleum and gas	883	1088	...	...	...	123	170	...	...	...	220
230	Metal ore mining	55	35	...	...	...	131	144	...	...	...	230
290	Other mining	154	211	...	...	...	119	149	...	...	...	290
2	Mining, quarrying .	1092	1334	...	...	...	373	463	...	...	...	2
311/2	Food products	1422	1840	...	...	...	1100	1428	...	...	...	311/2
313	Beverages	530	553	...	...	...	295	300	...	...	...	313
314	Tobacco	64	97	...	...	...	47	67	...	...	...	314
321	Textiles	1510	1949	...	...	...	1160	1568	...	...	...	321
3211	Spinning,weaving etc..	1219	1278	...	...	...	930	942	...	...	...	3211
322	Wearing apparel	288	417	...	...	...	177	274	...	...	...	322
323	Leather and products ...	126	154	...	...	...	84	110	...	...	...	323
324	Footwear	161	208	...	...	...	95	153	...	...	...	324
331	Wood products	254	301	...	...	...	198	233	...	...	...	331
332	Furniture, fixtures	240	310	...	...	...	143	209	...	...	...	332
341	Paper and products	637	918	...	...	...	485	786	...	...	...	341
3411	Pulp,paper etc.	269	509	...	...	...	316	447	...	...	...	3411
342	Printing,publishing	647	811	...	...	...	429	655	...	...	...	342
351	Industrial chemicals ... c/	2044	2674	...	...	...	1631	2232	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[646	604]	...	...	...	[391	398]	...	...	...	353
354	Petroleum,coal products.			...	...	...			...	...	...	354
355	Rubber products	359	455	...	...	...	202	371	...	...	...	355
356	Plastic products n.e.c..	619	201	...	...	...	474	719	...	...	...	356
361	Pottery,china etc	[	]	...	...	...	[	]	...	...	...	361
362	Glass and products	1328	2020	...	...	...	964	1711	...	...	...	362
369	Non-metal products n.e.c	]	]	...	...	...	]	]	...	...	...	369
371	Iron and steel	2170	1754	...	...	...	1583	1469	...	...	...	371
372	Non-ferrous metals	220	436	...	...	...	172	367	...	...	...	372
381	Metal products	990	1174	...	...	...	734	870	...	...	...	381
382	Machinery n.e.c.	1379	2476	...	...	...	1093	2019	...	...	...	382
3825	Office,computing etc..	230	267	...	...	...	121	140	...	...	...	3825
383	Electrical machinery ...	1631	2078	...	...	...	991	1265	...	...	...	383
3832	Radio,television etc..	260	274	...	...	...	196	211	...	...	...	3832
384	Transport equipment	1962	3107	...	...	...	1672	2648	...	...	...	384
3841	Shipbuilding, repair..	330	...	...	...	...	274	...	...	...	...	3841
3843	Motor vehicles	1561	1710	...	...	...	1389	1516	...	...	...	3843
385	Professional goods	169	145	...	...	...	120	112	...	...	...	385
390	Other industries	76	69	...	...	...	52	54	...	...	...	390
3	Manufacturing	19472	24751	...	...	...	14292	20018	...	...	...	3
410	Electricity,gas,steam ..	8483	8847	...	...	...	3356	3637	...	...	...	410
4101	Electricity	6950	7230	...	...	...	3073	3311	...	...	...	4101
420	Water works and supply .	372	243	...	...	...	63	48	...	...	...	420
4	Electricity,gas etc	8855	9090	...	...	...	3419	3685	...	...	...	4
2-4	All industry	29419	35175	...	...	...	18084	24166	...	...	...	2-4

Note. For description of classification, see country note.

a/ Enterprises with 20 or more persons engaged. b/ The value of sales is not deducted.
c/ Major group 352 is included in 351.

ITALY

13. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	99	90	94	89	73	77	75	70	70	-4.4	210
220	Petroleum and gas	113	107	113	115	127	147	160	158	161	6.1	220
230	Metal ore mining	59	61	58	45	28	33	38	40	39	-11.1	230
290	Other mining	98	99	100	103	98	102	113	114	116	1.9	290
2	Mining, quarrying .	98	97	99	100	105	118	130	128	130	3.3	2
311/2	Food products	[101	102	101	105	109	115	120	120	122	2.5]	311/2
313	Beverages											313
314	Tobacco	110	112	109	107	103	96	92	92	84	-2.2	314
321	Textiles	98	89	96	97	101	105	106	112	110	1.2	321
3211	Spinning,weaving etc..	96	89	95	95	96	101	100	105	101	0.1	3211
322	Wearing apparel	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	107	105	112	116	110	107	107	103	104	0.5	323
324	Footwear	104	96	90	86	84	77	74	72	74	-3.7	324
331	Wood products	96	89	95	81	79	85	94	94	90	-1.3	331
332	Furniture, fixtures	84	79	83	87	94	102	110	116	120	2.3	332
341	Paper and products	96	95	104	100	103	109	114	117	119	2.2	341
3411	Pulp,paper etc.	93	87	102	98	101	106	115	117	118	2.1	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	83	85	94	95	96	101	105	104	102	0.2	351
3511	Basic excl fertilizers	78	78	82	84	88	96	101	101	96	-0.5	3511
3513	Synthetic resins etc .	92	100	106	107	109	111	117	119	120	2.3	3513
352	Other chemical products.	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	122	125	135	146	147	150	171	183	203	9.3	3522
353	Petroleum refineries ...	[91	84	81	78	86	84	84	86	92	-1.0]	353
354	Petroleum,coal products.											354
355	Rubber products	88	83	90	97	102	103	125	126	119	2.2	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	[										361
362	Glass and products	90	86	90	87	87	89	96	102	106	0.7	362
369	Non-metal products n.e.c										]	369
371	Iron and steel	91	85	92	92	89	92	100	104	100	0.0	371
372	Non-ferrous metals	90	88	92	98	107	110	123	127	122	2.5	372
381	Metal products	...	...	...	...	...	...	...	...	...	...	381
382	Machinery n.e.c.	89	86	88	98	103	105	113	119	119	2.2	382
3825	Office,computing etc..	124	152	160	265	282	302	363	337	368	17.7	3825
383	Electrical machinery ...	103	104	108	109	113	122	124	130	130	3.3	383
3832	Radio,television etc..	106	110	119	118	118	130	134	143	146	4.8	3832
384	Transport equipment	99	103	102	100	122	120	137	140	142	4.5	384
3841	Shipbuilding, repair..	91	71	52	35	105	86	96	81	100	0.0	3841
3843	Motor vehicles	88	92	91	91	101	105	119	125	122	2.5	3843
385	Professional goods	72	64	78	91	94	99	112	116	92	-1.0	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	95	92	95	96	100	103	109	113	112	1.4	3
410	Electricity,gas,steam ..	99	98	101	104	108	115	117	122	127	3.0	410
4101	Electricity	99	98	100	103	107	113	116	121	125	2.8	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	95	92	95	97	100	104	110	114	114	1.7	2-4

a/ Annual growth rate 1982-1990.

JAMAICA

The information in the tables is derived from official publications of the Department of Statistics, Kingston. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The numbers of establishments and employees relate to registered factories and are derived from the Factories Inspectorate, Ministry of Labour and Employment. The data on wages and salaries and value added are compiled by the Department of Statistics from national accounts statistics and relate to total industry as defined by the national accounts calculations.

The data are classified according to the national classification system, which is generally comparable with the present version of ISIC. However, it should be noted that, in the tables relating to numbers of establishments and employees, repair services for the general public (ISIC major division 9) are included in manufacturing according to the type of product repaired.

The number of employees refers to persons employed at 31 December of the year under review. Wages and salaries relate to all payments, in cash and in kind, made to employees in respect of their work before deductions of income tax and contributions to social security, national housing trust etc. Employers' contributions paid or imputed, in respect of their employees, to social security, private pensions, family allowance, casualty insurance, life insurance and similar schemes are also included.

Related national publications:

Statistical Abstract (annual); Statistical Yearbook (annual); National Income and Product (annual), all published by the Department of Statistics, Kingston.

JAMAICA

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF EMPLOYEES (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	*1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	2	...	3	4	...	94	96	...	148	141	290
2	Mining, quarrying .	6	...	7	7	...	a/ 94	a/ 96	...	a/ 148	a/ 141	2
311/2	Food products	185	...	189	190	...	18219	17906	...	22676	24989	311/2
313	Beverages	12	...	18	19	...	2414	2713	...	3322	3228	313
314	Tobacco	6	...	6	6	...	1577	1386	...	777	811	314
321	Textiles	24	...	25	25	...	1105	906	...	673	813	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	123	...	123	123	...	9258	11018	...	13015	13153	322
323	Leather and products ...	15	...	15	15	...	698	726	...	554	594	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	22	...	22	22	...	280	385	...	371	585	331
332	Furniture, fixtures	62	...	62	62	...	1827	1892	...	2259	2105	332
341	Paper and products	25	...	25	25	...	1092	1141	...	1392	1351	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	48	...	48	48	...	1682	1832	...	2135	2120	342
351	Industrial chemicals ...	...	...	...	...	...	490	521	...	754	828	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	47	...	47	14	...	2766	2854	...	3202	2990	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	11	...	11	11	...	697	656	...	627	740	355
356	Plastic products n.e.c..	17	...	17	17	...	1333	1403	...	1528	1559	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	47	...	47	47	...	1981	2172	...	2835	1673	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	108	...	108	108	...	4210	4183	...	4116	4077	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	a/ 752	...	a/ 763	a/ 732	...	49629	51694	...	60236	61616	3
410	Electricity,gas,steam ..	3	...	3	3	...	1735	1710	...	1627	1648	410
4101	Electricity	2	...	2	2	...	...	...	...	...	...	4101
420	Water works and supply .	1	...	1	1	...	3281	3462	...	3887	3636	420
4	Electricity,gas etc a/	4	...	4	4	...	5016	5172	...	5514	5284	4
2-4	All industry a/	762	...	774	743	...	54739	56962	...	65898	67041	2-4

a/ Estimated as sum of the given parts.

JAPAN

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Statistical Standards Department, Statistics Bureau, Management and Coordination Agency, Tokyo. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates are derived from the Japan mining survey, the current survey of production, the census of manufactures, the current survey of production in gas utility industry, all of which are undertaken by the Ministry of International Trade and Industry, and periodical returns on electricity. The mining survey covers all private establishments engaged in mining activities other than salt mining, stone quarrying for construction use and sand pit operations. The census of manufactures is carried out annually on a complete enumeration basis, covering all private establishments with 4 or more persons engaged. A separate schedule is used and certain items of data are not collected for the smaller establishments, defined as establishments with fewer than 30 persons engaged. The estimates in the tables refer to all establishments unless otherwise footnoted. For electricity, the estimates in the tables relate to 10 large electric power enterprises only, but these produce approximately 90 per cent of the total electricity for public supply. The gas survey covers all licensed enterprises engaged in gas manufacture and distribution. Steam and hot water supply are not surveyed. The estimates cover selected items for water works and supply; the data shown for this industry refer to the collection and purification of water and its diversion to industrial channels (under the direction of the Ministry of Health and Welfare), and exclude industrial distribution (under the direction of the Ministry of International Trade and Industry).

The estimates, which are based on the national classification scheme, have generally been adjusted as far as possible to the present version of ISIC. It should be noted that the estimates for mining, as stated in the preceding paragraph, exclude certain activities owing to the scope of the inquiry. Also, pyrites mining (ISIC 290) is included in ISIC 230. The figures shown for manufacture of motor vehicles, ISIC 3843, include three-wheeled vehicles and motorcycles (ISIC 3844).

The statistical unit is the establishment, defined as a physical location where chiefly mining, manufacturing or processing activities are carried on. Establishments are classified by their principal activity. The figures shown are the numbers at 31 December of the reference year.

The employment figures generally relate to the numbers at the end of the reference period. Persons engaged comprise employees, working proprietors, unpaid family workers and, in the case of mining, contract workers. Apprentices are included in the estimates of employees, as are temporary workers if the time worked meets minimum requirements. Other temporary or daily workers are not counted, although the remuneration of these workers is included in wages and salaries of employees.

Wages and salaries relate to total cash payments during the year, including basic wages, bonuses and other premiums and allowances. Payments to contract workers are included for mining. For manufacturing, the estimates for employees include retirement and termination allowances; these payments are not included in the data for operatives.

The estimates of electricity consumed are derived from the Survey of Oil Consumption in Commerce, Mining and Manufacturing, which is compiled by the Research and Statistics Department of the Ministry of International Trade and Industry. The estimates for manufacturing cover establishments with 30 or more persons engaged.

The estimates of output, in the case of mining, represent the value of production and other receipts and, in the case of manufacturing, the value of shipments of finished products (adjusted for changes in stocks of finished goods and work in progress), including shipments to other establishments of the same enterprise; receipts for contract and repair and maintenance work; shipments of scrap and salable waste and other receipts (for cold storage, installation work, advertising, sale of power etc.). The value of goods shipped in the same condition as received is not included. The valuation for mining is at mine prices, excluding indirect taxes and subsidies. Estimates for manufacturing also exclude subsidies but indirect taxes are included. Value added is the difference between output and the cost of materials and fuels consumed, electricity purchased and, for manufacturing, contract work and indirect taxes.

The estimates of gross fixed capital formation for manufacturing relate to the value of acquisitions of new and used fixed assets, adjusted by increases or decreases in construction accounts and decreased by the value of assets liquidated. The estimates for machinery and equipment relate to the value of acquisitions of new machinery and equipment only. For electricity, the estimates are calculated by deducting the value at the end of the previous year from the value at the end of the year surveyed; increases in construction accounts are included.

The indices of industrial production are compiled by the Ministry of International Trade and Industry and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover all privately owned establishments, irrespective of size.

Related national publications:

Honpo Kogyo no Susei (Mining Yearbook of Japan) (annual) (in Japanese only); Census of Manufactures (annual); Summary of Electric Power Industry (annual) (in Japanese only); Report of Electric Industry (annual) (in Japanese only); Yearbook of Gas Industry (in Japanese only), all published by the Ministry of International Trade and Industry, Tokyo. Japan Statistical Yearbook; Monthly Statistics of Japan, both published by the Statistics Bureau, Management and Coordination Agency, Tokyo.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/c/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED b/c/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	30	30	29	...	...	21	16	12	...	...	210
220	Petroleum and gas	55	56	64	...	...	3	2	3	...	...	220
230	Metal ore mining	37	27	27	...	...	4	2	2	...	...	230
290	Other mining	729	674	660	...	...	14	13	12	...	...	290
2	Mining, quarrying .	851	787	780	...	...	41	34	29	...	...	2
311/2	Food products	48398	47104	48232	46067	...	1098	1107	1126	1127	...	311/2
313	Beverages	3701	3619	3802	3601	...	74	75	75	73	...	313
314	Tobacco	46	46	42	40	...	16	15	13	12	...	314
321	Textiles	43442	41665	41772	39976	...	689	671	661	645	...	321
3211	Spinning,weaving etc..	21695	20328	19737	18794	...	358	340	328	315	...	3211
322	Wearing apparel	24686	23916	24787	24078	...	476	476	484	486	...	322
323	Leather and products ...	4251	4142	4066	4022	...	46	45	44	44	...	323
324	Footwear	1745	1719	1742	1782	...	33	32	33	33	..	324
331	Wood products	28297	27385	27840	26422	...	361	310	311	303	...	331
332	Furniture, fixtures	11134	10826	11119	10914	...	164	165	168	167	...	332
341	Paper and products	10323	10023	10228	9888	...	251	252	254	256	...	341
3411	Pulp,paper etc.	724	726	698	673	...	66	68	66	66	...	3411
342	Printing,publishing	31064	29784	31650	29945	...	552	547	565	564	...	342
351	Industrial chemicals ...	1904	1875	1840	1821	...	185	180	176	177	...	351
3511	Basic excl fertilizers	1347	1309	1273	1259	...	96	91	90	89	...	3511
3513	Synthetic resins etc .	249	252	262	256	...	73	74	71	74	...	3513
352	Other chemical products.	3559	3511	3523	3485	...	211	211	214	216	...	352
3522	Drugs and medicines ..	1183	1176	1165	1147	...	99	98	99	97	...	3522
353	Petroleum refineries ...	191	183	192	184	...	23	22	21	21	...	353
354	Petroleum,coal products.	872	857	869	871	...	14	12	12	12	...	354
355	Rubber products	4169	4042	4130	4037	...	145	145	147	147	...	355
356	Plastic products n.e.c..	20554	20058	21181	20692	...	420	422	438	446	...	356
361	Pottery,china etc	3988	3861	3861	3800	...	74	72	72	71	...	361
362	Glass and products	1378	1339	1368	1366	...	66	66	67	68	...	362
369	Non-metal products n.e.c	15593	15207	15555	15241	...	317	312	313	314	...	369
371	Iron and steel	6480	6160	6282	6134	...	369	349	338	336	...	371
372	Non-ferrous metals	3522	3436	3556	3454	...	117	116	117	119	...	372
381	Metal products	50728	48878	52561	50187	...	828	823	862	864	...	381
382	Machinery n.e.c.	46482	44771	48202	46990	...	1294	1258	1305	1338	...	382
3825	Office,computing etc..	4511	4420	4670	4624	...	261	264	265	275	...	3825
383	Electrical machinery ...	34034	32845	34155	33547	...	1769	1740	1787	1808	...	383
3832	Radio,television etc..	15976	15218	15555	15334	...	1031	993	1022	1028	...	3832
384	Transport equipment	14685	14016	14732	14217	...	905	887	878	895	...	384
3841	Shipbuilding, repair..	2439	2242	2277	2137	...	87	79	71	72	...	3841
3843	Motor vehicles ..... d/	10560	10124	10704	10437	...	753	742	742	760	...	3843
385	Professional goods	6448	6053	6220	5879	...	226	214	214	208	...	385
390	Other industries	14335	13483	14067	13136	...	219	213	215	212	...	390
3	Manufacturing	436009	420804	437574	421776	...	10942	10738	10911	10962	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity ..... e/	10	10	10	10	...	144 f/	143 f/	144 f/	143 f/	...	4101
420	Water works and supply . e/	17414	17268	17131	16979	...	81	81	80	80	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Electricity and gas: number of enterprises.
b/ Except for major group 314, at the end of the reference period.
c/ Manufacturing: establishments with 4 or more persons engaged. d/ Including three-wheeled vehicles and motorcycles.
e/ Twelve months beginning 1 April of the year indicated. f/ Number of employees.

JAPAN

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/c/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES b/c/ (BILLION YEN)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	123	92	66	...	...	210
220	Petroleum and gas	...	...	...	...	...	13	13	12	...	...	220
230	Metal ore mining	...	...	...	...	...	28	13	11	...	...	230
290	Other mining	...	...	...	...	...	51	49	48	...	...	290
2	Mining, quarrying .	...	...	...	...	...	215	167	138	...	...	2
311/2	Food products	1066	1078	1096	1101	...	2667	2751	2874	2959	...	311/2
313	Beverages	73	73	73	72	...	241	250	257	263	...	313
314	Tobacco	16	15	13	12	...	86	83	77	82	...	314
321	Textiles	654	639	629	616	...	1604	1596	1619	1657	...	321
3211	Spinning,weaving etc..	339	322	311	300	...	927	962	901	907	...	3211
322	Wearing apparel	459	460	467	471	...	762	784	818	859	...	322
323	Leather and products ...	42	41	40	40	...	103	104	106	114	...	323
324	Footwear	31	31	32	32	...	80	80	87	92	...	324
331	Wood products	297	293	293	287	...	770	783	820	840	...	331
332	Furniture, fixtures	157	158	161	161	...	422	435	466	491	...	332
341	Paper and products	247	248	250	252	...	862	885	924	977	...	341
3411	Pulp,paper etc.	66	67	66	66	...	298	308	318	332	...	3411
342	Printing,publishing	541	538	555	555	...	2217	2238	2392	2520	...	342
351	Industrial chemicals ...	185	180	176	177	...	899	912	926	969	...	351
3511	Basic excl fertilizers	96	91	90	89	...	476	462	476	495	...	3511
3513	Synthetic resins etc .	73	74	71	74	...	353	378	383	410	...	3513
352	Other chemical products.	210	211	214	216	...	929	961	1020	1062	...	352
3522	Drugs and medicines ..	98	98	98	97	...	432	452	469	482	...	3522
353	Petroleum refineries ...	23	22	21	21	...	140	136	137	142	...	353
354	Petroleum,coal products.	14	12	12	12	...	55	49	51	52	...	354
355	Rubber products	143	144	145	146	...	504	514	543	567	...	355
356	Plastic products n.e.c..	409	412	427	436	...	1250	1293	1375	1459	...	356
361	Pottery,china etc	70	69	68	67	...	188	189	199	206	...	361
362	Glass and products	65	65	67	68	...	259	259	273	286	...	362
369	Non-metal products n.e.c	311	307	308	310	...	1037	1049	1088	1145	...	369
371	Iron and steel	367	348	337	335	...	1755	1718	1759	1840	...	371
372	Non-ferrous metals	116	115	116	118	...	474	477	494	530	...	372
381	Metal products	805	802	839	845	...	2767	2753	2993	3188	...	381
382	Machinery n.e.c.	1277	1245	1290	1326	...	5040	4919	5317	5696	...	382
3825	Office,computing etc..	259	263	264	273	...	877	904	939	1018	...	3825
383	Electrical machinery ...	1758	1729	1776	1798	...	5506	5535	5899	6354	...	383
3832	Radio,television etc..	1026	988	1018	1024	...	3048	2993	3218	3473	...	3832
384	Transport equipment	898	881	871	890	...	3828	3789	3841	4127	...	384
3841	Shipbuilding, repair..	86	78	70	71	...	418	371	296	321	...	3841
3843	Motor vehicles ..... d/	748	738	738	757	...	3145	3142	3270	3520	...	3843
385	Professional goods	224	212	211	206	...	729	706	739	752	...	385
390	Other industries	212	206	208	206	...	604	621	644	673	...	390
3	Manufacturing	10669	10533	10696	10776	...	35777	35868	37737	39903	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity ..... e/	139	139	139	...	...	1116	1178	1204	...	...	4101
420	Water works and supply . e/	81	81	80	80	...	414	425	439	462	...	420
4	Electricity,gas etc:	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Except for major group 314, at the end of the reference period.
b/ Excluding payments in kind.
c/ Manufacturing: establishments with 4 or more persons engaged.
d/ Including three-wheeled vehicles and motorcycles.
e/ Twelve months beginning 1 April of the year indicated.

ISIC	INDUSTRY	5. QUANTITY OF ELECTRICITY CONSUMED (BILLION KWH)					6. OUTPUT a/b/ (BILLION YEN)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	1.39	1.22	1.02	...	...	264	207	173	...	...	210
220	Petroleum and gas	...	...	...	...	...	110	100	95	...	...	220
230	Metal ore mining	...	...	...	...	...	51	39	34	...	...	230
290	Other mining	...	...	...	...	...	197	191	202	...	...	290
2	Mining, quarrying .	2.94	2.66	2.58	...	...	621	537	504	...	...	2
311/2	Food products	8.38	8.89	10.38	...	...	23450	23268	24004	24944	...	311/2
313	Beverages	...	...	...	...	...	4289	4391	4662	4561	...	313
314	Tobacco	...	...	...	...	...	1978	2006	1938	2381	...	314
321	Textiles	6.08	6.40	7.00	...	...	8761	8655	8899	9080	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	4780	4600	4715	4727	...	3211
322	Wearing apparel	...	...	...	...	...	2790	2850	2956	3115	...	322
323	Leather and products ...	...	...	...	...	...	635	617	634	670	...	323
324	Footwear	...	...	...	...	...	433	438	458	492	...	324
331	Wood products	...	...	...	...	...	4300	4518	4750	4953	...	331
332	Furniture, fixtures	...	...	...	...	...	2111	2226	2456	2658	...	332
341	Paper and products	24.35	25.62	28.12	...	...	6744	6912	7348	7951	...	341
3411	Pulp,paper etc.	...	...	...	...	...	2891	3016	3184	3504	...	3411
342	Printing,publishing	...	...	...	...	...	9962	10306	11159	12161	...	342
351	Industrial chemicals ...	...	...	...	...	...	10119	9868	10533	11429	...	351
3511	Basic excl fertilizers	...	...	...	...	...	5184	4879	5199	5558	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	4094	4192	4602	5149	...	3513
352	Other chemical products.	...	...	...	...	...	8971	9506	10050	10876	...	352
3522	Drugs and medicines ..	...	...	...	...	...	3974	4370	4646	5030	...	3522
353	Petroleum refineries ...	...	...	...	...	...	7139	6173	5831	6307	...	353
354	Petroleum,coal products.	...	...	...	...	...	914	711	696	740	...	354
355	Rubber products	2.73	2.92	3.18	...	...	2686	2727	2929	3041	...	355
356	Plastic products n.e.c..	...	...	...	...	...	8391	8545	9261	10112	...	356
361	Pottery,china etc	...	...	...	...	...	676	674	724	747	...	361
362	Glass and products	...	...	...	...	...	1672	1694	1902	2059	...	362
369	Non-metal products n.e.c	...	...	...	...	...	6321	6399	6897	7284	...	369
371	Iron and steel	65.76	68.03	71.95	...	...	14540	13740	15651	17283	...	371
372	Non-ferrous metals	13.55	12.60	13.23	...	...	3957	3924	4096	5296	...	372
381	Metal products	...	...	...	...	...	14273	14573	16485	18114	...	381
382	Machinery n.e.c.	...	...	...	...	...	28852	28523	33503	38371	...	382
3825	Office,computing etc..	...	...	...	...	...	7838	8583	9471	10845	...	3825
383	Electrical machinery ...	15.31	16.94	19.13	...	...	37645	37664	42286	45894	...	383
3832	Radio,television etc..	...	...	...	...	...	22508	21923	25047	26996	...	3832
384	Transport equipment	17.12	18.28	20.26	...	...	34693	34754	37203	41685	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	1976	1628	1536	1847	...	3841
3843	Motor vehicles ..... c/	...	...	...	...	...	31345	31688	34127	38182	...	3843
385	Professional goods	...	...	...	...	...	3675	3505	3781	3998	...	385
390	Other industries	...	...	...	...	...	3647	3627	3915	4213	...	390
3	Manufacturing	d/ 240.94	d/ 251.71	d/ 273.05	...	...	253620	252793	275007	300418	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ For valuation, see country note.
b/ Manufacturing: establishments with 4 or more persons engaged.
c/ Including three-wheeled vehicles and motorcycles.
d/ Including industries for which data are not shown.

JAPAN

ISIC	INDUSTRY	7. VALUE ADDED a/c/ (BILLION YEN) 1986	1987	1988	1989	1990	8. GROSS FIXED CAPITAL FORMATION TOTAL b/ (BILLION YEN) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	142	107	84	...	...	...	...	...	...	...	210
220	Petroleum and gas	55	52	43	...	...	...	...	...	...	...	220
230	Metal ore mining	19	17	17	...	...	...	...	...	...	...	230
290	Other mining	77	76	83	...	...	...	...	...	...	...	290
2	Mining, quarrying .	293	253	227	...	...	...	...	...	...	...	2
311/2	Food products	7997	8434	8836	9210	...	592	657	738	797	...	311/2
313	Beverages	1302	1307	1418	1428	...	95	95	198	284	...	313
314	Tobacco	225	290	299	297	...	54	29	63	42	...	314
321	Textiles	3544	3632	3778	3807	...	204	211	281	302	...	321
3211	Spinning,weaving etc..	1937	1996	2064	2048	...	138	134	184	186	...	3211
322	Wearing apparel	1428	1466	1537	1635	...	40	46	58	67	...	322
323	Leather and products ...	237	237	244	253	...	4	4	6	6	...	323
324	Footwear	170	174	178	193	...	4	5	6	8	...	324
331	Wood products	1679	1796	1860	1910	...	56	71	78	85	...	331
332	Furniture, fixtures	937	996	1098	1178	...	38	37	45	73	...	332
341	Paper and products	2506	2706	2920	3176	...	433	421	561	649	...	341
3411	Pulp,paper etc.	1056	1176	1282	1411	...	306	300	395	465	...	3411
342	Printing,publishing	5270	5443	5905	6386	...	312	347	450	570	...	342
351	Industrial chemicals ...	4263	4523	5023	5452	...	721	620	702	859	...	351
3511	Basic excl fertilizers	2146	2213	2461	2609	...	340	314	346	406	...	3511
3513	Synthetic resins etc .	1817	1995	2282	2559	...	348	276	323	426	...	3513
352	Other chemical products.	5071	5600	5938	6494	...	357	389	429	482	...	352
3522	Drugs and medicines ..	2690	3034	3238	3497	...	171	179	181	207	...	3522
353	Petroleum refineries ...	906	1165	1062	899	...	205	185	109	156	...	353
354	Petroleum,coal products.	209	188	186	228	...	29	20	39	22	...	354
355	Rubber products	1223	1337	1425	1464	...	147	133	152	186	...	355
356	Plastic products n.e.c..	3384	3550	3838	4163	...	370	362	410	504	...	356
361	Pottery,china etc	370	379	409	419	...	28	33	38	42	...	361
362	Glass and products	915	1001	1141	1232	...	153	113	111	165	...	362
369	Non-metal products n.e.c	3071	3255	3533	3672	...	216	212	254	297	...	369
371	Iron and steel	5051	5310	6431	6897	...	869	688	765	848	...	371
372	Non-ferrous metals	1193	1238	1508	1649	...	268	242	217	282	...	372
381	Metal products	6371	6652	7555	8133	...	438	455	543	669	...	381
382	Machinery n.e.c.	12492	12160	14307	16091	...	1147	982	1106	1471	...	382
3825	Office,computing etc..	3222	3256	3579	4078	...	378	344	363	432	...	3825
383	Electrical machinery ...	14741	15034	16776	18359	...	2192	1610	2046	2453	...	383
3832	Radio,television etc..	8592	8546	9704	10678	...	1293	1009	1382	1668	...	3832
384	Transport equipment	9734	10275	10971	12209	...	1738	1518	1416	1926	...	384
3841	Shipbuilding, repair..	699	614	558	654	...	47	44	32	41	...	3841
3843	Motor vehicles ..... d/	8455	9024	9793	10913	...	1646	1420	1325	1824	...	3843
385	Professional goods	1616	1497	1634	1713	...	259	151	178	182	...	385
390	Other industries	1548	1593	1659	1759	...	90	99	97	113	...	390
3	Manufacturing	97453	101237	111470	120306	...	11060	9735	11094	13542	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ For valuation, see country note.
b/ Manufacturing: establishments with 30 or more persons engaged.
c/ Manufacturing: establishments with 4 or more persons engaged.
d/ Including three-wheeled vehicles and motorcycles.

ISIC	INDUSTRY	9. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/ (BILLION YEN)					10. VALUE OF STOCKS AT END OF PERIOD TOTAL a/ (BILLION YEN)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	352	398	433	453	...	1161	1139	1215	1252	...	311/2
313	Beverages	65	65	128	196	...	427	396	389	401	...	313
314	Tobacco	37	24	51	37	...	403	421	377	325	...	314
321	Textiles	146	152	192	197	...	680	667	698	757	...	321
3211	Spinning,weaving etc..	102	102	131	128	...	396	380	410	447	...	3211
322	Wearing apparel	19	21	24	29	...	145	149	157	169	...	322
323	Leather and products ...	2	2	3	3	...	35	36	35	36	...	323
324	Footwear	2	2	3	4	...	30	30	33	35	...	324
331	Wood products	35	45	47	49	...	202	236	235	271	...	331
332	Furniture, fixtures	21	21	24	31	...	169	176	184	192	...	332
341	Paper and products	355	335	441	502	...	455	459	473	557	...	341
3411	Pulp,paper etc.	260	249	328	370	...	269	275	284	353	...	3411
342	Printing,publishing	176	194	269	320	...	389	388	413	435	...	342
351	Industrial chemicals ...	563	496	549	661	...	1071	1000	1035	1146	...	351
3511	Basic excl fertilizers	271	250	262	308	...	530	470	490	537	...	3511
3513	Synthetic resins etc .	266	225	263	334	...	418	419	437	505	...	3513
352	Other chemical products.	234	259	294	317	...	933	940	966	1049	...	352
3522	Drugs and medicines ..	100	112	109	127	...	494	509	521	559	...	3522
353	Petroleum refineries ...	118	127	70	119	...	694	752	610	706	...	353
354	Petroleum,coal products.	26	17	27	16	...	51	37	32	39	...	354
355	Rubber products	121	106	126	146	...	135	131	143	145	...	355
356	Plastic products n.e.c..	283	266	300	366	...	463	469	496	539	...	356
361	Pottery,china etc	20	22	26	29	...	76	77	75	81	...	361
362	Glass and products	118	87	91	126	...	254	231	224	241	...	362
369	Non-metal products n.e.c	163	152	176	211	...	435	402	416	457	...	369
371	Iron and steel	705	547	635	666	...	2078	1905	1930	2031	...	371
372	Non-ferrous metals	183	190	162	195	...	582	546	574	608	...	372
381	Metal products	308	305	376	451	...	1451	1365	1566	1637	...	381
382	Machinery n.e.c.	814	712	824	990	...	4352	3976	4540	5108	...	382
3825	Office,computing etc..	276	269	288	306	...	920	942	1054	1126	...	3825
383	Electrical machinery ...	1710	1281	1620	1888	...	3696	3599	3905	4380	...	383
3832	Radio,television etc..	988	818	1111	1309	...	2182	2108	2309	2604	...	3832
384	Transport equipment	1365	1216	1178	1548	...	2451	2203	2285	2447	...	384
3841	Shipbuilding, repair..	31	27	19	25	...	700	559	528	613	...	3841
3843	Motor vehicles ..... b/	1305	1148	1114	1479	...	1157	1120	1161	1286	...	3843
385	Professional goods	159	111	129	132	...	437	408	443	452	...	385
390	Other industries	59	61	62	72	...	296	310	318	335	...	390
3	Manufacturing	8158	7214	8260	9753	...	23552	22450	23763	25831	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: establishments with 30 or more persons engaged. b/ Including three-wheeled vehicles and motorcycles.

JAPAN

11. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	98	91	89	88	86	70	60	54	44	-9.8	210
220	Petroleum and gas	93	94	96	102	100	102	99	94	95	-0.6	220
230	Metal ore mining	107	107	108	120	139	110	96	77	81	-2.6	230
290	Other mining	91	92	92	89	88	90	100	104	109	1.1	290
2	Mining, quarrying .	96	94	94	94	94	85	81	77	74	-3.7	2
311/2	Food products											311/2
313	Beverages	101	103	101	101	102	104	106	107	108	1.0	313
314	Tobacco	103	100	100	97	96	93	87	88	90	-1.3	314
321	Textiles	97	97	99	98	94	92	92	91	89	-1.4	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	101	99	100	101	98	98	98	96	93	-0.9	322
323	Leather and products ...	99	97	99	94	91	91	91	93	93	-0.9	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	88	84	80	79	79	84	82	83	82	-2.5	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	97	102	107	112	115	122	132	142	149	5.1	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	96	96	100	106	106	112	120	128	134	3.7	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	102	106	116	119	120	127	137	146	153	5.5	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	88	86	89	83	80	78	80	85	93	-0.9	353
354	Petroleum,coal products.	98	91	100	101	94	91	99	97	93	-0.9	354
355	Rubber products	93	100	106	110	106	108	119	127	130	3.3	355
356	Plastic products n.e.c..	100	105	112	116	118	123	131	136	142	4.5	356
361	Pottery,china etc											361
362	Glass and products	92	92	96	96	93	96	105	110	114	1.7	362
369	Non-metal products n.e.c											369
371	Iron and steel	91	90	99	101	95	97	106	108	110	1.2	371
372	Non-ferrous metals	93	95	101	101	101	108	115	123	131	3.4	372
381	Metal products	99	94	97	97	97	101	109	114	118	2.1	381
382	Machinery n.e.c.	105	108	124	136	135	138	158	173	181	7.7	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	121	147	193	203	207	224	263	282	299	14.7	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	100	95	101	108	106	104	114	125	135	3.8	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	103	111	129	148	156	154	169	183	210	9.7	385
390	Other industries	99	93	96	101	103	103	120	134	165	6.5	390
3	Manufacturing ..... b/	101	104	114	119	118	122	134	142	149	5.1	3
410	Electricity,gas,steam ..	103	108	116	120	120	126	133	140	150	5.2	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry b/	101	104	114	118	118	122	134	142	149	5.1	2-4

a/ Annual growth rate 1982-1990.

b/ Excluding printing and publishing.

JORDAN

The information in the tables is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Department of Statistics, Amman. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The data in the tables are derived from the annual survey of establishments on mining, manufacturing and electricity undertaken by the Department of Statistics. The survey is conducted on the basis of sampling of establishments with less than 20 persons engaged and of a complete enumeration of all establishments for mining and manufacturing with 20 or more persons engaged. The survey of electricity is based on a 100 percent enumeration. The data have been adjusted for non-response.

The data in the tables are based on the national classification, but are arranged to represent the present version of ISIC as far as details permit. It should be noted, however, that included in ISIC 390 are establishments specializing in repair services for the general public, bakeries located in rural areas and establishments engaging in both manufacturing and repair activities (mainly observed in the case of ISIC 322, 381 and 383) in addition to other manufacturing industries defined in ISIC.

The number of establishments relates to the establishments in operation during the year. Data on employment refer, for mining and manufacturing, to the number at the end of June of the reference year and, for electricity, to the average of the number of persons at the end of June and December.

Output is the sum of the value of goods produced, value of goods sold in the same condition as purchased and receipts for industrial services rendered to others. Value added is the difference between the value of output and the cost of materials, supplies, fuels, water and electricity consumed, cost of work done by others and cost of non-industrial services purchased. Valuation of output and value added is in producers' prices.

The indices of industrial production are compiled by the Department of Statistics, Amman, and are provided in response to the United Nations Questionnaire on Indices of Industrial Production.

Related national publications:

Industry Survey (annual); Statistical Yearbook, both published by the Department of Statistics, Amman.

JORDAN

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS b/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/b/ (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	-	-	-	-	-	-	-	-	-	-	230
290	Other mining	175	169	113	88	115	5850	5750	6624	6859	6838	290
2	Mining, quarrying .	175	169	113	88	115	5850	5750	6624	6859	6838	2
311/2	Food products	954	998	1209	1457	1559	6968	7357	8052	9244	9911	311/2
313	Beverages	18	14	14	16	15	862	775	688	721	853	313
314	Tobacco	4	4	4	4	4	778	886	968	752	815	314
321	Textiles	119	119	124	144	147	1108	1196	1361	1654	1530	321
3211	Spinning,weaving etc..	...	...	21	25	20	...	...	...	862	750	3211
322	Wearing apparel	851	851	766	853	1268	2726	3010	2883	3027	3791	322
323	Leather and products ...	31	32	42	52	59	194	219	267	363	531	323
324	Footwear	121	145	138	146	165	605	918	902	911	970	324
331	Wood products	[1274	1471]	616	680	[2206	4087	4389	4842]	1746	[5639]	331
332	Furniture, fixtures			1214	1412					3950		332
341	Paper and products	19	18	23	24	26	1081	1267	1319	1373	1621	341
3411	Pulp,paper etc.	2	2	2	3	5	...	111	...	385	276	3411
342	Printing,publishing	113	113	131	142	216	1687 c/	1647	1885 c/	1718	2263	342
351	Industrial chemicals ...	4	10	18	20	23	3952	1404	4165	689	2488	351
3511	Basic excl fertilizers	4	10	10	12	11	...	468	...	449	455	3511
3513	Synthetic resins etc .	-	-	7	5	10	...	-	...	145	259	3513
352	Other chemical products.	68	62	40	48	40	c/	3107	c/	3591	3348	352
3522	Drugs and medicines ..	7	8	8	8	8	...	1381	...	1941	1941	3522
353	Petroleum refineries ...	1	1	1	1	1	2786	2828	2926	3078	3374	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products	5	5	17	18	16	25	124	181	223	172	355
356	Plastic products n.e.c..	54	54	54	50	58	1573	1830	2062	1787	2131	356
361	Pottery,china etc											361
362	Glass and products	[1005	1042	1157	1268	1363	6829	7120	6909	8035	8186]	362
369	Non-metal products n.e.c											369
371	Iron and steel	[30	30	19	21	27	1165	1149	1015]	934	[1033]	371
372	Non-ferrous metals									291		372
381	Metal products	1481	1504	1502	1681	1789	[6085]	6526	4942	5820	5750	381
382	Machinery n.e.c.	22	18	68	72	59		529	1128	1202	891	382
3825	Office,computing etc..	...	...	...	-	-	...	...	...	...	...	3825
383	Electrical machinery ...	11	9	14	12	13	362	479	545	621	675	383
3832	Radio,television etc..	...	...	...	-	-	...	...	...	...	...	3832
384	Transport equipment	5	6	18	20	17	100	135	305	274	119	384
3841	Shipbuilding, repair..	-	-	-	-	-	-	-	-	-	-	3841
3843	Motor vehicles	5	6	18	20	17	100	135	305	274	119	3843
385	Professional goods	-	-	3	3	4	-	-	161	182	249	385
390	Other industries ..... d/	3262	3092	4604	38 f/	43 f/	8374	8602	10295	289 f/	215 f/	390
3	Manufacturing ..... e/	9452	9598	11796	8182	9118	51347	55497	57801	52475	56555	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	3	3	3	3	3	4431	4569	4525	4736	4967	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

For certain differences in classification, see country note.

a/ Mining and manufacturing: at 30 June of the year indicated. b/ Data relate to the East Bank only.
c/ Major group 352 is included in 351.
d/ Including repair services, bakeries in rural areas and manufacture-repair activities.
e/ Including repair services for the general public. f/ Estimated as sum of the given parts.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/b/ (NUMBER)					4. WAGES AND SALARIES OF EMPLOYEES b/ (THOUSAND DINARS)					ISIC
		1986	1987	1988	*1989	*1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	-	-	-	-	-	-	-	-	-	-	230
290	Other mining	5665	5482	6496	6859	6838	19870	21103	24431	26362	23185	290
2	Mining, quarrying .	5665	5482	6496	6859	6838	19870	21103	24431	26362	23185	2
311/2	Food products	6001	6173	6418	9244	9911	7943	7563	8999	10261	10529	311/2
313	Beverages	843	760	669	721	853	1685	1752	1695	1798	1596	313
314	Tobacco	778	883	968	752	815	2273	2381	2579	2629	2579	314
321	Textiles	1048	1090	1206	1654	1530	1561	1736	1850	2333	2177	321
3211	Spinning,weaving etc..	...	...	712	862	750	...	...	...	...	...	3211
322	Wearing apparel	1836	2115	2061	3027	3791	1869	1814	2126	2170	2501	322
323	Leather and products ...	160	169	205	363	531	324	290	378	427	481	323
324	Footwear	469	744	695	911	970	808	1033	1222	1136	991	324
331	Wood products	[2789	2592]	899	1746	[5639	2900	3146]	1154	1470	[3623]	331
332	Furniture, fixtures			1780	3950				1776	2751		332
341	Paper and products	1074	1252	1303	1373	1621	2282	2655	2931	3325	3223	341
3411	Pulp,paper etc.	244	111	54	385	276	...	...	...	...	...	3411
342	Printing,publishing	1586	1520	1742	1718	2263	3211	3222	4064	3385	3792	342
351	Industrial chemicals ...	1005	1399	1329	689	2488	c/ 9294	c/ 10725	4492	6695	5077	351
3511	Basic excl fertilizers	159	463	412	449	455	326	849	909	...	973	3511
3513	Synthetic resins etc .	-	-	156	145	259	...	...	291	...	613	3513
352	Other chemical products.	2904	3065	2804	3591	3348	c/	c/	6849	8223	7878	352
3522	Drugs and medicines ..	1167	1381	1627	1941	1941	2936	3608	4389	...	5005	3522
353	Petroleum refineries ...	2786	2828	2926	3078	3374	10875	11577	12425	13214	10601	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products	18	118	161	223	172	36	155	259	314	241	355
356	Plastic products n.e.c..	1529	1781	2017	1787	2131	2451	2659	3156	2951	3410	356
361	Pottery,china etc	[										361
362	Glass and products	6180	6065	5874	8035	8186	11598	10632	11647	11899	12100	362
369	Non-metal products n.e.c											369
371	Iron and steel	[1111	1128	1004]	934	716	[2148	2290	2525]	2367	[2725]	371
372	Non-ferrous metals				291	317				723		372
381	Metal products	[4694]	4494	3287	5820	5750	5692	5867	4707	5185	5236	381
382	Machinery n.e.c.		511	1040	1202	891	942	981	1831	1953	1222	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	358	477	532	621	675	563	757	890	1107	1226	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	93	127	281	274	119	138	232	355	315	166	384
3841	Shipbuilding, repair..	-	-	-	-	-	-	-	-	-	-	3841
3843	Motor vehicles	93	127	281	274	119	138	232	355	315	166	3843
385	Professional goods	-	-	158	182	249	-	-	244	270	355	385
390	Other industries ..... d/	5397	4916	5291	289	215	3468	3420	4504	265	250	390
3	Manufacturing ..... e/	42659	44207	44650	52475 f/	56555 f/	72061	74887	82658	87166 f/	81979 f/	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	4431	4569	4525	4736	4967	11854	12677	14877	14705	12748	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

For certain differences in classification, see country note.

a/ Mining and manufacturing: at 30 June of the year indicated. b/ Data relate to the East Bank only.
c/ Major group 352 is included in 351.
d/ Including repair services, bakeries in rural areas and manufacture-repair activities.
e/ Including repair services for the general public. f/ Estimated as sum of the given parts.

JORDAN

ISIC	INDUSTRY	5. QUANTITY OF ELECTRICITY CONSUMED a/b/ (MILLION KWH)					6. OUTPUT IN PRODUCERS' PRICES b/ (THOUSAND DINARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	...	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	...	-	-	-	-	-	-	-	220
230	Metal ore mining	-	-	...	-	-	-	-	-	-	-	230
290	Other mining	3456	3442	...	2433	5778	115366	112265	160519	299576	290436	290
2	Mining, quarrying .	3456	3442	...	2433	5778	115366	112265	160519	299576	290436	2
311/2	Food products	1248	1184	...	1604	1528	89829	78298	97872	126108	145552	311/2
313	Beverages	194	210	...	154	133	14373	23625	23901	28090	32573	313
314	Tobacco	100	100	...	32	40	45836	51457	52885	51452	61382	314
321	Textiles	118	282	...	272	315	11783	13647	18054	25300	30413	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	14443	19465	23378	3211
322	Wearing apparel	119	125	...	130	168	10755	9485	11482	14330	17527	322
323	Leather and products ...	35	29	...	5	32	1717	1866	2713	2422	5270	323
324	Footwear	46	52	...	46	37	3974	4906	5727	8135	5256	324
331	Wood products	[188	192]	...	101	[256	18894	18619]	9729	14470	[31378]	331
332	Furniture, fixtures			...	157				12327	19264		332
341	Paper and products	265	256	...	353	313	15688	21368	24666	32997	44026	341
3411	Pulp,paper etc.	...	...	...	-	-	...	...	...	...	-	3411
342	Printing,publishing	105	108	...	94	119	12598	11751	15812	16685	21279	342
351	Industrial chemicals ...	513 c/	724 c/	...	321	969 c/	25765	53498	75544	120972	129897	351
3511	Basic excl fertilizers	...	...	...	...	...	2866	14963	15507	20726	22383	3511
3513	Synthetic resins etc .	...	...	...	...	...	-	-	3018	5135	13364	3513
352	Other chemical products.	c/	c/	...	422	c/	48405	55208	52424	93498	106774	352
3522	Drugs and medicines ..	...	...	...	...	...	17113	23523	25550	43019	48777	3522
353	Petroleum refineries ...	310	202	...	313	425	227749	238121	237282	254158	276492	353
354	Petroleum,coal products.	-	-	...	-	-	-	-	-	-	-	354
355	Rubber products	3	11	...	10	10	171	1572	2107	3939	3426	355
356	Plastic products n.e.c..	526	590	...	654	822	18909	21553	30031	38292	42649	356
361	Pottery,china etc	[		...	[				]	220	5173	361
362	Glass and products	5329	5174]	...	4142	6707	87992	95958	92625	9289	7642	362
369	Non-metal products n.e.c			...						96516	105134	369
371	Iron and steel	[464	728]	...	1150	[623	39789	45112	50437]	64750	58124	371
372	Non-ferrous metals			...	222					14701	13283	372
381	Metal products	[356]	364	...	327	296	33775	36341	29873	41282	39331	381
382	Machinery n.e.c.		41	...	40	56	4009	5341	12555	15882	14626	382
3825	Office,computing etc..	...	...	...	-	-	...	...	...	-	-	3825
383	Electrical machinery ...	66	89	...	156	151	2196	4454	6507	19037	21149	383
3832	Radio,television etc..	...	...	...	-	-	...	...	...	-	-	3832
384	Transport equipment	2	4	...	7	9	491	1041	2132	2629	1552	384
3841	Shipbuilding, repair..	-	-	...	-	-	-	-	-	-	-	3841
3843	Motor vehicles	2	4	...	7	9	491	1041	2132	2629	1552	3843
385	Professional goods	-	-	...	...	...	-	-	1493	2700	3285	385
390	Other industries ..... d/	261	227	...	16	15	14028	14861	20597	1725	2577	390
3	Manufacturing ..... e/	10248	10692	...	10728 f/	13024 f/	728726	808082	888775	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	1041	28	...	65	47	71209	72615	71854	72617	79339	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

For certain differences in classification, see country note.

a/ Refer to value of electricity consumed in thousand dinars.
b/ Data relate to the East Bank only.
c/ Major group 352 is included in 351.
d/ Including repair services, bakeries in rural areas and manufacture-repair activities.
e/ Including repair services for the general public.
f/ Estimated as sum of the given parts.

ISIC	INDUSTRY	7. VALUE ADDED IN PRODUCERS' PRICES a/b/ (THOUSAND DINARS) 1986	1987	1988	1989	1990	8. GROSS FIXED CAPITAL FORMATION TOTAL b/ (THOUSAND DINARS) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	-	-	-	-	-	-	-	-	-	-	230
290	Other mining	63209	64120	76343	191302	193638	180756	130625	138413	164496	150654	290
2	Mining, quarrying .	63209	64120	76343	191302	193638	180756	130625	138413	164496	150654	2
311/2	Food products	20974	18678	22741	36744	38610	48864	46280	56844	69708	67623	311/2
313	Beverages	9627	14258	13066	14040	18854	18610	12812	18629	11654	20007	313
314	Tobacco	35512	39869	41931	40952	50080	1510	1240	1028	1119	1006	314
321	Textiles	4325	4268	5923	9496	12959	6172	9793	6079	7602	9277	321
3211	Spinning,weaving etc..	...	...	4738	8009	10412	...	...	...	-	-	3211
322	Wearing apparel	5265	4481	5200	6190	8571	2931	3147	3466	3997	4952	322
323	Leather and products ...	837	834	1427	1067	746	986	1021	1714	945	3062	323
324	Footwear	1652	2073	2375	2925	2200	993	1072	1114	1911	1663	324
331	Wood products	[8219	8290]	3538	5288	[11750	10957	8270	9373]	4159	[12391]	331
332	Furniture, fixtures			5637	7429					6371		332
341	Paper and products	4200	6360	8230	10449	13404	14779	13173	15455	15568	19663	341
3411	Pulp,paper etc.	1213	622	331	4618	2812	...	...	...	-	-	3411
342	Printing,publishing	6109	5025	6722	6239	7969	8036	7403	11233	8010	10269	342
351	Industrial chemicals ...	c/ 16870	7998	20784	43818	29319	c/ 90733	53716	54816	36102	45824	351
3511	Basic excl fertilizers	672	3248	3560	5597	5762	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	659	1862	3762	...	...	...	...	...	3513
352	Other chemical products.	c/	15838	18660	32267	27972	c/	32800	30340	40838	35046	352
3522	Drugs and medicines ..	6513	7241	11157	18520	17562	...	...	...	...	...	3522
353	Petroleum refineries ...	27403	104562	89240	34077	36213	45199	35997	31806	30147	25382	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products	60	321	317	738	724	246	1272	1951	2645	1417	355
356	Plastic products n.e.c..	5876	6435	7700	8103	11244	18298	16614	15875	14882	19500	356
361	Pottery,china etc	[			79	2185	[				]	361
362	Glass and products	50527	54036	57358	3784	2151	227723	214930	225754	201783	202194	362
369	Non-metal products n.e.c	]			51542	56279	]					369
371	Iron and steel	[10448	14705	14538]	16577	16126	[17901	16290	13027]	11537	[12567]	371
372	Non-ferrous metals				3574	5873				4274		372
381	Metal products	13052	13610	10315	14593	15416	[22453]	21505	14237	16840	24771	381
382	Machinery n.e.c.	1832	2033	3961	3935	6259		3316	9928	9050	6201	382
3825	Office,computing etc..	...	...	...	-	-	...	...	...	-	-	3825
383	Electrical machinery ...	1031	1447	2493	7288	7624	2857	4722	4981	5978	6364	383
3832	Radio,television etc..	...	...	...	-	-	...	...	...	-	-	3832
384	Transport equipment	268	404	932	660	463	746	883	2319	2377	1797	384
3841	Shipbuilding, repair..	-	-	-	-	-	-	-	-	-	-	3841
3843	Motor vehicles	268	404	932	660	463	746	883	2319	2377	1797	3843
385	Professional goods	-	-	553	1844	1281	-	-	2496	2227	2946	385
390	Other industries ..... d/	10017	10724	13894	588	1009	4863	3710	479	1114	1217	390
3	Manufacturing ..... e/	234104	336249	357535	f/ 364286	f/ 385280	544857	509966	532944	f/ 510838	f/ 535139	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	35074	39743	42099	42492	43563	338184	264168	272040	349380	286618	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

For certain differences in classification, see country note.

a/ Net of non-industrial costs.
b/ Data relate to the East Bank only.
c/ Major group 352 is included in 351.
d/ Including repair services, bakeries in rural areas and manufacture-repair activities.
e/ Including repair services for the general public.
f/ Estimated as sum of the given parts.

JORDAN

ISIC	INDUSTRY	9. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/ (THOUSAND DINARS)					10. VALUE OF STOCKS AT END OF PERIOD TOTAL a/ (THOUSAND DINARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	...	...	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	...	...	-	-	-	-	-	-	220
230	Metal ore mining	-	-	...	...	-	-	-	-	-	-	230
290	Other mining	106819	72170	...	...	90133	671	6402	-1831	19964	15040	290
2	Mining, quarrying .	106819	72170	...	...	90133	671	6402	-1831	19964	15040	2
311/2	Food products	28842	27973	...	...	41917	701	286	4479	6527	2338	311/2
313	Beverages	10240	6394	...	...	10539	24	-552	1363	115	-49	313
314	Tobacco	420	217	...	...	34	597	-921	1254	735	800	314
321	Textiles	4123	8127	...	...	6694	-702	-610	2640	4655	-463	321
3211	Spinning,weaving etc..	...	...	...	...	-	-293	-612	2588	3823	-1314	3211
322	Wearing apparel	1760	1884	...	...	2627	-330	-44	105	519	-299	322
323	Leather and products ...	975	456	...	...	1530	58	186	-81	179	-112	323
324	Footwear	437	560	...	...	1004	-110	-31	200	30	70	324
331	Wood products	[6856	5106]	...	...	[7411	-193	482	390]	271	[-587]	331
332	Furniture, fixtures			...	...					27		332
341	Paper and products	8979	7211	...	...	10658	-329	1767	3556	3350	-605	341
3411	Pulp,paper etc.	...	...	...	...	-	-27	276	865	357	187	3411
342	Printing,publishing	5971	5336	...	...	6704	821	299	655	644	379	342
351	Industrial chemicals ...	56143 b/	37961	...	...	42286 b/	118 b/	2099 b/	8811 b/	9059	7753 b/	351
3511	Basic excl fertilizers	...	...	...	...	...	131	1371	3787	-2093	1377	3511
3513	Synthetic resins etc .	...	...	...	...	...	-	-	533	221	905	3513
352	Other chemical products.	b/	14276	...	...	b/	b/	b/	b/	7418	b/	352
3522	Drugs and medicines ..	...	...	...	...	...	763	-309	1780	4532	2143	3522
353	Petroleum refineries ...	37444	29266	...	...	15553	-5432	12687	-1233	11507	14640	353
354	Petroleum,coal products.	-	-	...	...	-	-	-	-	-	-	354
355	Rubber products	111	514	...	...	543	-26	-95	244	-130	115	355
356	Plastic products n.e.c..	11943	11923	...	...	12603	475	2661	649	881	1429	356
361	Pottery,china etc	[	]	...	...	[						361
362	Glass and products	32261	121240	...	...	104938	-1642	681	2044	-277	-4239	362
369	Non-metal products n.e.c			...	...							369
371	Iron and steel	[11707	9245]	...	...	[6732	1730]	-285	-258	7659	[-155]	371
372	Non-ferrous metals			...	...			-200	-79	560		372
381	Metal products	[11593]	11792	...	...	13663	[1446	-426	1135]	1558	[909]	381
382	Machinery n.e.c.		1424	...	...	2778				1998		382
3825	Office,computing etc..	...	...	...	...	-	...	...	...	...	...	3825
383	Electrical machinery ...	2061	3381	...	...	2289	-60	563	704	1672	948	383
3832	Radio,television etc..	...	...	...	...	-	...	...	...	...	...	3832
384	Transport equipment	453	476	...	...	813	...	...	...	5	-63	384
3841	Shipbuilding, repair..	-	-	...	...	-	...	...	...	-	-	3841
3843	Motor vehicles	453	476	...	...	813	...	...	...	5	-63	3843
385	Professional goods	-	-	...	...	1456	4	-79	93	820	47	385
390	Other industries ..... c/	3834	2410	...	...	512	-	-	625	-58	222	390
3	Manufacturing ..... d/	236153	307172	...	...	293284 e/	-2850	18468	27296	59724 e/	23078 e/	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	48447	136464	...	...	2767	4279	-	-	2	1768	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Data relate to the East Bank only.
b/ Major group 352 is included in 351.
c/ Including repair services, bakeries in rural areas and manufacture-repair activities.
d/ Including repair services for the general public.
e/ Estimated as sum of the given parts.

11. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	122	110	128	133	92	96	110	106	111	1.3	311/2
313	Beverages	82	74	93	75	65	69	75	77	81	-2.6	313
314	Tobacco	...	...	...	...	...	...	...	...	...	...	314
321	Textiles ..... b/	73	86	112	149	132	149	156	133	142	4.5	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... b/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	[90	62	81	77	39	22	51	61	44	-9.8]	331
332	Furniture, fixtures											332
341	Paper and products	162	122	176	218	186	268	227	287	300	14.7	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... c/	111	106	146	140	164	172	146	202	206	9.5	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	138	136	137	134	127	132	130	133	146	4.8	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	110	100	93	90	115	109	123	94	104	0.5	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	86	139	222	222	197	260	195	212	190	8.4	369
371	Iron and steel	148	162	130	155	162	172	152	138	137	4.0	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	...	...	...	...	...	...	...	...	...	...	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	...	...	...	...	...	...	...	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	139	170	197	216	266	313	290	308	330	16.1	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	120	126	152	155	157	172	158	141	166	6.5	2-4

a/ Annual growth rate 1982-1990.
b/ Major group 322 is included in 321.
c/ Major group 352 is included in 351.

KENYA

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Central Bureau of Statistics, Ministry of Planning and National Development, Nairobi.

The estimates are derived from the survey of industrial production undertaken annually by the Central Bureau of Statistics, mainly on the basis of a mail inquiry. A census of industrial production is conducted every 5 years. The survey covers establishments with 20-49, persons engaged based on 25 percent sample and a total coverage of establishments 50 or more persons engaged, except for mining where the private sector only is covered. In general the survey accounts for about 80 percent of output and value added. In the tables, figures include estimates for non-response.

The estimates are based on the national classification which is comparable with the present ISIC. It should be noted, however, that the manufacture of metal furniture and fixtures (ISIC 381) is classified under ISIC 332 and the estimates for ISIC 384 include repair of motor vehicles (ISIC major division 9). The unit of currency in Kenya is the Kenyan shilling, but the Kenyan pound is employed as the monetary unit in tables. One Kenyan pound equals 20 Kenyan shillings. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards but the following points should be noted:

Number of persons engaged refers to averages of the numbers at the beginning and at the end of the reporting year;

Wages and salaries include employers' contributions to pension, health and other similar schemes;

Output refers to gross output which is not adjusted for the cost of goods sold in the same condition as purchased. Valuation of output and value added is at factor values.

The indices of industrial production are compiled by the United Nations Statistical Division from series of indices calculated by the Central Bureau of Statistics, Ministry of Finance and Planning. The indices are provided by the national authorities in response to the United Nations Questionnaire on Indices of Industrial Production.

Related national publication:

Statistical Abstract (annual), published by the Central Bureau of Statistics, Ministry of Economic Planning and Development, Nairobi.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER) 1986	1987	1988	1989	1990	2. AVERAGE NUMBER OF EMPLOYEES a/ (NUMBER) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	28	17	45	16	15	7896	3726	3875	4073	8640	2
311/2	Food products	136	126	157	141	145	45023	46063	49177	50193	51511	311/2
313	Beverages	[22	22	21	22	23	7119	6700	7389	7500	7649]	313
314	Tobacco											314
321	Textiles	44	47	44	52	58	22860	23834	26354	24916	25104	321
3211	Spinning,weaving etc..	18	19	16	14	15	12117	12172	12243	12446	12418	3211
322	Wearing apparel	46	46	46	76	76	8051	8253	7670	6260	6868	322
323	Leather and products ...	6	6	7	13	14	1265	1339	1502	1625	1442	323
324	Footwear	1	1	2	3	3	1936	1977	2271	2392	2378	324
331	Wood products	57	45	40	39	38	8549	8602	8533	8715	8648	331
332	Furniture, fixtures .... b/	29	28	27	26	34	4595	4661	4604	4665	4750	332
341	Paper and products	20	22	21	20	21	5026	6870	6803	7076	7142	341
3411	Pulp,paper etc.	1	1	1	1	1	1780	3296	3347	3560	3632	3411
342	Printing,publishing	22	22	24	21	21	5929	5926	5919	5983	5992	342
351	Industrial chemicals ...	14	12	11	9	10	3454	3489	3198	3607	3557	351
3511	Basic excl fertilizers	8	7	7	6	7	2370	2455	2157	2543	2531	3511
3513	Synthetic resins etc .	-	-	-	-	-	-	-	-	-	-	3513
352	Other chemical products.	33	37	33	37	39	6839	7540	7563	8039	8663	352
3522	Drugs and medicines ..	10	11	9	10	9	1705	1812	1475	1793	1774	3522
353	Petroleum refineries ...	1	1	1	1	1	243	287	293	318	264	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products	7	7	7	3	3	1987	2051	2013	2002	2202	355
356	Plastic products n.e.c..	16	16	16	16	16	2097	2194	2807	2839	3420	356
361	Pottery,china etc	1	1	1	3	3	210	237	250	234	209	361
362	Glass and products	3	3	3	2	2	1062	1203	1386	1432	1436	362
369	Non-metal products n.e.c	16	12	15	11	15	5001	5198	5146	5237	5403	369
371	Iron and steel	[16	12	15	11	15	2110	2772	3135	4737	5337]	371
372	Non-ferrous metals											372
381	Metal products ..... b/	47	48	43	55	49	9055	9607	9636	10170	10998	381
382	Machinery n.e.c.	6	6	8	3	3	1357	1633	1687	1574	1489	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	9	9	10	5	5	2111	2034	2077	2124	2369	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	61	51	53	20	21	17290	17404	17548	17688	17079	384
3841	Shipbuilding, repair..	4	1	1	1	1	390	384	391	488	468	3841
3843	Motor vehicles	16	15	15	16	17	3224	3374	3559	3640	3593	3843
385	Professional goods	1	1	2	1	1	152	151	108	181	181	385
390	Other industries	10	10	10	7	7	1944	2118	3126	3266	3592	390
3	Manufacturing	620	591	614	586	590	165265	172143	180195	182773	187683	3
410	Electricity,gas,steam ..	15	15	16	15	15	6296	7477	8214	10068	9484	410
4101	Electricity	15	15	16	15	15	6296	7477	8214	10068	9484	4101
420	Water works and supply .	...	...	...	...	...	11894	12205	12872	12352	12954	420
4	Electricity,gas etc	15	15	16	15	15	18190	19682	21086	22420	22438	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 20 or more persons engaged.
b/ Manufacture of metal furniture and fixtures is included in major group 332.

KENYA

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES a/b/ (THOUSAND POUNDS)					4. OUTPUT IN FACTOR VALUES b/ (MILLION POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	7398	4456	4566	5307	5790	38	45	50	20	78	2
311/2	Food products	39625	45703	53908	59567	65752	1817	1943	2247	2699	3610	311/2
313	Beverages	[17620	18722	21206	23944	26674	277	299	339	391	409]	313
314	Tobacco											314
321	Textiles	18248	22643	29221	30480	33448	182	187	198	222	122	321
3211	Spinning,weaving etc..	8654	11550	14226	15746	16683	-	-	-	17	17	3211
322	Wearing apparel	6514	7567	7470	6652	7618	88	104	131	124	164	322
323	Leather and products ...	1329	1690	2178	2537	2364	17	22	22	22	20	323
324	Footwear	2342	3082	3609	4285	4365	25	33	35	39	52	324
331	Wood products	5942	6717	6783	8030	8757	45	57	64	73	93	331
332	Furniture, fixtures .... c/	4688	6012	6052	6664	7761	27	23	26	28	38	332
341	Paper and products	7366	11076	11915	13726	14780	97	109	118	140	180	341
3411	Pulp,paper etc.	2256	4864	4958	5758	6484	51	63	65	79	109	3411
342	Printing,publishing	8637	9842	11726	12995	15512	56	61	59	65	86	342
351	Industrial chemicals ...	5486	6053	5985	7332	7773	98	134	134	139	176	351
3511	Basic excl fertilizers	3849	4409	4295	5399	5799	61	91	95	101	132	3511
3513	Synthetic resins etc .	-	-	-	-	-	-	-	-	-	-	3513
352	Other chemical products.	16847	19989	22200	25020	29483	209	311	752	958	1136	352
3522	Drugs and medicines ..	4316	4919	5368	6883	6968	62	68	89	110	120	3522
353	Petroleum refineries ...	1097	916	1868	2223	2103	438	601	649	759	925	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products	5328	6193	6279	6461	7476	71	98	110	121	156	355
356	Plastic products n.e.c..	2567	2685	3818	4214	5587	45	69	86	91	99	356
361	Pottery,china etc	261	334	373	359	376	1	1	1	1	8	361
362	Glass and products	1331	1686	2075	2436	2574	7	6	7	14	13	362
369	Non-metal products n.e.c	11175	12090	12159	13811	16149	102	140	143	167	210	369
371	Iron and steel	[2789	3637	4192	7002	8994	68	84	94	111	119]	371
372	Non-ferrous metals											372
381	Metal products ..... c/	14079	15742	17004	19936	23985	199	246	263	345	375	381
382	Machinery n.e.c.	1517	1848	2481	2459	2488	22	20	22	22	12	382
3825	Office,computing etc..	-	-	-	-	-	-	-	-	-	-	3825
383	Electrical machinery ...	5372	5296	5642	6338	7353	144	179	191	262	289	383
3832	Radio,television etc..	-	-	-	-	-	-	-	-	-	-	3832
384	Transport equipment	23027	27018	31416	35026	37407	221	315	357	357	407	384
3841	Shipbuilding, repair..	710	905	1198	1563	1672	32	48	56	69	70	3841
3843	Motor vehicles	6796	8318	9072	9936	10454	104	143	155	153	179	3843
385	Professional goods	132	153	115	214	248	2	2	2	2	10	385
390	Other industries	1883	2375	4376	5071	6080	35	43	52	84	105	390
3	Manufacturing	205206	239074	274056	306786	347098	4296	5089	6102	7283	8816	3
410	Electricity,gas,steam ..	11456	20392	22850	31468	35541	...	...	...	...	...	410
4101	Electricity	11456	20392	22850	31468	35541	...	...	...	...	...	4101
420	Water works and supply .	15252	16143	20740	21948	24887	...	...	...	...	...	420
4	Electricity,gas etc	26708	36535	43590	53416	60428	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Including employers' contributions to the social security fund.
b/ Establishments with 20 or more persons engaged.
c/ Manufacture of metal furniture and fixtures is included in major group 332.

5. VALUE ADDED IN FACTOR VALUES a/
(MILLION POUNDS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	290
2	Mining, quarrying .	11.0	13.0	14.0	19.0	24.0	2
311/2	Food products	182.0	209.0	229.0	258.0	289.0	311/2
313	Beverages	[66.0	73.0	92.0	107.0	117.0]	313
314	Tobacco						314
321	Textiles	40.0	45.0	51.0	58.0	63.0	321
3211	Spinning,weaving etc..	...	...	...	...	...	3211
322	Wearing apparel	16.0	18.0	17.0	16.0	18.0	322
323	Leather and products ...	3.0	3.0	4.0	5.0	5.0	323
324	Footwear	6.0	8.0	9.0	10.0	15.0	324
331	Wood products	13.0	15.0	15.0	18.0	19.0	331
332	Furniture, fixtures .... b/	9.0	12.0	10.0	11.0	13.0	332
341	Paper and products	23.0	27.0	38.0	44.0	48.0	341
3411	Pulp,paper etc.	9.0	10.0	19.0	23.0	26.0	3411
342	Printing,publishing	17.0	20.0	24.0	26.0	31.0	342
351	Industrial chemicals ...	14.0	16.0	15.0	19.0	20.0	351
3511	Basic excl fertilizers	11.0	12.0	12.0	16.0	16.0	3511
3513	Synthetic resins etc .	-	-	-	-	-	3513
352	Other chemical products.	43.0	47.0	58.0	56.0	77.0	352
3522	Drugs and medicines ..	12.0	12.0	15.0	19.0	19.0	3522
353	Petroleum refineries ...	4.0	5.0	8.0	9.0	8.0	353
354	Petroleum,coal products.	-	-	-	-	-	354
355	Rubber products	27.0	31.0	32.0	32.0	38.0	355
356	Plastic products n.e.c..	13.0	13.0	19.0	21.0	28.0	356
361	Pottery,china etc	1.0	1.0	1.0	1.0	1.0	361
362	Glass and products	3.0	3.0	5.0	5.0	6.0	362
369	Non-metal products n.e.c	28.0	24.0	31.0	39.0	48.0	369
371	Iron and steel	[1.0	1.0	1.0	2.0	3.0]	371
372	Non-ferrous metals						372
381	Metal products ..... b/	27.0	30.0	44.0	51.0	73.0	381
382	Machinery n.e.c.	4.0	4.0	6.0	6.0	6.0	382
3825	Office,computing etc..	-	-	-	-	-	3825
383	Electrical machinery ...	31.0	31.0	33.0	37.0	50.0	383
3832	Radio,television etc..	-	-	-	-	-	3832
384	Transport equipment	29.0	41.0	38.0	42.0	45.0	384
3841	Shipbuilding, repair..	4.0	6.0	6.0	8.0	8.0	3841
3843	Motor vehicles	10.0	15.0	13.0	14.0	15.0	3843
385	Professional goods	-	-	-	-	-	385
390	Other industries	9.0	11.0	17.0	20.0	23.0	390
3	Manufacturing	608.0	690.0	797.0	907.0	1041.0	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	2-4

a/ Establishments with 20 or more persons engaged.
b/ Manufacture of metal furniture and fixtures is included in major group 332.

KENYA

6. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	17	117	38	32	61	40	122	109	109	1.1	230
290	Other mining	80	95	100	94	102	108	102	104	107	0.8	290
2	Mining, quarrying .	153	181	171	93	101	106	102	104	107	0.8	2
311/2	Food products	105	111	119	126	134	146	155	158	160	6.1	311/2
313	Beverages	89	82	89	99	116	137	140	146	146	4.8	313
314	Tobacco	115	140	130	122	126	138	144	144	144	4.7	314
321	Textiles	83	91	103	108	116	119	122	126	141	4.4	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	141	148	134	128	129	131	134	138	126	2.9	322
323	Leather and products ...	[98	99	86	85	87	89	94	100	105	0.6]	323
324	Footwear											324
331	Wood products	98	81	68	49	50	50	49	50	52	-7.8	331
332	Furniture, fixtures	84	88	91	93	95	96	95	95	96	-0.5	332
341	Paper and products	91	83	88	94	100	109	121	125	130	3.3	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	145	154	172	179	190	202	211	213	218	10.2	342
351	Industrial chemicals ...	95	86	96	94	95	97	104	114	121	2.4	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[96	101	126	132	143	156	176	203	234	11.2]	353
354	Petroleum,coal products.											354
355	Rubber products	79	101	118	128	136	144	149	160	169	6.8	355
356	Plastic products n.e.c..	79	97	90	95	99	102	98	106	110	1.2	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	63	75	97	100	100	101	106	117	127	3.0	362
369	Non-metal products n.e.c	99	97	86	96	107	113	111	116	132	3.5	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	69	75	69	73	81	90	103	120	137	4.0	381
382	Machinery n.e.c.	79	81	83	88	96	103	112	107	84	-2.2	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	88	88	93	98	103	107	120	123	121	2.4	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	118	137	118	102	90	83	93	97	102	0.2	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	78	86	115	147	189	244	262	272	295	14.5	390
3	Manufacturing	106	111	115	109	116	125	132	138	143	4.6	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Annual growth rate 1982-1990.

KOREA, REPUBLIC OF

The information in the tables, except for the indices, is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the National Bureau of Statistics, Economic Planning Board, Seoul.

The data are derived from the Annual Survey of Mining and Manufacturing conducted by the National Bureau of Statistics. The Survey covers establishments with 5 or more persons engaged with the following exceptions:. (i) establishments under construction as of 31 December of the year indicated; (ii) establishments operated directly by the Government armed forces and by allied forces; (iii) workshops operated by public occupation guidance centres; (iv) experimental stations or laboratories attached to public organizations and schools. Data on hours worked by operatives are derived from labour statistics compiled by the Ministry of Labour and based on establishments with 10 or more persons engaged. Data for the years 1982-1984 refer to hours worked by number of employees. Data for electricity are derived from the records kept by the Korea Electric Power Corporation, a government-owned enterprise. Data have not been adjusted for non-response.

The national industrial classification scheme basically follows the present version of the ISIC, with some local adaptations at the four digit level for the following: ISIC 3211 includes bleaching, dyeing and finishing textiles which should be ISIC 3213; ISIC 3511 includes plastic materials and synthetic rubber which are at the same time included in ISIC 3513. Dyes, pigments and tanning materials are also inluded in ISIC 3513 but should be included in ISIC 3511. The concepts and definitions used are generally in accordance with the United Nations standards, although the following points should be noted:

All employment data refer to averages during the year except for female employees which refer to the end of the year. Homeworkers are included;

Wages and salaries include payments to homeworkers;

Output does not take into account goods bought and resold without further processing. Valuation of census output and census value added is at producer's prices;

Gross fixed capital formation data relate to the sum of the cost of new and used fixed assets acquired.

The indices of industrial production are compiled by the Bank of Korea and provided in response to the United Nations Questionnaire on Indices of Industrial Production. The indices cover, in principle, all establishments with 5 or more persons engaged.

Related national publications:

Report on Industrial Census, vols. I and II (annual); Korea Statistical Yearbook, both published by the Economic Planning Board, Seoul. Economic Statistics Yearbook; Monthly Economic Statistics, both published by the Bank of Korea, Seoul.

KOREA, REPUBLIC OF

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/b/ (THOUSANDS)				
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990
210	Coal mining	338	329	296	296	...	66.8	66.9	60.6	49.3	...
220	Petroleum and gas	-	-	-	-	...	-	-	-	-	...
230	Metal ore mining	47	43	32	24	...	5.2	4.9	3.4	3.2	...
290	Other mining	1563	1557	1467	1520	...	22.8	22.5	14.2	21.4	...
2	Mining, quarrying .	1948	1929	1795	1840	...	94.8	94.3	78.2	73.9	...
311/2	Food products	3783	3825	3906	3981	...	171.0	178.6	179.0	179.3	...
313	Beverages	955	873	758	683	...	27.4	30.3	29.5	27.2	...
314	Tobacco	22	22	22	21	...	11.0	10.2	9.9	7.5	...
321	Textiles	6860	7199	7591	7858	...	403.2	422.9	421.2	392.0	...
3211	Spinning,weaving etc.. c/	3890	4180	4371	4447	...	297.5	319.4	319.6	296.5	...
322	Wearing apparel	4687	5111	5871	6497	...	267.4	276.5	283.0	269.4	...
323	Leather and products ...	1020	1105	1181	1290	...	39.4	47.3	43.5	46.0	...
324	Footwear	545	638	688	704	...	35.4	36.9	34.8	33.0	...
331	Wood products	1714	1756	1907	1994	...	37.6	39.6	42.9	42.1	...
332	Furniture, fixtures	1154	1251	1491	1727	...	31.0	32.8	40.5	45.0	...
341	Paper and products	1418	1535	1661	1876	...	55.6	60.3	63.3	64.5	...
3411	Pulp,paper etc.	314	331	335	337	...	22.8	23.2	24.5	24.5	...
342	Printing,publishing	2209	2389	2616	2864	...	59.6	64.8	70.8	74.2	...
351	Industrial chemicals ...	683	839	929	947	...	40.7	44.0	48.9	51.4	...
3511	Basic excl fertilizers c/	307	428	485	478	...	15.0	18.0	21.5	22.5	...
3513	Synthetic resins etc . c/	239	378	448	455	...	16.7	21.0	24.5	27.0	...
352	Other chemical products.	815	877	946	998	...	67.4	74.1	78.2	76.7	...
3522	Drugs and medicines ..	283	287	298	302	...	35.1	29.0	32.4	29.8	...
353	Petroleum refineries ...	14	13	13	12	...	4.4	4.5	5.5	6.0	...
354	Petroleum,coal products.	321	330	329	352	...	13.2	13.3	12.5	12.0	...
355	Rubber products	1008	1189	1261	1584	...	170.5	189.1	188.5	182.9	...
356	Plastic products n.e.c..	2496	2726	3029	3466	...	76.6	86.6	94.5	98.7	...
361	Pottery,china etc	340	381	403	483	...	18.3	19.8	18.5	18.1	...
362	Glass and products	260	281	329	335	...	22.9	23.1	24.9	24.7	...
369	Non-metal products n.e.c	2473	2469	2529	2626	...	73.8	75.7	76.2	81.9	...
371	Iron and steel	669	667	804	797	...	78.6	81.8	86.6	86.4	...
372	Non-ferrous metals	503	515	617	671	...	28.2	25.9	33.3	31.4	...
381	Metal products	3897	4294	4786	5463	...	146.0	159.3	183.2	178.4	...
382	Machinery n.e.c.	3783	4333	5087	5912	...	149.9	172.9	195.6	207.3	...
3825	Office,computing etc..	149	196	252	302	...	18.4	17.2	23.4	22.7	...
383	Electrical machinery ...	3733	4514	5315	6120	...	366.1	449.4	480.8	468.0	...
3832	Radio,television etc..	1392	1694	2004	2218	...	171.3	203.3	212.6	194.7	...
384	Transport equipment	1594	1832	2124	2511	...	181.6	203.4	220.2	228.4	...
3841	Shipbuilding, repair..	435	417	424	436	...	72.5	67.3	50.7	57.2	...
3843	Motor vehicles	962	1227	1479	1835	...	98.6	124.7	153.8	158.1	...
385	Professional goods	696	807	951	1100	...	42.4	48.1	54.7	52.1	...
390	Other industries	2411	2618	2784	2812	...	119.1	129.6	121.6	108.8	...
3	Manufacturing	50063	54389	59928	65684	...	2738.3	3001.3	3142.2	3093.4	...
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...
4101	Electricity	...	...	...	...	...	...	...	...	...	...
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...
2-4	All industry	...	...	...	...	...	...	...	...	...	...

a/ Establishments with 5 or more persons engaged.
b/ Manufacturing: including homeworkers.
c/ For classification, see country note.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/b/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES b/ (BILLION WON)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	66.5	66.6	60.4	49.1	...	289.7	316.5	329.0	304.1	...	210
220	Petroleum and gas	-	-	-	-	...	-	-	-	-	...	220
230	Metal ore mining	5.2	4.8	3.4	3.2	...	22.5	23.3	20.2	20.3	...	230
290	Other mining	21.1	21.0	13.6	19.8	...	58.8	69.6	76.6	92.6	...	290
2	Mining, quarrying .	92.8	92.4	77.4	72.1	...	371.0	409.4	425.8	417.0	...	2
311/2	Food products	166.6	174.2	174.7	174.7	...	477.0	588.7	701.4	843.7	...	311/2
313	Beverages	26.1	29.1	28.5	26.2	...	104.2	135.7	148.3	174.0	...	313
314	Tobacco	11.0	10.2	9.9	7.5	...	53.2	70.1	74.3	71.7	...	314
321	Textiles	396.3	415.7	413.7	384.4	...	1084.1	1325.8	1550.3	1790.5	...	321
3211	Spinning,weaving etc.. c/	293.8	315.5	315.6	292.4	...	811.8	1029.4	1217.9	1389.6	...	3211
322	Wearing apparel	262.5	271.4	277.2	262.5	...	608.6	736.4	865.4	1017.0	...	322
323	Leather and products ...	38.4	46.3	42.4	44.9	...	110.4	152.0	169.7	219.6	...	323
324	Footwear	34.9	36.3	34.1	32.3	...	87.0	107.7	119.6	143.1	...	324
331	Wood products	35.9	37.8	41.0	40.1	...	103.6	123.0	161.4	197.5	...	331
332	Furniture, fixtures	29.7	31.4	38.9	43.0	...	82.0	106.6	153.2	212.8	...	332
341	Paper and products	54.4	59.0	62.0	63.0	...	191.2	242.4	296.1	361.3	...	341
3411	Pulp,paper etc.	22.5	22.9	24.3	24.2	...	86.0	102.1	134.7	162.7	...	3411
342	Printing,publishing	57.5	62.5	68.4	71.5	...	237.4	305.4	368.4	507.6	...	342
351	Industrial chemicals ...	40.3	43.5	48.3	50.8	...	196.9	245.2	317.0	437.9	...	351
3511	Basic excl fertilizers c/	15.0	17.7	21.0	22.1	...	80.0	104.6	143.4	201.8	...	3511
3513	Synthetic resins etc . c/	16.6	20.7	24.0	26.7	...	86.9	114.6	155.0	232.0	...	3513
352	Other chemical products.	67.0	73.7	77.7	76.3	...	263.9	352.4	410.2	503.0	...	352
3522	Drugs and medicines ..	35.1	28.9	32.3	29.8	...	137.3	143.0	173.9	185.3	...	3522
353	Petroleum refineries ...	4.4	4.5	5.5	6.0	...	35.4	43.6	51.8	79.6	...	353
354	Petroleum,coal products.	13.1	13.1	12.4	11.9	...	55.1	61.4	68.6	77.5	...	354
355	Rubber products	169.5	188.0	187.5	181.6	...	409.5	569.6	670.6	799.7	...	355
356	Plastic products n.e.c..	74.4	84.2	91.9	95.6	...	230.6	298.8	372.9	489.7	...	356
361	Pottery,china etc	17.8	19.3	18.0	17.4	...	44.8	56.2	66.0	74.8	...	361
362	Glass and products	22.7	22.9	24.6	24.5	...	87.7	98.9	129.3	168.3	...	362
369	Non-metal products n.e.c	71.3	73.4	74.2	79.4	...	255.2	303.1	383.6	499.3	...	369
371	Iron and steel	78.2	81.3	86.1	85.9	...	364.2	416.4	576.9	728.3	...	371
372	Non-ferrous metals	27.8	25.5	32.9	31.0	...	109.9	132.8	162.2	203.5	...	372
381	Metal products	142.5	155.5	178.9	173.6	...	479.0	592.8	851.1	986.7	...	381
382	Machinery n.e.c.	146.6	169.3	191.4	202.5	...	540.8	720.7	937.2	1261.1	...	382
3825	Office,computing etc..	18.4	17.1	23.3	22.6	...	60.6	53.4	92.2	105.8	...	3825
383	Electrical machinery ...	363.1	445.9	476.8	463.4	...	1107.2	1616.7	2109.5	2595.2	...	383
3832	Radio,television etc..	170.2	202.0	211.2	193.0	...	505.9	712.9	921.3	1067.3	...	3832
384	Transport equipment	180.3	202.4	218.4	226.3	...	859.0	1074.0	1352.8	1690.5	...	384
3841	Shipbuilding, repair..	72.1	66.9	50.4	56.8	...	393.4	417.6	381.5	463.7	...	3841
3843	Motor vehicles	97.8	123.8	152.7	156.7	...	428.9	608.3	890.0	1143.6	...	3843
385	Professional goods	41.9	47.5	53.9	51.3	...	124.3	158.9	224.4	272.1	...	385
390	Other industries	116.8	127.2	119.1	106.2	...	305.1	397.4	436.3	473.5	...	390
3	Manufacturing	2691.0	2951.1	3088.4	3033.8	...	8607.3	1032.7	3728.6	6879.5	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: including homeworkers.
c/ For classification, see country note.

b/ Establishments with 5 or more persons engaged.

KOREA, REPUBLIC OF

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES a/b/c/ (THOUSANDS)					6. WAGES AND SALARIES OF OPERATIVES c/ (BILLION WON)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	55.4	57.5	51.3	40.9	...	236.9	266.7	275.5	251.2	...	210
220	Petroleum and gas	-	-	-	-	...	-	-	-	-	...	220
230	Metal ore mining	4.4	4.0	2.7	2.5	...	18.5	19.5	15.4	15.4	...	230
290	Other mining	18.7	18.4	10.8	16.9	...	49.8	57.4	62.6	75.4	...	290
2	Mining, quarrying .	78.5	79.9	64.8	60.3	...	305.2	343.6	353.6	342.0	...	2
311/2	Food products	127.7	131.5	126.8	130.8	...	308.2	374.1	452.9	551.9	...	311/2
313	Beverages	14.4	15.1	17.3	16.5	...	51.3	61.1	80.1	101.8	...	313
314	Tobacco	9.0	8.5	8.6	6.4	...	43.6	55.2	61.2	59.9	...	314
321	Textiles	345.6	360.7	354.0	327.9	...	879.1	1078.6	1269.6	1442.2	...	321
3211	Spinning,weaving etc.. d/	259.1	276.7	274.0	252.4	...	667.6	851.2	1012.8	1139.3	...	3211
322	Wearing apparel	233.3	237.6	238.4	224.0	...	498.3	596.2	697.1	809.4	...	322
323	Leather and products ...	31.9	37.3	33.1	35.1	...	83.5	113.7	124.3	161.8	...	323
324	Footwear	30.2	30.9	28.9	26.8	...	70.0	83.1	95.7	109.5	...	324
331	Wood products	29.3	31.1	33.7	32.5	...	77.8	94.9	125.5	154.0	...	331
332	Furniture, fixtures	25.7	26.8	33.2	36.0	...	65.2	85.5	124.1	170.2	...	332
341	Paper and products	41.8	44.6	46.3	47.1	...	136.4	168.4	210.8	253.8	...	341
3411	Pulp,paper etc.	17.1	17.7	18.3	17.9	...	61.4	72.7	98.2	114.6	...	3411
342	Printing,publishing	35.9	37.9	41.0	40.8	...	123.9	155.8	191.3	249.1	...	342
351	Industrial chemicals ...	29.6	31.5	34.4	36.2	...	134.3	168.1	220.9	304.9	...	351
3511	Basic excl fertilizers d/	10.5	12.7	15.2	15.8	...	53.2	70.3	100.6	139.5	...	3511
3513	Synthetic resins etc . d/	12.6	15.4	17.6	19.8	...	61.8	81.7	109.6	166.8	...	3513
352	Other chemical products.	34.7	43.6	46.5	45.7	...	118.9	177.9	216.9	204.0	...	352
3522	Drugs and medicines ..	16.3	14.4	16.7	15.0	...	54.3	56.7	75.9	76.6	...	3522
353	Petroleum refineries ...	2.6	2.9	3.6	3.9	...	19.6	25.9	35.2	50.5	...	353
354	Petroleum,coal products.	8.3	8.2	7.7	7.4	...	31.8	35.6	39.1	45.3	...	354
355	Rubber products	154.6	170.7	168.6	161.7	...	347.9	481.4	568.1	672.9	...	355
356	Plastic products n.e.c..	58.5	65.7	70.2	72.5	...	164.8	214.9	266.0	351.3	...	356
361	Pottery,china etc	15.9	17.1	15.8	15.4	...	36.6	45.1	55.4	62.7	...	361
362	Glass and products	18.3	19.2	20.3	20.2	...	63.6	76.8	102.3	136.3	...	362
369	Non-metal products n.e.c	56.0	56.6	56.3	59.9	...	186.1	215.1	276.3	354.6	...	369
371	Iron and steel	62.5	65.6	69.7	67.6	...	271.6	322.1	464.8	564.9	...	371
372	Non-ferrous metals	21.7	19.6	25.4	23.5	...	79.8	98.0	119.6	148.7	...	372
381	Metal products	112.2	121.8	136.5	130.6	...	343.3	429.0	606.7	702.8	...	381
382	Machinery n.e.c.	109.3	126.6	138.3	145.4	...	371.6	497.6	643.7	869.6	...	382
3825	Office,computing etc..	12.4	13.3	16.5	15.7	...	31.5	36.1	55.3	65.0	...	3825
383	Electrical machinery ...	290.1	356.2	371.6	347.7	...	776.0	1140.1	1508.8	1781.7	...	383
3832	Radio,television etc..	132.6	158.4	163.0	141.7	...	337.0	478.0	634.3	693.3	...	3832
384	Transport equipment	132.4	148.0	158.6	161.8	...	575.2	733.3	930.8	1149.0	...	384
3841	Shipbuilding, repair..	53.9	49.1	36.3	41.4	...	267.5	288.9	265.6	318.3	...	3841
3843	Motor vehicles	70.6	90.0	111.3	111.1	...	282.0	410.6	611.2	774.2	...	3843
385	Professional goods	33.6	38.5	41.8	38.8	...	89.0	116.9	159.7	189.7	...	385
390	Other industries	100.6	107.8	98.7	87.4	...	240.2	313.2	341.1	371.7	...	390
3	Manufacturing	2165.7	2361.6	2425.2	2349.6	...	6187.6	7957.3	9987.9	2023.6	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: including homeworkers.
b/ At 31 December of the year indicated.
c/ Establishments with 5 or more persons engaged.
d/ For classification, see country note.

ISIC	INDUSTRY	7. HOURS WORKED BY OPERATIVES a/ (MILLIONS)					8. QUANTITY OF ELECTRICITY CONSUMED b/ (MILLION KWH)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	92.2	88.6	81.1	71.4	61.5	647	674	715	645	613	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	11.2	9.8	9.5	8.6	7.4	193	158	126	149	160	230
290	Other mining	21.2	18.4	14.7	10.5	8.7	116	121	147	180	237	290
2	Mining, quarrying .	124.7	116.8	105.3	90.5	77.6	957	953	988	974	1010	2
311/2	Food products	190.5	191.4	179.6	166.0	154.5	1866	2090	2414	2654	2984	311/2
313	Beverages	25.4	25.0	24.3	25.3	23.1	256	311	348	418	486	313
314	Tobacco	...	...	...	...	...	63	62	65	63	70	314
321	Textiles	807.6	813.3	751.1	670.0	590.2	6349	7146	7781	7998	8517	321
3211	Spinning,weaving etc.. c/	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	424.1	403.0	358.0	301.3	247.1	256	345	399	403	415	322
323	Leather and products ...	72.5	71.5	65.0	58.9	55.3	160	212	243	259	276	323
324	Footwear	200.0	212.5	219.2	184.6	163.1	129	177	227	232	297	324
331	Wood products	52.1	56.1	53.1	45.7	41.8	267	344	386	372	423	331
332	Furniture, fixtures	40.5	44.2	45.2	44.6	41.1	105	94	128	167	200	332
341	Paper and products	76.7	75.0	74.5	74.1	...	2204	2455	2798	3155	3522	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	57.8	57.0	55.1	53.4	68.5	184	225	271	295	355	342
351	Industrial chemicals ...	66.2	73.5	77.6	77.7	77.6	3717	4113	4837	5436	6685	351
3511	Basic excl fertilizers c/	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc . c/	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	88.0	92.1	94.1	89.6	88.4	966	1057	1185	1221	1421	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	9.7	9.9	11.1	13.5	15.7	336	361	420	495	636	353
354	Petroleum,coal products.	18.8	18.6	18.8	16.9	14.3	106	110	119	109	136	354
355	Rubber products	294.1	292.4	290.8	254.7	253.2	654	729	816	813	907	355
356	Plastic products n.e.c..	91.5	90.6	88.0	81.5	74.6	574	777	943	1007	1138	356
361	Pottery,china etc	38.5	38.1	33.6	29.9	26.2	98	111	133	141	153	361
362	Glass and products	39.5	40.7	37.6	40.0	39.7	364	405	525	592	652	362
369	Non-metal products n.e.c	107.8	105.4	99.6	98.4	100.8	3374	3721	4133	4384	4828	369
371	Iron and steel	102.4	103.8	106.5	101.1	98.4	5113	5667	6273	7004	7758	371
372	Non-ferrous metals	22.3	22.2	20.7	20.1	19.2	1775	2225	2229	2330	2306	372
381	Metal products	291.3	300.5	289.5	269.0	239.7	1140	1307	1441	1569	1872	381
382	Machinery n.e.c.	197.8	218.8	217.2	206.0	192.4	643	717	871	993	1232	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	665.5	780.4	773.3	665.3	583.1	2349	3208	4139	4490	5365	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	338.4	355.1	362.3	361.3	345.9	1674	2104	2567	2813	3433	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	62.8	62.8	55.7	46.0	36.7	103	130	142	166	189	385
390	Other industries	201.2 d/	220.0 d/	200.5 d/	159.0 d/	131.2 e/	301	359	433	470	525	390
3	Manufacturing	4583.0	4773.9	4602.0	4153.9	3721.8	35125	40562	46265	50049	56781	3
410	Electricity,gas,steam ..	9.1	10.0	10.7	10.0	...	191	153	185	196	161	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	1818	1928	2176	2334	2589	420
4	Electricity,gas etc	...	...	...	...	...	2009	2081	2361	2530	2750	4
2-4	All industry	...	...	...	...	...	38090	43596	49615	53553	60541	2-4

a/ Hours worked by employees of establishments with 10 or more persons engaged.
b/ Data derived from the Korea Electric Power Corporation
c/ For classification, see country note.
d/ Excluding major group 314.
e/ Excluding major groups 314 and 341.

KOREA, REPUBLIC OF

ISIC	INDUSTRY	9. OUTPUT IN PRODUCERS' PRICES a/ (BILLION WON)					10. VALUE ADDED IN PRODUCERS' PRICES a/ (BILLION WON)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	836	880	901	766	...	646	685	703	597	...	210
220	Petroleum and gas	-	-	-	-	...	-	-	-	-	...	220
230	Metal ore mining	59	61	60	62	...	37	39	39	41	...	230
290	Other mining	287	358	396	454	...	180	223	246	305	...	290
2	Mining, quarrying .	1182	1298	1357	1282	...	864	947	988	943	...	2
311/2	Food products	7356	8202	9376	10625	...	2073	2379	2740	3244	...	311/2
313	Beverages	1523	1807	2122	2335	...	763	902	1063	1140	...	313
314	Tobacco	1729	1883	2140	2398	...	1349	1478	1684	1896	...	314
321	Textiles	9286	11184	12323	12235	...	3513	4222	4662	4667	...	321
3211	Spinning,weaving etc.. b/	6953	8569	9680	9279	...	2647	3294	3684	3547	...	3211
322	Wearing apparel	3386	4212	4807	5105	...	1393	1676	1917	2102	...	322
323	Leather and products ...	1387	2050	2143	2488	...	343	503	530	607	...	323
324	Footwear	579	673	802	827	...	229	261	309	334	...	324
331	Wood products	853	1040	1332	1387	...	242	295	379	449	...	331
332	Furniture, fixtures	485	597	875	1152	...	206	253	370	480	...	332
341	Paper and products	2484	3137	3660	3995	...	761	964	1117	1232	...	341
3411	Pulp,paper etc.	1366	1632	1923	2142	...	407	495	544	618	...	3411
342	Printing,publishing	1321	1607	1905	2403	...	737	891	1052	1323	...	342
351	Industrial chemicals ...	4514	5337	6571	6775	...	1257	1484	1834	1953	...	351
3511	Basic excl fertilizers b/	2549	3020	3980	3815	...	651	748	976	1010	...	3511
3513	Synthetic resins etc . b/	2268	2863	3692	3715	...	621	783	986	1034	...	3513
352	Other chemical products.	2973	4054	4722	5848	...	1417	1929	2251	2793	...	352
3522	Drugs and medicines ..	1362	1497	1834	1927	...	762	875	1040	1164	...	3522
353	Petroleum refineries ...	5390	5696	5530	5736	...	994	1032	1235	1306	...	353
354	Petroleum,coal products.	1369	1428	1449	1429	...	289	302	316	337	...	354
355	Rubber products	2820	3499	4168	4144	...	1041	1294	1531	1770	...	355
356	Plastic products n.e.c..	2234	2929	3781	4048	...	764	991	1292	1470	...	356
361	Pottery,china etc	182	221	236	265	...	115	141	151	171	...	361
362	Glass and products	701	716	840	900	...	343	348	406	467	...	362
369	Non-metal products n.e.c	2846	3306	4035	4739	...	1096	1263	1538	1908	...	369
371	Iron and steel	6475	7833	9207	10692	...	2006	2427	2861	3332	...	371
372	Non-ferrous metals	1503	1847	2576	2822	...	376	461	643	715	...	372
381	Metal products	3552	4503	5974	7061	...	1441	1806	2390	2844	...	381
382	Machinery n.e.c.	4361	5632	7377	8835	...	1785	2327	3056	3676	...	382
3825	Office,computing etc..	666	690	1000	1069	...	267	268	425	403	...	3825
383	Electrical machinery ...	12077	16731	20496	21988	...	4443	5961	7358	8331	...	383
3832	Radio,television etc..	6387	8563	9615	10045	...	2406	2959	3064	3287	...	3832
384	Transport equipment	7835	10143	11679	13957	...	2760	3487	3909	4673	...	384
3841	Shipbuilding, repair..	2939	2634	2166	2589	...	1033	953	680	831	...	3841
3843	Motor vehicles	4570	7097	8894	10767	...	1617	2404	3012	3584	...	3843
385	Professional goods	856	1167	1534	1676	...	355	464	631	697	...	385
390	Other industries	1870	2471	2671	2613	...	791	1027	1117	1143	...	390
3	Manufacturing	91947	113905	134331	148478	...	32882	40568	48342	55060	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.

b/ For classification, see country note.

ISIC	INDUSTRY	11. GROSS FIXED CAPITAL FORMATION TOTAL a/b/ (BILLION WON)					12. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/b/ (BILLION WON)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	131	145	107	115	...	30.0	43.8	27.3	114.4	...	210
220	Petroleum and gas	-	-	-	-	...	-	-	-	-	...	220
230	Metal ore mining	10	9	9	11	...	2.5	3.0	2.2	10.9	...	230
290	Other mining	33	43	48	72	...	15.0	19.8	23.2	53.1	...	290
2	Mining, quarrying .	173	197	164	198	...	47.4	66.7	52.7	178.4	...	2
311/2	Food products	529	536	645	790	...	313.8	333.7	407.9	734.9	...	311/2
313	Beverages	113	167	127	178	...	80.3	93.2	75.5	160.9	...	313
314	Tobacco	23	29	10	18	...	13.7	25.1	8.5	18.5	...	314
321	Textiles	721	1282	1157	1224	...	499.7	920.8	781.0	1120.5	...	321
3211	Spinning,weaving etc.. c/	570	1019	1020	976	...	401.3	746.0	696.8	809.5	...	3211
322	Wearing apparel	110	117	145	199	...	54.7	63.8	67.3	166.5	...	322
323	Leather and products ...	63	77	88	90	...	29.6	37.8	37.8	82.1	...	323
324	Footwear	24	32	34	32	...	16.0	18.6	18.1	31.0	...	324
331	Wood products	38	51	71	86	...	18.1	25.2	22.3	75.2	...	331
332	Furniture, fixtures	31	35	46	88	...	14.9	15.9	21.4	74.0	...	332
341	Paper and products	244	275	301	503	...	166.0	183.2	185.4	478.4	...	341
3411	Pulp,paper etc.	161	183	163	341	...	111.8	123.2	95.7	328.6	...	3411
342	Printing,publishing	55	84	178	183	...	35.7	59.2	104.3	148.6	...	342
351	Industrial chemicals ...	468	565	766	1377	...	391.1	412.2	597.9	1328.8	...	351
3511	Basic excl fertilizers c/	231	325	399	982	...	195.0	235.1	311.2	952.5	...	3511
3513	Synthetic resins etc . c/	277	289	505	768	...	247.3	218.6	414.8	548.7	...	3513
352	Other chemical products.	185	474	353	452	...	84.2	298.1	221.4	419.2	...	352
3522	Drugs and medicines ..	90	64	128	115	...	38.9	30.9	58.2	100.0	...	3522
353	Petroleum refineries ...	111	106	401	959	...	89.3	49.7	319.0	935.3	...	353
354	Petroleum,coal products.	38	36	35	78	...	22.7	18.8	17.8	50.0	...	354
355	Rubber products	147	251	343	490	...	92.5	171.8	236.2	457.8	...	355
356	Plastic products n.e.c..	211	233	395	459	...	140.9	155.1	271.7	526.7	...	356
361	Pottery,china etc	20	28	22	30	...	12.1	15.1	13.3	27.5	...	361
362	Glass and products	133	83	196	80	...	93.4	60.5	166.5	85.0	...	362
369	Non-metal products n.e.c	300	282	414	596	...	168.9	143.1	227.6	521.2	...	369
371	Iron and steel	601	2630	1108	1261	...	472.2	2005.0	774.3	1106.4	...	371
372	Non-ferrous metals	117	149	308	188	...	79.5	105.6	206.1	178.9	...	372
381	Metal products	219	344	476	534	...	135.3	221.0	254.2	487.7	...	381
382	Machinery n.e.c.	500	516	632	844	...	343.2	322.9	416.7	769.4	...	382
3825	Office,computing etc..	175	58	56	57	...	134.2	31.5	35.8	48.4	...	3825
383	Electrical machinery ...	1392	1793	1977	2317	...	1020.3	1256.1	1441.4	2199.0	...	383
3832	Radio,television etc..	518	633	622	674	...	387.8	414.4	429.0	633.0	...	3832
384	Transport equipment	1209	1262	1359	1821	...	836.0	961.5	993.9	1553.2	...	384
3841	Shipbuilding, repair..	195	99	131	529	...	106.0	57.6	77.0	327.7	...	3841
3843	Motor vehicles	947	1116	1176	1242	...	688.3	873.4	886.3	1178.8	...	3843
385	Professional goods	72	71	112	141	...	42.5	48.8	74.1	109.5	...	385
390	Other industries	98	133	123	140	...	46.6	69.2	62.3	122.5	...	390
3	Manufacturing	7772	11645	11822	15157	...	5313.2	8091.0	8023.9	3968.7	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.
b/ The value of sales is not deducted.
c/ For classification, see country note.

KOREA, REPUBLIC OF

13. VALUE OF STOCKS AT END OF PERIOD
TOTAL a/
(BILLION WON)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	27	38	51	50	...	210
220	Petroleum and gas	-	-	-	-	...	220
230	Metal ore mining	6	7	8	5	...	230
290	Other mining	17	25	27	28	...	290
2	Mining, quarrying .	50	70	86	83	...	2
311/2	Food products	710	697	860	968	...	311/2
313	Beverages	148	178	177	249	...	313
314	Tobacco	467	519	393	412	...	314
321	Textiles	1210	1433	1694	1895	...	321
3211	Spinning,weaving etc.. b/	948	1134	1384	1487	...	3211
322	Wearing apparel	408	465	528	633	...	322
323	Leather and products ...	148	262	238	332	...	323
324	Footwear	100	94	107	143	...	324
331	Wood products	113	122	161	202	...	331
332	Furniture, fixtures	88	88	122	166	...	332
341	Paper and products	238	282	308	383	...	341
3411	Pulp,paper etc.	145	159	173	226	...	3411
342	Printing,publishing	103	131	124	166	...	342
351	Industrial chemicals ...	408	476	628	681	...	351
3511	Basic excl fertilizers b/	179	216	332	313	...	3511
3513	Synthetic resins etc . b/	187	231	370	382	...	3513
352	Other chemical products.	438	625	652	793	...	352
3522	Drugs and medicines ..	220	226	273	276	...	3522
353	Petroleum refineries ...	473	358	449	504	...	353
354	Petroleum,coal products.	215	235	235	233	...	354
355	Rubber products	333	349	364	426	...	355
356	Plastic products n.e.c..	210	262	354	404	...	356
361	Pottery,china etc	31	35	43	43	...	361
362	Glass and products	100	84	90	117	...	362
369	Non-metal products n.e.c	268	282	284	330	...	369
371	Iron and steel	781	988	1280	1613	...	371
372	Non-ferrous metals	217	312	416	443	...	372
381	Metal products	446	533	768	848	...	381
382	Machinery n.e.c.	683	837	1012	1424	...	382
3825	Office,computing etc..	135	107	134	165	...	3825
383	Electrical machinery ...	1768	2201	2774	3192	...	383
3832	Radio,television etc..	987	1175	1310	1380	...	3832
384	Transport equipment	691	1183	1315	1443	...	384
3841	Shipbuilding, repair..	198	433	310	329	...	3841
3843	Motor vehicles	447	684	900	1039	...	3843
385	Professional goods	129	153	210	294	...	385
390	Other industries	209	254	277	319	...	390
3	Manufacturing	11133	13438	15863	18656	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.

b/ For classification, see country note.

14. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	95	89	97	111	118	117	115	96	80	-2.8	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	98	101	105	99	95	86	77	74	63	-5.6	230
290	Other mining ..... b/	104	127	133	138	155	166	170	172	176	7.3	290
2	Mining, quarrying . b/	97	98	105	115	123	125	124	112	101	0.1	2
311/2	Food products	119	139	150	164	185	205	221	227	239	11.5	311/2
313	Beverages	110	110	120	121	126	143	177	209	225	10.7	313
314	Tobacco	104	110	114	110	114	117	123	122	130	3.3	314
321	Textiles	114	118	123	123	148	165	170	165	164	6.4	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	123	139	150	153	176	214	212	201	194	8.6	322
323	Leather and products ...	142	165	176	167	243	285	254	242	232	11.1	323
324	Footwear	113	122	133	127	159	190	191	196	203	9.3	324
331	Wood products	102	125	120	113	122	137	138	142	148	5.0	331
332	Furniture, fixtures	156	199	238	216	234	272	354	382	378	18.1	332
341	Paper and products	119	138	144	147	182	216	245	261	278	13.6	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	103	102	104	112	134	143	156	181	194	8.6	342
351	Industrial chemicals ...	102	116	126	129	144	166	193	203	244	11.8	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	123	142	161	172	186	229	294	314	353	17.1	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	95	112	114	117	124	124	146	170	181	7.7	353
354	Petroleum,coal products.	118	123	144	155	165	172	186	175	184	7.9	354
355	Rubber products	99	120	158	158	194	222	239	203	229	10.9	355
356	Plastic products n.e.c..	93	124	145	154	174	212	245	241	244	11.8	356
361	Pottery,china etc	115	128	124	122	148	159	159	149	129	3.2	361
362	Glass and products	102	135	160	171	198	222	266	289	308	15.1	362
369	Non-metal products n.e.c	107	136	147	148	169	195	219	251	271	13.3	369
371	Iron and steel	136	152	169	174	188	213	229	255	286	14.0	371
372	Non-ferrous metals	175	216	233	251	312	368	402	411	458	21.0	372
381	Metal products	137	150	186	180	219	231	242	251	271	13.3	381
382	Machinery n.e.c.	146	211	260	300	414	543	609	678	779	29.3	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	128	180	235	255	397	552	693	692	740	28.4	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	156	164	254	271	334	438	543	573	705	27.7	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	101	111	127	126	198	288	306	284	340	16.5	385
390	Other industries	107	127	150	146	178	225	221	194	184	7.9	390
3	Manufacturing	120	139	161	167	204	245	278	286	312	15.3	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	116	131	144	156	174	199	229	254	289	14.2	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry b/c/	118	137	158	164	199	237	269	277	302	14.8	2-4

a/ Annual growth rate 1982-1990.
b/ Excluding saltern operations.
c/ Excluding gas and steam.

KUWAIT

The information in the tables is based on the reply to the United Nations Questionnaire on General industrial Statistics from the Central Statistical Office, Ministry of Planning, Safat. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The data in the tables are derived from the industrial survey taken annually by the Central Statistical Office. The survey covers all industrial establishments in the private and public sectors, including joint (private and public) ownership, enaged in the exploration and production of crude petroleum and natural gas, other mining and quarrying and manufacturing. The establishments are covered on a census-cum-sample basis as follows: (a) census coverage of all establishments with 10 or more employees as well as establishments in those activities (as defined by a 5-digit code based on ISIC) containing less than 20 establishments; (b) sample coverage of all establishments not covered by the census. These establishments are divided into two groups according to employment size 5-9 and 1-4 and samples are taken from both groups. The period of reference is the calendar year. However, where data are available only on the basis of an accounting year different from the calendar year, the data are incorporated in the calendar year in which the major part of the accounting year falls. For establishments in the petroleum sector, estimates for the calendar year are made on the basis of the average of the two fiscal years. The data in the tables are based on the International Standard Industrial Classification (ISIC).

The value of output comprises (a) the value of all products of the establishment, (b) receipts for industrial work done for or services rendered to others, (c) the value of goods shipped in the same condition as received, less the cost of these goods, (d) the value of fixed assets produced by the establishment for its own use and (e) changes in stocks of finished goods. Value added is estimated by subtracting the cost of materials, fuels, electricity and water consumed and the cost of industrial services rendered by others from the value of output. Valuation of output and value added is in producers' prices.

Related national publications:

Annual Survey of Industries and Statistical Abstract (annual), both published by the Central Statistical Office, Ministry of Planning, Kuwait City.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	...	...	...	-	-	...	...	...	210
220	Petroleum and gas	3	3	...	...	...	5244	5409	...	...	...	220
230	Metal ore mining	-	-	...	...	...	-	-	...	...	...	230
290	Other mining	1	21	...	...	...	23	240	...	...	...	290
2	Mining, quarrying .	4	24	...	...	...	5267	5649	...	...	...	2
311/2	Food products	475	288	...	...	...	6988	7128	...	...	...	311/2
313	Beverages	7	8	...	...	...	1895	1893	...	...	...	313
314	Tobacco	-	-	...	...	...	-	-	...	...	...	314
321	Textiles	142	237	...	...	...	710	1023	...	...	...	321
3211	Spinning,weaving etc..	-	-	...	...	...	-	-	...	...	...	3211
322	Wearing apparel	1942	1984	...	...	...	8160	10551	...	...	...	322
323	Leather and products ...	-	-	...	...	...	-	-	...	...	...	323
324	Footwear	-	-	...	...	...	-	-	...	...	...	324
331	Wood products	50	74	...	...	...	1133	1171	...	...	...	331
332	Furniture, fixtures	285	321	...	...	...	2293	2840	...	...	...	332
341	Paper and products	12	16	...	...	...	735	885	...	...	...	341
3411	Pulp,paper etc.	-	-	...	...	...	-	-	...	...	...	3411
342	Printing,publishing	36	63	...	...	...	3081	3373	...	...	...	342
351	Industrial chemicals ...	7	8	...	...	...	1987	1988	...	...	...	351
3511	Basic excl fertilizers	5	7	...	...	...	199	289	...	...	...	3511
3513	Synthetic resins etc .	1	1	...	...	...	-	-	...	...	...	3513
352	Other chemical products.	11	15	...	...	...	627	1092	...	...	...	352
3522	Drugs and medicines ..	-	1	...	...	...	-	417	...	...	...	3522
353	Petroleum refineries ...	1	1	...	...	...	5468	5690	...	...	...	353
354	Petroleum,coal products.	3	3	...	...	...	73	103	...	...	...	354
355	Rubber products	5	5	...	...	...	230	253	...	...	...	355
356	Plastic products n.e.c..	17	24	...	...	...	1301	1606	...	...	...	356
361	Pottery,china etc	-	-	...	...	...	-	-	...	...	...	361
362	Glass and products	10	15	...	...	...	111	380	...	...	...	362
369	Non-metal products n.e.c	88	122	...	...	...	4744	5455	...	...	...	369
371	Iron and steel	5	4	...	...	...	684	716	...	...	...	371
372	Non-ferrous metals	-	-	...	...	...	-	-	...	...	...	372
381	Metal products	609	661	...	...	...	4527	5991	...	...	...	381
382	Machinery n.e.c.	16	28	...	...	...	1798	2188	...	...	...	382
3825	Office,computing etc..	-	-	...	...	...	-	-	...	...	...	3825
383	Electrical machinery ...	22	26	...	...	...	581	823	...	...	...	383
3832	Radio,television etc..	-	-	...	...	...	-	-	...	...	...	3832
384	Transport equipment	22	23	...	...	...	1125	1111	...	...	...	384
3841	Shipbuilding, repair..	6	9	...	...	...	593	581	...	...	...	3841
3843	Motor vehicles	16	14	...	...	...	532	530	...	...	...	3843
385	Professional goods	-	-	...	...	...	-	-	...	...	...	385
390	Other industries	71	192	...	...	...	289	903	...	...	...	390
3	Manufacturing	3836	4118	...	...	...	48540	57163	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

KUWAIT

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES (NUMBER)					4. WAGES AND SALARIES OF EMPLOYEES (THOUSAND DINARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	...	...	...	-	-	...	...	...	210
220	Petroleum and gas	5244	5409	...	...	...	59329	60114	...	...	...	220
230	Metal ore mining	-	-	...	...	...	-	-	...	...	...	230
290	Other mining	23	227	...	...	...	48	406	...	...	...	290
2	Mining, quarrying .	5267	5636	...	...	...	59377	60520	...	...	...	2
311/2	Food products	6485	6875	...	...	...	15833	15393	...	...	...	311/2
313	Beverages	1893	1893	...	...	...	4444	3810	...	...	...	313
314	Tobacco	-	-	...	...	...	-	-	...	...	...	314
321	Textiles	547	809	...	...	...	1068	1765	...	...	...	321
3211	Spinning,weaving etc..	-	-	...	...	...	-	-	...	...	...	3211
322	Wearing apparel	6200	8981	...	...	...	11597	18661	...	...	...	322
323	Leather and products ...	-	-	...	...	...	-	-	...	...	...	323
324	Footwear	-	-	...	...	...	-	-	...	...	...	324
331	Wood products	1085	1101	...	...	...	2039	2527	...	...	...	331
332	Furniture, fixtures	2010	2524	...	...	...	4471	5540	...	...	...	332
341	Paper and products	731	880	...	...	...	1919	2400	...	...	...	341
3411	Pulp,paper etc.	-	-	...	...	...	-	-	...	...	...	3411
342	Printing,publishing	3052	3338	...	...	...	9630	10224	...	...	...	342
351	Industrial chemicals ...	1984	1986	...	...	...	17027	16660	...	...	...	351
3511	Basic excl fertilizers	196	287	...	...	...	664	1027	...	...	...	3511
3513	Synthetic resins etc .	-	-	...	...	...	-	-	...	...	...	3513
352	Other chemical products.	621	1087	...	...	...	1761	3070	...	...	...	352
3522	Drugs and medicines ..	-	...	...	...	...	-	1025	...	...	...	3522
353	Petroleum refineries ...	5468	5690	...	...	...	59204	61859	...	...	...	353
354	Petroleum,coal products.	73	102	...	...	...	190	300	...	...	...	354
355	Rubber products	226	248	...	...	...	413	452	...	...	...	355
356	Plastic products n.e.c..	1292	1601	...	...	...	3326	3729	...	...	...	356
361	Pottery,china etc	-	-	...	...	...	-	-	...	...	...	361
362	Glass and products	102	368	...	...	...	443	1482	...	...	...	362
369	Non-metal products n.e.c	4671	5385	...	...	...	11630	13282	...	...	...	369
371	Iron and steel	683	715	...	...	...	1414	1544	...	...	...	371
372	Non-ferrous metals	-	-	...	...	...	-	-	...	...	...	372
381	Metal products	3950	5526	...	...	...	10665	12879	...	...	...	381
382	Machinery n.e.c.	1785	2165	...	...	...	5643	6712	...	...	...	382
3825	Office,computing etc..	-	-	...	...	...	-	-	...	...	...	3825
383	Electrical machinery ...	562	810	...	...	...	1645	2177	...	...	...	383
3832	Radio,television etc..	-	-	...	...	...	-	-	...	...	...	3832
384	Transport equipment	1105	1093	...	...	...	4271	2737	...	...	...	384
3841	Shipbuilding, repair..	588	572	...	...	...	2767	1511	...	...	...	3841
3843	Motor vehicles	517	521	...	...	...	1504	1226	...	...	...	3843
385	Professional goods	-	-	...	...	...	-	-	...	...	...	385
390	Other industries	239	812	...	...	...	610	1616	...	...	...	390
3	Manufacturing	44764	53989	...	...	...	169243	188819	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES (THOUSAND DINARS)					6. AVERAGE NUMBER OF OPERATIVES (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	...	...	...	-	-	...	...	...	210
220	Petroleum and gas	6350	6414	...	...	...	3555	2366	...	...	...	220
230	Metal ore mining	-	-	...	...	...	-	-	...	...	...	230
290	Other mining	2	1	...	...	...	22	185	...	...	...	290
2	Mining, quarrying .	6352	6415	...	...	...	3577	2551	...	...	...	2
311/2	Food products	701	909	...	...	...	5047	5416	...	...	...	311/2
313	Beverages	166	188	...	...	...	572	755	...	...	...	313
314	Tobacco	-	-	...	...	...	-	-	...	...	...	314
321	Textiles	27	22	...	...	...	494	756	...	...	...	321
3211	Spinning,weaving etc..	-	-	...	...	...	-	-	...	...	...	3211
322	Wearing apparel	10	56	...	...	...	6148	8923	...	...	...	322
323	Leather and products ...	-	-	...	...	...	-	-	...	...	...	323
324	Footwear	-	-	...	...	...	-	-	...	...	...	324
331	Wood products	127	102	...	...	...	920	938	...	...	...	331
332	Furniture, fixtures	90	174	...	...	...	1782	2229	...	...	...	332
341	Paper and products	140	155	...	...	...	558	650	...	...	...	341
3411	Pulp,paper etc.	-	-	...	...	...	-	-	...	...	...	3411
342	Printing,publishing	572	445	...	...	...	1967	2142	...	...	...	342
351	Industrial chemicals ...	2354	1846	...	...	...	1398	1450	...	...	...	351
3511	Basic excl fertilizers	51	67	...	...	...	94	185	...	...	...	3511
3513	Synthetic resins etc .	-	-	...	...	...	-	-	...	...	...	3513
352	Other chemical products.	166	374	...	...	...	377	625	...	...	...	352
3522	Drugs and medicines ..	-	...	...	...	...	-	...	...	...	...	3522
353	Petroleum refineries ...	5901	5591	...	...	...	4504	4667	...	...	...	353
354	Petroleum,coal products.	24	9	...	...	...	63	64	...	...	...	354
355	Rubber products	40	61	...	...	...	176	196	...	...	...	355
356	Plastic products n.e.c..	221	271	...	...	...	1011	1192	...	...	...	356
361	Pottery,china etc	-	-	...	...	...	-	-	...	...	...	361
362	Glass and products	3	78	...	...	...	79	295	...	...	...	362
369	Non-metal products n.e.c	762	961	...	...	...	3600	3963	...	...	...	369
371	Iron and steel	77	114	...	...	...	572	586	...	...	...	371
372	Non-ferrous metals	-	-	...	...	...	-	-	...	...	...	372
381	Metal products	546	662	...	...	...	3293	4556	...	...	...	381
382	Machinery n.e.c.	349	248	...	...	...	1567	1896	...	...	...	382
3825	Office,computing etc..	-	-	...	...	...	-	-	...	...	...	3825
383	Electrical machinery ...	122	234	...	...	...	444	613	...	...	...	383
3832	Radio,television etc..	-	-	...	...	...	-	-	...	...	...	3832
384	Transport equipment	378	263	...	...	...	942	883	...	...	...	384
3841	Shipbuilding, repair..	236	135	...	...	...	510	470	...	...	...	3841
3843	Motor vehicles	142	128	...	...	...	432	413	...	...	...	3843
385	Professional goods	-	-	...	...	...	-	-	...	...	...	385
390	Other industries	3	20	...	...	...	230	734	...	...	...	390
3	Manufacturing	12779	12783	...	...	...	35744	43529	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

KUWAIT

ISIC	INDUSTRY	7. HOURS WORKED BY OPERATIVES a/ (THOUSANDS)					8. OUTPUT IN PRODUCERS' PRICES (MILLION DINARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	...	...	...	-	-	...	...	...	210
220	Petroleum and gas	142	94	...	...	...	1714.4	2341.6	...	...	...	220
230	Metal ore mining	-	-	...	...	...	-	-	...	...	...	230
290	Other mining	1	8	...	...	...	0.3	1.4	...	...	...	290
2	Mining, quarrying .	143	103	...	...	...	1714.6	2343.0	...	...	...	2
311/2	Food products	244	261	...	...	...	82.5	83.9	...	...	...	311/2
313	Beverages	27	36	...	...	...	19.8	22.4	...	...	...	313
314	Tobacco	-	-	...	...	...	-	-	...	...	...	314
321	Textiles	23	37	...	...	...	6.2	8.9	...	...	...	321
3211	Spinning,weaving etc..	-	-	...	...	...	-	-	...	...	...	3211
322	Wearing apparel	296	433	...	...	...	34.7	45.3	...	...	...	322
323	Leather and products ...	-	-	...	...	...	-	-	...	...	...	323
324	Footwear	-	-	...	...	...	-	-	...	...	...	324
331	Wood products	44	44	...	...	...	7.1	8.4	...	...	...	331
332	Furniture, fixtures	85	107	...	...	...	18.0	22.0	...	...	...	332
341	Paper and products	27	31	...	...	...	12.9	16.6	...	...	...	341
3411	Pulp,paper etc.	-	-	...	...	...	-	-	...	...	...	3411
342	Printing,publishing	94	102	...	...	...	27.7	32.1	...	...	...	342
351	Industrial chemicals ...	57	59	...	...	...	32.8	37.1	...	...	...	351
3511	Basic excl fertilizers	5	8	...	...	...	3.1	6.6	...	...	...	3511
3513	Synthetic resins etc .	-	-	...	...	...	-	-	...	...	...	3513
352	Other chemical products.	18	30	...	...	...	13.3	15.8	...	...	...	352
3522	Drugs and medicines ..	-	...	...	...	...	-	...	...	...	...	3522
353	Petroleum refineries ...	216	224	...	...	...	1083.4	1499.5	...	...	...	353
354	Petroleum,coal products.	3	3	...	...	...	1.2	1.6	...	...	...	354
355	Rubber products	8	9	...	...	...	3.4	3.7	...	...	...	355
356	Plastic products n.e.c..	49	57	...	...	...	15.5	19.8	...	...	...	356
361	Pottery,china etc	-	-	...	...	...	-	-	...	...	...	361
362	Glass and products	4	14	...	...	...	1.8	5.7	...	...	...	362
369	Non-metal products n.e.c	170	189	...	...	...	79.1	82.5	...	...	...	369
371	Iron and steel	27	28	...	...	...	7.7	8.6	...	...	...	371
372	Non-ferrous metals	-	-	...	...	...	-	-	...	...	...	372
381	Metal products	158	219	...	...	...	54.5	57.0	...	...	...	381
382	Machinery n.e.c.	75	90	...	...	...	13.9	13.5	...	...	...	382
3825	Office,computing etc..	-	-	...	...	...	-	-	...	...	...	3825
383	Electrical machinery ...	21	29	...	...	...	16.3	18.3	...	...	...	383
3832	Radio,television etc..	-	-	...	...	...	-	-	...	...	...	3832
384	Transport equipment	45	42	...	...	...	12.0	8.4	...	...	...	384
3841	Shipbuilding, repair..	25	22	...	...	...	7.4	4.0	...	...	...	3841
3843	Motor vehicles	21	19	...	...	...	4.6	4.4	...	...	...	3843
385	Professional goods	-	-	...	...	...	-	-	...	...	...	385
390	Other industries	11	35	...	...	...	3.2	5.0	...	...	...	390
3	Manufacturing	1702	2086	...	...	...	1548.0	2016.7	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Refer to weekly hours.

ISIC	INDUSTRY	9. VALUE ADDED IN PRODUCERS' PRICES (MILLION DINARS)					10. GROSS FIXED CAPITAL FORMATION TOTAL (THOUSAND DINARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	...	...	...	-	-	...	...	...	210
220	Petroleum and gas	1679.0	2311.1	...	...	...	47324	41556	...	...	...	220
230	Metal ore mining	-	-	...	...	...	-	-	...	...	...	230
290	Other mining	0.1	0.9	...	...	...	15	-	...	...	...	290
2	Mining, quarrying .	1679.1	2312.0	...	...	...	47339	41556	...	...	...	2
311/2	Food products	32.8	36.6	...	...	...	2443	2854	...	...	...	311/2
313	Beverages	8.9	7.0	...	...	...	1736	1179	...	...	...	313
314	Tobacco	-	-	...	...	...	-	-	...	...	...	314
321	Textiles	2.6	4.1	...	...	...	1075	297	...	...	...	321
3211	Spinning,weaving etc..	-	-	...	...	...	-	-	...	...	...	3211
322	Wearing apparel	24.9	32.1	...	...	...	3	139	...	...	...	322
323	Leather and products ...	-	-	...	...	...	-	-	...	...	...	323
324	Footwear	-	-	...	...	...	-	-	...	...	...	324
331	Wood products	2.5	3.4	...	...	...	37	87	...	...	...	331
332	Furniture, fixtures	8.4	9.7	...	...	...	284	120	...	...	...	332
341	Paper and products	4.9	5.6	...	...	...	1494	632	...	...	...	341
3411	Pulp,paper etc.	-	-	...	...	...	-	-	...	...	...	3411
342	Printing,publishing	13.7	15.8	...	...	...	2050	5042	...	...	...	342
351	Industrial chemicals ...	17.8	21.4	...	...	...	7883	2182	...	...	...	351
3511	Basic excl fertilizers	1.4	2.3	...	...	...	297	662	...	...	...	3511
3513	Synthetic resins etc .	-	-	...	...	...	-	-	...	...	...	3513
352	Other chemical products.	4.6	5.5	...	...	...	298	514	...	...	...	352
3522	Drugs and medicines ..	-	...	...	...	...	-	136	...	...	...	3522
353	Petroleum refineries ...	385.8	564.6	...	...	...	200221	278995	...	...	...	353
354	Petroleum,coal products.	0.5	0.6	...	...	...	3	8	...	...	...	354
355	Rubber products	1.2	1.2	...	...	...	24	61	...	...	...	355
356	Plastic products n.e.c..	7.2	8.5	...	...	...	-212	1103	...	...	...	356
361	Pottery,china etc	-	-	...	...	...	-	-	...	...	...	361
362	Glass and products	0.6	2.3	...	...	...	-	299	...	...	...	362
369	Non-metal products n.e.c	32.7	32.4	...	...	...	2544	2856	...	...	...	369
371	Iron and steel	3.5	4.3	...	...	...	1010	1371	...	...	...	371
372	Non-ferrous metals	-	-	...	...	...	-	-	...	...	...	372
381	Metal products	22.8	24.6	...	...	...	239	690	...	...	...	381
382	Machinery n.e.c.	8.4	8.7	...	...	...	711	1868	...	...	...	382
3825	Office,computing etc..	-	-	...	...	...	-	-	...	...	...	3825
383	Electrical machinery ...	5.4	6.2	...	...	...	667	721	...	...	...	383
3832	Radio,television etc..	-	-	...	...	...	-	-	...	...	...	3832
384	Transport equipment	4.9	3.6	...	...	...	50	121	...	...	...	384
3841	Shipbuilding, repair..	4.2	2.4	...	...	...	19	94	...	...	...	3841
3843	Motor vehicles	0.7 a/	1.2	...	...	...	31	27	...	...	...	3843
385	Professional goods	-	-	...	...	...	-	-	...	...	...	385
390	Other industries	1.0	3.0	...	...	...	2	4	...	...	...	390
3	Manufacturing	596.0	801.7	...	...	...	222562	301143	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Value added is less than corresponding wages and salaries due to operating losses.

KUWAIT

ISIC	INDUSTRY	11. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT (THOUSAND DINARS)					12. VALUE OF STOCKS AT END OF PERIOD TOTAL (THOUSAND DINARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	...	...	...	-	-	...	...	...	210
220	Petroleum and gas	13384	14100	...	...	...	49746	48050	...	...	...	220
230	Metal ore mining	-	-	...	...	...	-	-	...	...	...	230
290	Other mining	-15	1	...	...	...	12	9	...	...	...	290
2	Mining, quarrying .	13369	14101	...	...	...	49758	48059	...	...	...	2
311/2	Food products	3632	1870	...	...	...	16114	19017	...	...	...	311/2
313	Beverages	916	463	...	...	...	7687	6759	...	...	...	313
314	Tobacco	-	-	...	...	...	-	-	...	...	...	314
321	Textiles	498	99	...	...	...	1850	871	...	...	...	321
3211	Spinning,weaving etc..	-	-	...	...	...	-	-	...	...	...	3211
322	Wearing apparel	1	78	...	...	...	551	572	...	...	...	322
323	Leather and products ...	-	-	...	...	...	-	-	...	...	...	323
324	Footwear	-	-	...	...	...	-	-	...	...	...	324
331	Wood products	13	43	...	...	...	3345	4002	...	...	...	331
332	Furniture, fixtures	83	21	...	...	...	2672	4819	...	...	...	332
341	Paper and products	1146	401	...	...	...	3061	4975	...	...	...	341
3411	Pulp,paper etc.	-	-	...	...	...	-	-	...	...	...	3411
342	Printing,publishing	1448	4478	...	...	...	4266	4160	...	...	...	342
351	Industrial chemicals ...	-1591	1330	...	...	...	20138	20742	...	...	...	351
3511	Basic excl fertilizers	155	404	...	...	...	685	1670	...	...	...	3511
3513	Synthetic resins etc .	-	-	...	...	...	-	-	...	...	...	3513
352	Other chemical products	169	4514	.	.	.	3512	5361	...	...	...	352
3522	Drugs and medicines ..	-	...	...	...	...	-	...	...	...	...	3522
353	Petroleum refineries ...	144785	87844	...	...	...	143725	164138	...	...	...	353
354	Petroleum,coal products.	2	8	...	...	...	128	199	...	...	...	354
355	Rubber products	25	37	...	...	...	652	1033	...	...	...	355
356	Plastic products n.e.c..	1163	751	...	...	...	5633	6499	...	...	...	356
361	Pottery,china etc	-	-	...	...	...	-	-	...	...	...	361
362	Glass and products	-	210	...	...	...	618	1859	...	...	...	362
369	Non-metal products n.e.c	1722	2117	...	...	...	20330	18343	...	...	...	369
371	Iron and steel	138	1010	...	...	...	3079	3122	...	...	...	371
372	Non-ferrous metals	-	-	...	...	...	-	-	...	...	...	372
381	Metal products	29	141	...	...	...	11926	13873	...	...	...	381
382	Machinery n.e.c.	258	714	...	...	...	4500	4689	...	...	...	382
3825	Office,computing etc..	-	-	...	...	...	-	-	...	...	...	3825
383	Electrical machinery ...	591	351	...	...	...	5872	6845	...	...	...	383
3832	Radio,television etc..	-	-	...	...	...	-	-	...	...	...	3832
384	Transport equipment	131	78	...	...	...	5502	5286	...	...	...	384
3841	Shipbuilding, repair..	107	74	...	...	...	1898	1577	...	...	...	3841
3843	Motor vehicles	24	4	...	...	...	3604	3709	...	...	...	3843
385	Professional goods	-	-	...	...	...	-	-	...	...	...	385
390	Other industries	1	3	...	...	...	275	313	...	...	...	390
3	Manufacturing	155160	106561	...	...	...	265936	297477	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

LESOTHO

The information in the tables is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Bureau of Statistics, Maseru.

The data in the tables are derived from the annual survey of industrial production undertaken by the Bureau of Statistics. The survey covers all government and private establishments excluding home industries. Data for mining and quarrying are estimates based on exports. For manufacturing, the Survey covers all establishments with 5 or more persons engaged, including the small indigenous establishments assisted by the Basotho Enterprises Development Corporation. The coverage is about 83 percent of the value added emanating from that sector and 60 percent of the employment, when compared with figures from the Labour Force Survey which includes self-employment. No adjustment has been made for non-response.

The data are classified according to the present version of ISIC. The concepts and definitions used are generally in accordance with the United Nations standards, although the following points should be noted:

Reference period is the fiscal year, 1 April of the year indicated to 31 March of the following year. However, for a few establishments that follow a different fiscal year, statistics are shown against the calendar year in which the major part of the accounting year falls.

Wages and salaries include employer's contribution to pension, medical and similar schemes.

Related national publication:

Census of Industrial Production published by the Bureau of Statistics, Maseru.

LESOTHO

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	2	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	2	...	...	...	...	...	2
311/2	Food products	[11	12]	...	...	[26]	...	...	...	...	[3015]	311/2
313	Beverages			...	...		...	...	...	...		313
314	Tobacco	...	...	...	...	...	...	...	...	...	...	314
321	Textiles	a/ 23	a/ 24	...	...	b/ 351	...	...	...	...	b/ 8245	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	a/	a/	...	...	b/	...	...	...	...	b/	322
323	Leather and products ...	a/	a/	...	...	[55]	...	...	...	...	[2528]	323
324	Footwear	a/	a/	...	...		...	...	...	...		324
331	Wood products	14	11	...	...	92	...	...	...	...	[896]	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...		332
341	Paper and products ..... c/	4	4	...	...	6	...	...	...	...	362	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... c/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	...	...	...	...	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	4	4	...	...	14	...	...	...	...	578	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	6	7	...	...	41	...	...	...	...	1098	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	11	12	...	...	74	...	...	...	...	1143	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries ..... d/	7	7	...	...	29	...	...	...	...	763	390
3	Manufacturing ..... e/	80	81	...	...	688	...	...	...	...	18628	3
410	Electricity,gas,steam ..	1	1	1	1	1	458	470	463	489	547	410
4101	Electricity	1	1	1	1	1	458	470	463	489	547	4101
420	Water works and supply .	1	1	1	1	1	853	855	887	976	...	420
4	Electricity,gas etc	2	2	2	2	2	1311	1325	1350	1465	...	4
2-4	All industry e/	...	...	...	...	692	...	...	...	...	...	2-4

a/ Major groups 322 to 324 are included in 321.
b/ Major group 322 is included in 321.
c/ Major group 342 is included in 341.
d/ Including manufacturing activities other than those for which separate data are shown.
e/ Estimated as sum of the given parts.

LUXEMBOURG

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Service central de la statistique et des études économiques, Luxembourg. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates are derived from the annual survey of industrial production undertaken by the Service central de la statistique et des études économiques. The estimates presented cover enterprises with an average of 20 or more persons engaged during the year.

The estimates are based on the national classification of industry which follows the General Industrial Classification of Economic Activities within the European Communities (NACE). The figures shown in the tables have been arranged as far as possible to represent the present version of ISIC. Among the residual differences, it should be noted that production of Thomas slag (ISIC 371) is included in ISIC 351. It should also be noted that combined information is shown for a number of industries in order not to divulge confidential information.

The estimates of persons engaged relate to the average number of working proprietors, unpaid family workers, wage earners and other employees. Homeworkers, whose contribution is considered negligible, are not covered. The distinction between wage earners and other employees is based on method of payment and affiliation with the different branches of social security. The estimates shown for operatives relate to workers paid by the hour or on a piece-work basis.

Wages and salaries include, in addition to regular and overtime wage and salary payments, production bonuses and gratuities, and payments in kind. Supplements to wages and salaries represent employers' legal and voluntary contributions to social insurance schemes, covering sickness, old age, unemployment, family allowances etc.

The estimates of output relate to the value of sales effected during the year, adjusted for changes in the value of stocks of finished goods and work in progress, and receipts for services rendered. The value of work done for own account and the value of goods provided to employees as payments in kind are included. For goods sold in the same condition as received, the gross margin is used. The valuation is calculated in factor values. The estimates of value added relate to the value of output less the cost of materials and supplies, and services purchased for use in the production process; adjustments are made for changes in the value of stocks of materials.

The estimates of gross fixed capital formation represent the acquisition of new and used fixed assets, less sales, including own-account investment work and fixed capital formation in new establishments not yet in operation. Investments of a social nature are included. Transactions are recorded at the time of delivery except for large-scale projects where the value of work put in place is recorded.

The indices of industrial production are compiled by the Service central de la statistique et des études économiques and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover all establishments except handicrafts.

Related national publication:

Annuaire statistique, published by the Service central de la statistique et des études économiques, Luxembourg.

LUXEMBOURG

ISIC	INDUSTRY		1. NUMBER OF ENTERPRISES a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (NUMBER)					ISIC
			1986	*1987	*1988	1989	1990	1986	*1987	*1988	1989	1990	
210	Coal mining		-	-	-	...	...	-	-	-	...	...	210
220	Petroleum and gas		-	-	-	...	...	-	-	-	...	...	220
230	Metal ore mining		-	-	-	...	...	...	...	...	...	...	230
290	Other mining		3	3	3	...	...	...	...	...	...	...	290
2	Mining, quarrying		3	3	3	...	...	159	129	134	...	...	2
311/2	Food products		21	21	19	...	...	1531	1452	1403	...	...	311/2
313	Beverages		[10	10	12]	...	...	[857	866	845]	...	...	313
314	Tobacco					...	...				...	...	314
321	Textiles	b/	6	5	6	...	...	561	540	595	...	...	321
3211	Spinning,weaving etc.		...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	b/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products		-	-	-	...	...	-	-	-	...	...	323
324	Footwear		-	-	-	...	...	-	-	-	...	...	324
331	Wood products	c/	[4	4	3]	...	...	[135	132	125]	...	...	331
332	Furniture, fixtures					...	...				...	...	332
341	Paper and products	d/	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp,paper etc.		...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	d/	13	14	15	...	...	1294	1304	1352	...	...	342
351	Industrial chemicals	e/f/	20	19	20	...	...	5129	5240	5240	...	...	351
3511	Basic excl fertilizers		...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc		...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products		4	5	5	...	...	328	375	415	...	...	352
3522	Drugs and medicines		...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries		-	-	-	...	...	...	...	...	...	...	353
354	Petroleum,coal products	e/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	e/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.	e/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc		[		]	...	...	[		]	...	...	361
362	Glass and products		13	15	15	...	...	2663	2728	2847	...	...	362
369	Non-metal products n.e.c					...	...				...	...	369
371	Iron and steel	f/	6	6	6	...	...	13367	12327	11213	...	...	371
372	Non-ferrous metals		7	8	8	...	...	1391	1464	1394	...	...	372
381	Metal products		36	36	35	...	...	3794	3580	3578	...	...	381
382	Machinery n.e.c.		20	18	18	...	...	3264	3110	2863	...	...	382
3825	Office,computing etc.		...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery	g/	7	11	11	...	...	781	902	981	...	...	383
3832	Radio,television etc.		...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment		4	3	5	...	...	302	307	373	...	...	384
3841	Shipbuilding, repair		...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles		...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	g/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	c/	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing		171	175	178	...	...	35397	34327	33224	...	...	3
410	Electricity,gas,steam		...	...	...	...	...	...	...	...	...	...	410
4101	Electricity		6	6	6	...	...	966	958	991	...	...	4101
420	Water works and supply		...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc		12	12	12	...	...	1251	1232	1271	...	...	4
2-4	All industry		186	190	193	...	...	36807	35688	34629	...	...	2-4

Note. For description of classification, see country note.

a/ Enterprises with 20 or more persons engaged.
b/ Major group 322 is included in 321.
c/ Major group 390 is included in 331 and 332 combined.
d/ Major group 341 is included in 342.
e/ Major groups 354, 355 and 356 are included in 351.
f/ Production of Thomas slag is included in major group 351.
g/ Major group 385 is included in 383.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/ (NUMBER)					4. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION FRANCS)					ISIC
		1986	*1987	*1988	1989	1990	1986	*1987	*1988	1989	1990	
210	Coal mining	-	-	-	...	...	-	-	-	...	...	210
220	Petroleum and gas	-	-	-	...	...	-	-	-	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	156	126	131	...	...	87	78	87	...	...	2
311/2	Food products	1510	1434	1385	...	...	873	857	860	...	...	311/2
313	Beverages	[854	862	841]	...	...	[705	717	720]	...	...	313
314	Tobacco				...	...				...	...	314
321	Textiles b/	561	540	595	...	...	424	377	501	...	...	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel b/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products	-	-	-	...	...	-	-	-	...	...	323
324	Footwear	-	-	-	...	...	-	-	-	...	...	324
331	Wood products c/	[132	129	122]	...	...	[76	85	84]	...	...	331
332	Furniture, fixtures				...	...				...	...	332
341	Paper and products d/	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing d/	1291	1300	1348	...	...	1026	1053	1136	...	...	342
351	Industrial chemicals e/f/	5129	5239	5240	...	...	4836	5104	5467	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products	327	374	414	...	...	194	234	271	...	...	352
3522	Drugs and medicines	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries	...	...	...	...	...	-	-	-	...	...	353
354	Petroleum,coal products e/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products e/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c. e/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	[		]	...	...	[		]	...	...	361
362	Glass and products	2657	2722	2842	...	...	1830	1919	2074	...	...	362
369	Non-metal products n.e.c				...	...				...	...	369
371	Iron and steel f/	13366	12327	11213	...	...	12392	11441	10950	...	...	371
372	Non-ferrous metals	1391	1464	1394	...	...	1186	1248	1264	...	...	372
381	Metal products	3778	3563	3561	...	...	2985	2870	3013	...	...	381
382	Machinery n.e.c.	3257	3105	2859	...	...	2875	2921	2862	...	...	382
3825	Office,computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery g/	778	897	977	...	...	460	543	607	...	...	383
3832	Radio,television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	299	304	370	...	...	191	175	218	...	...	384
3841	Shipbuilding, repair	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods g/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries c/	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	35330	34260	33161	...	...	30053	29544	30027	...	...	3
410	Electricity,gas,steam	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	966	958	991	...	...	1025	1051	1120	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	1251	1232	1271	...	...	1299	1319	1399	...	...	4
2-4	All industry	36737	35618	34563	...	...	31439	30941	31513	...	...	2-4

Note: For description of classification, see country note.

a/ Enterprises with 20 or more persons engaged.
b/ Major group 322 is included in 321.
c/ Major group 390 is included in 331 and 332 combined.
d/ Major group 341 is included in 342.
e/ Major groups 354, 355 and 356 are included in 351.
f/ Production of Thomas slag is included in major group 351.
g/ Major group 385 is included in 383.

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES a/ (MILLION FRANCS) 1986	1987	1988	1989	1990	6. AVERAGE NUMBER OF OPERATIVES a/ (NUMBER) 1986	*1987	*1988	1989	1990	ISIC
210	Coal mining	-	...	...	...	...	-	-	-	...	...	210
220	Petroleum and gas	-	...	...	...	...	-	-	-	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	20	...	...	...	...	130	103	106	...	...	2
311/2	Food products	136	...	...	...	...	1234	1159	1124	...	...	311/2
313	Beverages	[109]	...	...	...	...	[604	610	593]	...	...	313
314	Tobacco		...	...	...	...				...	...	314
321	Textiles ..... b/	63	...	...	...	...	434	438	464	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... b/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	-	...	...	...	...	-	-	-	...	...	323
324	Footwear	-	...	...	...	...	-	-	-	...	...	324
331	Wood products ..... c/	[13]	...	...	...	...	[109	105	99]	...	...	331
332	Furniture, fixtures		...	...	...	...				...	...	332
341	Paper and products ..... d/	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... d/	140	...	...	...	...	889	698	712	...	...	342
351	Industrial chemicals ... e/f/	722	...	...	...	...	4008	4031	4029	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	25	...	...	...	...	233	168	196	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	-	...	...	...	...	-	-	-	...	...	353
354	Petroleum,coal products. e/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products ..... e/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. e/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	[	...	...	...	...	[			...	...	361
362	Glass and products	303	...	...	...	...	2205	2245	2346	...	...	362
369	Non-metal products n.e.c	]	...	...	...	...	]			...	...	369
371	Iron and steel ..... f/	2024	...	...	...	...	10443	9489	8383	...	...	371
372	Non-ferrous metals	180	...	...	...	...	1108	1176	1105	...	...	372
381	Metal products	469	...	...	...	...	3015	2773	2793	...	...	381
382	Machinery n.e.c.	461	...	...	...	...	2131	1989	1753	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... g/	76	...	...	...	...	631	723	795	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	31	...	...	...	...	252	254	311	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods ..... g/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries ..... c/	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	4752	...	...	...	...	27296	25858	24703	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	210	...	...	...	...	485	471	491	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	289	...	...	...	...	600	571	595	...	...	4
2-4	All industry	5061	...	...	...	...	28026	26532	25404	...	...	2-4

Note. For description of classification, see country note.

a/ Enterprises with 20 or more persons engaged.
b/ Major group 322 is included in 321.
c/ Major group 390 is included in 331 and 332 combined.
d/ Major group 341 is included in 342.
e/ Major groups 354, 355 and 356 are included in 351.
f/ Production of Thomas slag is included in major group 351.
g/ Major group 385 is included in 383.

ISIC	INDUSTRY		7. WAGES AND SALARIES OF OPERATIVES a/ (MILLION FRANCS)					8. HOURS WORKED BY OPERATIVES a/ (THOUSANDS)					ISIC
			1986	1987	1988	1989	1990	1986	*1987	*1988	1989	1990	
210	Coal mining		-	...	...	...	...	-	-	-	...	...	210
220	Petroleum and gas		-	...	...	...	...	-	-	-	...	...	220
230	Metal ore mining		...	...	...	...	...	...	...	...	...	...	230
290	Other mining		...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying		69	...	...	...	...	213	189	207	...	...	2
311/2	Food products		622	...	...	...	...	2228	2104	2032	...	...	311/2
313	Beverages		[360	...	...	...	...	[1042	1062	1031]	...	...	313
314	Tobacco			...	...	...	...				...	...	314
321	Textiles	b/	227	...	...	...	...	762	800	842	...	...	321
3211	Spinning, weaving etc.		...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	b/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products		-	...	...	...	...	-	-	-	...	..	323
324	Footwear		-	...	...	...	...	-	-	-	...	...	324
331	Wood products	c/	[57	...	...	...	...	[179	180	175]	...	...	331
332	Furniture, fixtures			...	...	...	...				...	...	332
341	Paper and products	d/	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp, paper etc.		...	...	...	...	...	...	...	...	...	...	3411
342	Printing, publishing	d/	564	...	...	...	...	1426	1252	1255	...	...	342
351	Industrial chemicals	e/f/	3227	...	...	...	...	7007	7127	7174	...	...	351
3511	Basic excl fertilizers		...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc		...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products		93	...	...	...	...	341	295	330	...	...	352
3522	Drugs and medicines		...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries		...	...	...	...	...	-	-	-	...	...	353
354	Petroleum, coal products	e/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	e/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.	e/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery, china etc		[	...	...	...	...	[			...	...	361
362	Glass and products		1304	...	...	...	...	3771	3925	4145	...	...	362
369	Non-metal products n.e.c		]	...	...	...	...	]			...	...	369
371	Iron and steel	f/	7667	...	...	...	...	16612	14691	13318	...	...	371
372	Non-ferrous metals		817	...	...	...	...	1906	2032	1939	...	...	372
381	Metal products		2092	...	...	...	...	5324	4848	4947	...	...	381
382	Machinery n.e.c.		1504	...	...	...	...	3604	3210	2935	...	...	382
3825	Office, computing etc.		...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery	g/	288	...	...	...	...	1075	1268	1398	...	...	383
3832	Radio, television etc.		...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment		138	...	...	...	...	450	442	578	...	...	384
3841	Shipbuilding, repair		...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles		...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	g/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	c/	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing		18960	...	...	...	...	45727	43236	42099	...	...	3
410	Electricity, gas, steam		...	...	...	...	...	...	...	...	...	...	410
4101	Electricity		411	...	...	...	...	821	784	821	...	...	4101
420	Water works and supply		...	...	...	...	...	...	...	...	...	...	420
4	Electricity, gas etc		503	...	...	...	...	1020	960	1004	...	...	4
2-4	All industry		19532	...	...	...	...	46960	44385	43310	...	...	2-4

Note. For description of classification, see country note.

a/ Enterprises with 20 or more persons engaged.
b/ Major group 322 is included in 321.
c/ Major group 390 is included in 331 and 332 combined.
d/ Major group 341 is included in 342.
e/ Major groups 354, 355 and 356 are included in 351.
f/ Production of Thomas slag is included in major group 351.
g/ Major group 385 is included in 383.

ISIC	INDUSTRY	9. OUTPUT IN FACTOR VALUES a/ (MILLION FRANCS) 1986	*1987	*1988	1989	1990	10. VALUE ADDED IN FACTOR VALUES a/b/ (MILLION FRANCS) 1986	*1987	*1988	1989	1990	ISIC
210	Coal mining	-	-	-	...	...	-	-	-	...	...	210
220	Petroleum and gas	-	-	-	...	...	-	-	-	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	222	253	277	...	...	129	135	148	...	...	2
311/2	Food products	8672	8423	8711	...	...	1399	1275	1318	...	...	311/2
313	Beverages	[4332	4304	4384]	...	...	[2055	1918	1958]	...	...	313
314	Tobacco				...	...				...	...	314
321	Textiles ..... c/	2153	2108	2950	...	...	944	898	1213	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... c/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	-	-	-	...	...	-	-	-	...	...	323
324	Footwear	-	-	-	...	...	-	-	-	...	...	324
331	Wood products ..... d/	[298	338	367]	...	...	[118	133	142]	...	...	331
332	Furniture, fixtures				...	...				...	...	332
341	Paper and products ..... e/	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... e/	3126	3342	3579	...	...	1661	1693	1813	...	...	342
351	Industrial chemicals ... f/g/	30802	29862	31887	...	...	10763	9477	10226	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	1311	3759	3282	...	...	435	1459	1282	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	-	-	-	...	...	-	-	-	...	...	353
354	Petroleum,coal products. f/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products ..... f/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. f/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	[			...	...	[			...	...	361
362	Glass and products	8932	10173	11170	...	...	4413	4631	5054	...	...	362
369	Non-metal products n.e.c	]		]	...	...	]		]	...	...	369
371	Iron and steel ..... g/	68295	52386	60666	...	...	24803	17395	20145	...	...	371
372	Non-ferrous metals	8734	7172	8565	...	...	2415	2043	2257	...	...	372
381	Metal products	16680	17793	21328	...	...	5337	5105	5764	...	...	381
382	Machinery n.e.c.	10391	8672	8982	...	...	4723	3501	3674	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... h/	2310	1981	2184	...	...	901	1003	1113	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	831	790	949	...	...	299	311	371	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods ..... h/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries ..... d/	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	166867	151103	169004	...	...	60266	50842	56330	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	5157	5508	6082	...	...	3515	3764	4156	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	6297	6350	6925	...	...	4388	4399	4791	...	...	4
2-4	All industry	173386	157706	176206	...	...	64783	55376	61269	...	...	2-4

Note. For description of classification, see country note.

a/ Enterprises with 20 or more persons engaged.
b/ Net of non-industrial costs.
c/ Major group 322 is included in 321.
d/ Major group 390 is included in 331 and 332 combined.
e/ Major group 341 is included in 342.
f/ Major groups 354, 355 and 356 are included in 351.
g/ Production of Thomas slag is included in major group 351.
h/ Major group 385 is included in 383.

ISIC	INDUSTRY		11. GROSS FIXED CAPITAL FORMATION TOTAL a/ (MILLION FRANCS)					12. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/ (MILLION FRANCS)					ISIC
			1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining		-	-	...	...	...	-	-	...	...	...	210
220	Petroleum and gas		-	-	...	...	...	-	-	...	...	...	220
230	Metal ore mining		-	-	...	...	...	-	-	...	...	...	230
290	Other mining		19	18	...	...	...	18	18	...	...	...	290
2	Mining, quarrying		19	18	...	...	...	18	18	...	...	...	2
311/2	Food products		272	211	...	...	...	191	197	...	...	...	311/2
313	Beverages		[296	327]	...	...	...	[257	209]	...	...	...	313
314	Tobacco				...	...	...			...	...	...	314
321	Textiles	b/	1876	3905	...	...	...	1220	3341	...	...	...	321
3211	Spinning, weaving etc.		...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	b/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products		-	-	...	...	...	-	-	...	...	...	323
324	Footwear		-	-	...	...	...	-	-	...	...	...	324
331	Wood products	c/	[6	3]	...	...	...	[6	2]	...	...	...	331
332	Furniture, fixtures				...	...	...			...	...	...	332
341	Paper and products	d/	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp, paper etc.		...	...	...	...	...	...	...	...	...	...	3411
342	Printing, publishing	d/	179	240	...	...	...	144	176	...	...	...	342
351	Industrial chemicals	e/f/	3460	2256	...	...	...	3153	2012	...	...	...	351
3511	Basic excl fertilizers		...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc		...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products		337	67	...	...	...	174	61	...	...	...	352
3522	Drugs and medicines		...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries		-	-	...	...	...	-	-	...	...	...	353
354	Petroleum, coal products	e/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	e/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.	e/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery, china etc		[	]	...	...	...	[	]	...	...	...	361
362	Glass and products		715	352	...	...	...	500	282	...	...	...	362
369	Non-metal products n.e.c				...	...	...			...	...	...	369
371	Iron and steel	f/	2797	2796	...	...	...	2790	2715	...	...	...	371
372	Non-ferrous metals		509	437	...	...	...	447	408	...	...	...	372
381	Metal products		595	708	...	...	...	516	513	...	...	...	381
382	Machinery n.e.c.		749	369	...	...	...	617	284	...	...	...	382
3825	Office, computing etc.		...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery	g/	152	334	...	...	...	148	201	...	...	...	383
3832	Radio, television etc.		...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment		46	29	...	...	...	45	26	...	...	...	384
3841	Shipbuilding, repair		...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles		...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	g/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	c/	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing		11989	12034	...	...	...	10208	10427	...	...	...	3
410	Electricity, gas, steam		...	...	...	...	...	...	...	...	...	...	410
4101	Electricity		781	824	...	...	...	184	232	...	...	...	4101
420	Water works and supply		...	...	...	...	...	...	...	...	...	...	420
4	Electricity, gas etc		988	1104	...	...	...	198	281	...	...	...	4
2-4	All industry		12996	13156	...	...	...	10424	10726	...	...	...	2-4

Note. For description of classification, see country note.

a/ Enterprises with 20 or more persons engaged.
b/ Major group 322 is included in 321.
c/ Major group 390 is included in 331 and 332 combined.
d/ Major group 341 is included in 342.
e/ Major groups 354, 355 and 356 are included in 351.
f/ Production of Thomas slag is included in major group 351.
g/ Major group 385 is included in 383.

13. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	90	89	75	70	69	79	87	94	104	0.5	290
2	Mining, quarrying .	38	37	32	29	29	33	36	40	44	-9.8	2
311/2	Food products	102	108	110	109	110	107	106	114	118	2.1	311/2
313	Beverages	120	148	138	153	162	156	154	156	160	6.1	313
314	Tobacco											314
321	Textiles	...	...	...	...	...	...	...	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... b/	101	110	101	108	99	98	122	197	225	10.7	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear ..... b/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	110	115	108	107	111	104	111	111	124	2.7	331
332	Furniture, fixtures											332
341	Paper and products	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	100	101	109	115	116	122	127	136	148	5.0	342
351	Industrial chemicals ... c/	92	101	118	143	204	269	268	308	280	13.7	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	.	. .	...	...	...	...	...	...	...	...	3513
352	Other chemical products c/		. .	...	. .	...	...	...	...	...	...	352
3522	Drugs and medicines .	..	. .	..	...	...	...	. .	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	100	112	125	126	130	128	135	137	128	3.1	355
356	Plastic products n e.c..	122	138	142	146	157	172	186	211	208	9.6	356
361	Pottery,china etc											361
362	Glass and products	133	143	144	142	157	177	185	240	247	12.0	362
369	Non-metal products n.e.c											369
371	Iron and steel	82	80	94	102	97	90	102	104	100	0.0	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products ..... d/	94	102	139	151	155	147	161	176	183	7.8	381
382	Machinery n.e.c.											382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... d/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... d/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing ..... e/	95	99	114	122	124	123	134	144	143	4.6	3
410	Electricity,gas,steam ..	90	85	121	126	132	138	149	154	158	5.9	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry e/	95	99	113	121	124	122	133	144	143	4.6	2-4

a/ Annual growth rate 1982-1990.
b/ Major group 324 is included in 322.
c/ Major group 352 is included in 351.
d/ Major groups 383 and 384 are included in 381 and 382 combined.
e/ Excluding major group 341.

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The information in the tables is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Direcçao de Serviços de Estatística e Censos, Macau. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The data in the tables are derived from the industrial census taken annually since 1978 covering all legal establishments. The inquiry is carried out through field interview by enumerators.

The data are compiled according to the national classification system which basically follows the present version of the ISIC. Data are not adjusted for non-response.

Employment numbers relate to quarterly averages. However, persons engaged refer to the total number. Output and value added refer to census output and census value added.

Related national publication:

Inquerito Industrial (annual), published by the Direcçao de Serviços de Estatística e Censos, Macau.

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ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	...	-	-	-	-	...	-	-	-	210
220	Petroleum and gas	-	...	-	-	-	-	...	-	-	-	220
230	Metal ore mining	-	...	-	-	-	-	...	-	-	-	230
290	Other mining	1	...	1	1	1	38	...	34	38	36	290
2	Mining, quarrying .	1	...	1	1	1	38	...	34	38	36	2
311/2	Food products	84	...	117	119	131	1324	...	1179	1092	1131	311/2
313	Beverages	14	...	12	12	11	303	...	216	231	234	313
314	Tobacco	1	...	1	1	1	59	...	48	41	39	314
321	Textiles	197	...	293	295	290	10553	...	11051	10616	10304	321
3211	Spinning,weaving etc..	...	...	67	75	78	...	...	2845	2795	2517	3211
322	Wearing apparel	546	...	729	742	745	36341	...	35431	35948	35971	322
323	Leather and products ...	15	...	17	17	16	1307	...	1203	1209	1087	323
324	Footwear	12	...	25	22	26	662	...	741	655	703	324
331	Wood products	32	...	48	47	53	432	...	292	262	271	331
332	Furniture, fixtures	90	...	182	175	194	1946	...	1151	958	909	332
341	Paper and products	46	...	49	47	47	1413	...	605	610	608	341
3411	Pulp,paper etc.	...	...	2	2	2	...	...	18	19	18	3411
342	Printing,publishing	64	...	87	90	94	1818	...	1210	1280	1358	342
351	Industrial chemicals ...	-	...	-	-	-	-	...	-	-	-	351
3511	Basic excl fertilizers	-	...	-	-	-	-	...	-	-	-	3511
3513	Synthetic resins etc .	-	...	-	-	-	-	...	-	-	-	3513
352	Other chemical products.	15	...	16	12	14	744	...	475	340	315	352
3522	Drugs and medicines ..	...	...	4	4	6	...	...	85	92	109	3522
353	Petroleum refineries ...	-	...	-	-	-	-	...	-	-	-	353
354	Petroleum,coal products.	-	...	-	-	-	-	...	-	-	-	354
355	Rubber products	1	...	1	1	1	28	...	22	15	16	355
356	Plastic products n.e.c..	33	...	30	28	30	722	...	399	350	361	356
361	Pottery,china etc	19	...	20	19	13	898	...	958	840	631	361
362	Glass and products	5	...	13	11	14	16	...	46	37	46	362
369	Non-metal products n.e.c	4	...	6	8	10	207	...	31	29	41	369
371	Iron and steel	-	...	-	-	-	-	...	-	-	-	371
372	Non-ferrous metals	-	...	-	-	-	-	...	-	-	-	372
381	Metal products	92	...	217	225	282	563	...	978	1056	1166	381
382	Machinery n.e.c.	21	...	58	49	56	78	...	215	181	192	382
3825	Office,computing etc..	...	...	1	1	1	...	...	1	2	2	3825
383	Electrical machinery ...	34	...	22	26	22	2512	...	963	965	902	383
3832	Radio,television etc..	...	...	5	7	7	...	...	192	146	119	3832
384	Transport equipment	40	...	73	68	72	615	...	649	602	585	384
3841	Shipbuilding, repair..	...	...	72	67	70	...	...	649	599	582	3841
3843	Motor vehicles	-	...	-	-	-	-	...	-	-	-	3843
385	Professional goods	8	...	7	6	2	877	...	769	660	631	385
390	Other industries	170	...	187	161	150	11849	...	9217	9228	7278	390
3	Manufacturing	1543	...	2210	2181	2274	75267	...	67849	67205	64779	3
410	Electricity,gas,steam ..	1	...	1	1	1	853	...	835	796	787	410
4101	Electricity	1	...	1	1	1	853	...	835	796	787	4101
420	Water works and supply .	1	...	1	1	1	258	...	252	237	232	420
4	Electricity,gas etc	2	...	2	2	2	1111	...	1087	1033	1019	4
2-4	All industry	1546	...	2213	2184	2277	76416	...	68970	68276	65834	2-4

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES (NUMBER)					4. WAGES AND SALARIES OF EMPLOYEES (MILLION PATACAS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	...	-	-	-	-	...	-	-	-	210
220	Petroleum and gas	-	...	-	-	-	-	...	-	-	-	220
230	Metal ore mining	-	...	-	-	-	-	...	-	-	-	230
290	Other mining	38	...	34	38	36	2.5	...	2.7	3.7	3.7	290
2	Mining, quarrying .	38	...	34	38	36	2.5	...	2.7	3.7	3.7	2
311/2	Food products	1241	...	1011	927	958	20.1	...	24.5	26.1	29.7	311/2
313	Beverages	296	...	206	220	223	7.2	...	6.8	8.5	9.9	313
314	Tobacco	59	...	48	41	39	0.7	...	0.8	0.8	0.9	314
321	Textiles	10434	...	10843	10433	10129	208.5	...	302.3	335.5	352.9	321
3211	Spinning,weaving etc..	...	...	2814	2758	2468	...	...	85.8	92.6	91.1	3211
322	Wearing apparel	35963	...	34949	35488	35527	609.1	...	853.7	984.2	1088.6	322
323	Leather and products ...	1299	...	1196	1202	1079	22.8	...	35.5	36.6	34.1	323
324	Footwear	647	...	709	638	681	12.2	...	18.0	18.8	22.5	324
331	Wood products	392	...	239	213	214	6.0	...	6.2	6.4	7.7	331
332	Furniture, fixtures	1873	...	970	777	717	39.2	...	26.9	26.1	25.9	332
341	Paper and products	1387	...	571	575	573	29.9	...	17.0	17.7	18.6	341
3411	Pulp,paper etc.	...	...	18	19	18	...	...	0.5	0.5	0.5	3411
342	Printing,publishing	1774	...	1137	1200	1283	47.8	...	36.1	42.2	50.9	342
351	Industrial chemicals ...	-	...	-	-	-	-	...	-	-	-	351
3511	Basic excl fertilizers	-	...	-	-	-	-	...	-	-	-	3511
3513	Synthetic resins etc .	-	...	-	-	-	-	...	-	-	-	3513
352	Other chemical products.	744	...	471	334	311	13.8	...	11.9	11.0	12.5	352
3522	Drugs and medicines ..	...	...	83	90	105	...	...	4.4	5.0	6.4	3522
353	Petroleum refineries ...	-	...	-	-	-	-	...	-	-	-	353
354	Petroleum,coal products.	-	...	-	-	-	-	...	-	-	-	354
355	Rubber products	28	...	22	15	16	0.5	...	0.6	0.6	0.6	355
356	Plastic products n.e.c..	701	...	374	328	335	16.9	...	10.8	10.1	11.9	356
361	Pottery,china etc	877	...	941	829	620	21.1	...	31.1	28.5	21.0	361
362	Glass and products	13	...	32	22	29	0.4	...	1.2	0.9	1.2	362
369	Non-metal products n.e.c	205	...	28	27	37	6.6	...	0.8	0.9	1.1	369
371	Iron and steel	-	...	-	-	-	-	...	-	-	-	371
372	Non-ferrous metals	-	...	-	-	-	-	...	-	-	-	372
381	Metal products	484	...	762	843	890	10.5	...	21.0	28.5	32.4	381
382	Machinery n.e.c.	61	...	150	131	138	1.4	...	4.0	4.3	5.0	382
3825	Office,computing etc..	...	...	-	-	-	...	...	-	-	...	3825
383	Electrical machinery ...	2490	...	947	950	888	47.0	...	26.2	28.4	32.6	383
3832	Radio,television etc..	...	...	191	143	116	...	...	4.6	3.6	3.0	3832
384	Transport equipment	581	...	574	537	511	23.7	...	28.2	29.6	28.2	384
3841	Shipbuilding, repair..	...	...	572	535	510	...	...	28.1	29.6	28.2	3841
3843	Motor vehicles	-	...	-	-	-	-	...	-	-	-	3843
385	Professional goods	877	...	768	660	631	17.6	...	20.2	19.6	21.1	385
390	Other industries	11760	...	9057	9100	7152	239.5	...	257.7	283.3	252.5	390
3	Manufacturing	74186	...	66005	65490	62981	1402.9	...	1741.4	1948.2	2061.6	3
410	Electricity,gas,steam ..	853	...	835	796	787	72.0	...	72.0	94.2	101.6	410
4101	Electricity	853	...	835	796	787	72.0	...	72.0	94.2	101.6	4101
420	Water works and supply .	258	...	252	237	232	11.8	...	14.5	15.7	18.2	420
4	Electricity,gas etc.	1111	...	1087	1033	1019	83.8	...	86.5	109.9	119.8	4
2-4	All industry	75335	...	67126	66561	64038	1489.2	...	1830.6	2061.7	2185.2	2-4

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES (THOUSAND PATACAS)					6. AVERAGE NUMBER OF OPERATIVES (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	-	-	-	...	...	-	-	-	210
220	Petroleum and gas	...	...	-	-	-	...	...	-	-	-	220
230	Metal ore mining	...	...	-	-	-	...	...	-	-	-	230
290	Other mining	...	...	188	211	234	...	...	27	31	29	290
2	Mining, quarrying .	...	...	188	211	234	...	...	27	31	29	2
311/2	Food products	...	...	201	842	676	...	...	746	650	653	311/2
313	Beverages	...	...	29	39	91	...	...	136	153	163	313
314	Tobacco	...	..	5	5	14	...	...	39	32	30	314
321	Textiles	...	...	5191	5521	5150	...	...	8905	8505	8162	321
3211	Spinning,weaving etc..	...	...	3093	3559	1735	...	...	2315	2329	2087	3211
322	Wearing apparel	...	...	6147	6517	13539	...	...	30040	30533	30497	322
323	Leather and products ...	...	...	354	339	591	...	...	1047	1082	921	323
324	Footwear	...	...	58	124	233	...	...	641	570	607	324
331	Wood products	...	...	126	118	156	...	...	157	138	138	331
332	Furniture, fixtures	...	...	171	191	322	...	...	677	503	399	332
341	Paper and products	...	...	231	203	423	...	...	450	453	440	341
3411	Pulp,paper etc.	...	...	2	2	8	...	...	16	17	15	3411
342	Printing,publishing	...	...	1030	1224	1565	...	...	770	798	865	342
351	Industrial chemicals ...	...	...	-	-	-	...	...	-	-	-	351
3511	Basic excl fertilizers	...	...	-	-	-	...	...	-	-	-	3511
3513	Synthetic resins etc .	...	...	-	-	-	...	...	-	-	-	3513
352	Other chemical products.	...	...	436	474	561	...	...	360	247	223	352
3522	Drugs and medicines ..	...	...	248	343	431	...	...	40	44	52	3522
353	Petroleum refineries ...	...	...	-	-	-	...	...	-	-	-	353
354	Petroleum,coal products.	...	...	-	-	-	...	...	-	-	-	354
355	Rubber products	...	...	8	9	6	...	...	17	11	11	355
356	Plastic products n.e.c..	...	...	121	127	241	...	...	300	247	253	356
361	Pottery,china etc	...	...	217	125	159	...	...	849	742	536	361
362	Glass and products	...	...	22	7	6	...	...	17	11	11	362
369	Non-metal products n.e.c	...	...	8	69	8	...	...	22	16	17	369
371	Iron and steel	...	...	-	-	-	...	...	-	-	-	371
372	Non-ferrous metals	...	...	-	-	-	...	...	-	-	-	372
381	Metal products	...	...	245	272	361	...	...	401	453	401	381
382	Machinery n.e.c.	...	...	39	42	79	...	...	76	58	59	382
3825	Office,computing etc..	...	...	-	-	-	...	...	-	-	-	3825
383	Electrical machinery ...	...	...	802	1085	1520	...	...	839	802	771	383
3832	Radio,television etc..	...	...	22	29	67	...	...	163	112	88	3832
384	Transport equipment	...	...	589	561	574	...	...	495	456	444	384
3841	Shipbuilding, repair..	...	...	589	561	574	...	...	495	456	444	3841
3843	Motor vehicles	...	...	-	-	-	...	...	-	-	-	3843
385	Professional goods	...	...	109	99	258	...	...	736	630	600	385
390	Other industries	...	...	2915	3255	5451	...	...	7950	7893	6091	390
3	Manufacturing	...	...	19054	21247	31985	...	...	55670	54983	52292	3
410	Electricity,gas,steam ..	...	...	13423	12429	16994	...	...	476	442	431	410
4101	Electricity	...	...	13423	12429	16994	...	...	476	442	431	4101
420	Water works and supply .	...	...	2105	1189	1166	...	...	108	99	92	420
4	Electricity,gas etc	...	...	15528	13618	18160	...	...	584	541	523	4
2-4	All industry	...	...	34770	35076	50380	...	...	56281	55555	52844	2-4

ISIC	INDUSTRY	7. WAGES AND SALARIES OF OPERATIVES (MILLION PATACAS)					8. HOURS WORKED BY OPERATIVES (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	-	-	-	...	...	-	-	-	210
220	Petroleum and gas	...	...	-	-	-	...	...	-	-	-	220
230	Metal ore mining	...	...	-	-	-	...	...	-	-	-	230
290	Other mining	...	...	1.7	2.5	2.2	...	...	65	83	79	290
2	Mining, quarrying .	...	...	1.7	2.5	2.2	...	...	65	83	79	2
311/2	Food products	...	...	17.8	18.0	19.9	...	...	2193	2023	2020	311/2
313	Beverages	...	...	3.1	4.0	5.1	...	...	320	361	372	313
314	Tobacco	...	...	0.5	0.5	0.6	...	...	81	65	61	314
321	Textiles	...	...	208.9	233.5	239.9	...	...	24557	24364	22302	321
3211	Spinning,weaving etc..	...	...	54.6	66.5	65.5	...	...	6353	6646	5699	3211
322	Wearing apparel	...	...	677.9	778.6	853.6	...	...	83908	83794	84856	322
323	Leather and products ...	...	...	30.1	30.4	25.5	...	...	3064	3089	2670	323
324	Footwear	...	...	15.9	16.4	19.2	...	...	1879	1447	1658	324
331	Wood products	...	...	4.0	3.8	4.9	...	...	425	360	355	331
332	Furniture, fixtures	...	...	18.6	16.2	13.8	...	...	1723	1251	997	332
341	Paper and products	...	...	12.6	13.0	13.0	...	...	1187	1138	1136	341
3411	Pulp,paper etc.	...	...	0.4	0.5	0.4	...	...	38	41	35	3411
342	Printing,publishing	...	...	23.0	26.5	31.7	...	...	1886	1952	2124	342
351	Industrial chemicals ...	...	...	-	-	-	...	...	-	-	-	351
3511	Basic excl fertilizers	...	...	-	-	-	...	...	-	-	-	3511
3513	Synthetic resins etc .	...	...	-	-	-	...	...	-	-	-	3513
352	Other chemical products.	...	...	6.8	6.2	5.9	...	...	1002	657	573	352
3522	Drugs and medicines ..	...	...	1.9	1.8	1.9	...	...	87	100	128	3522
353	Petroleum refineries ...	...	...	-	-	-	...	...	-	-	-	353
354	Petroleum,coal products.	...	...	-	-	-	...	...	-	-	-	354
355	Rubber products	...	...	0.4	0.4	0.4	...	...	41	26	26	355
356	Plastic products n.e.c..	...	...	8.1	6.9	8.2	...	...	828	637	646	356
361	Pottery,china etc	...	...	27.9	25.5	18.0	...	...	2127	1833	1318	361
362	Glass and products	...	...	0.7	0.5	0.5	...	...	42	27	28	362
369	Non-metal products n.e.c	...	...	0.6	0.5	0.5	...	...	57	36	47	369
371	Iron and steel	...	...	-	-	-	...	...	-	-	-	371
372	Non-ferrous metals	...	...	-	-	-	...	...	-	-	-	372
381	Metal products	...	...	10.4	14.8	14.4	...	...	1000	1138	1035	381
382	Machinery n.e.c.	...	...	2.1	2.0	2.3	...	...	186	159	166	382
3825	Office,computing etc..	...	...	...	...	...	...	...	-	-	-	3825
383	Electrical machinery ...	...	...	20.3	20.2	23.8	...	...	2110	2068	1998	383
3832	Radio,television etc..	...	...	3.6	2.4	2.0	...	...	318	261	179	3832
384	Transport equipment	...	...	25.1	26.0	24.8	...	...	1005	983	946	384
3841	Shipbuilding, repair..	...	...	25.1	26.0	24.8	...	...	1005	983	946	3841
3843	Motor vehicles	...	...	-	-	-	...	...	-	-	-	3843
385	Professional goods	...	...	18.2	17.8	19.1	...	...	2156	1859	1782	385
390	Other industries	...	...	209.4	218.9	170.7	...	...	22222	21948	16382	390
3	Manufacturing	...	...	1342.6	1480.4	1515.8	...	...	154000	151215	143500	3
410	Electricity,gas,steam ..	...	...	34.2	44.9	44.8	...	...	1101	1337	1095	410
4101	Electricity	...	...	34.2	44.9	44.8	...	...	1101	1337	1095	4101
420	Water works and supply .	...	...	5.1	5.1	5.3	...	...	286	256	229	420
4	Electricity,gas etc	...	...	39.3	50.0	50.1	...	...	1387	1593	1324	4
2-4	All industry	...	...	1383.6	1532.9	1568.0	...	...	155452	152891	144903	2-4

MACAU

ISIC	INDUSTRY	9. QUANTITY OF ELECTRICITY CONSUMED (THOUSAND KWH)					10. OUTPUT IN PRODUCERS' PRICES (MILLION PATACAS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	-	-	-	-	...	-	-	-	210
220	Petroleum and gas	...	...	-	-	-	-	...	-	-	-	220
230	Metal ore mining	...	...	-	-	-	-	...	-	-	-	230
290	Other mining	...	...	-	-	-	15	...	14	25	20	290
2	Mining, quarrying .	...	...	-	-	-	15	...	14	25	20	2
311/2	Food products	...	...	7017	7435	7215	119	...	130	135	135	311/2
313	Beverages	...	...	1101	1247	1216	59	...	72	85	90	313
314	Tobacco	...	...	24	21	26	3	...	3	2	3	314
321	Textiles	...	...	32868	35857	36866	1897	...	2597	2766	2615	321
3211	Spinning,weaving etc..	...	...	18665	21495	20507	...	...	693	752	685	3211
322	Wearing apparel	...	...	51458	53658	57771	3896	...	5741	6315	6828	322
323	Leather and products ...	...	...	2945	2895	3139	112	...	210	212	206	323
324	Footwear	...	...	1441	1361	1434	54	...	100	100	123	324
331	Wood products	...	...	713	814	663	21	...	25	26	27	331
332	Furniture, fixtures	...	...	955	855	860	115	...	84	87	85	332
341	Paper and products	...	...	834	817	1017	208	...	109	108	104	341
3411	Pulp,paper etc.	...	...	21	18	18	-	...	3	3	3	3411
342	Printing,publishing	...	...	2695	3008	3291	126	...	109	138	157	342
351	Industrial chemicals ...	...	...	-	-	...	-	...	-	-	-	351
3511	Basic excl fertilizers	...	...	-	-	...	-	...	-	-	-	3511
3513	Synthetic resins etc .	...	...	-	-	...	-	...	-	-	-	3513
352	Other chemical products.	...	...	1039	870	1265	42	...	83	98	94	352
3522	Drugs and medicines ..	...	...	678	633	983	...	...	46	59	72	3522
353	Petroleum refineries ...	...	...	-	-	...	-	...	-	-	-	353
354	Petroleum,coal products.	...	...	-	-	...	-	...	-	-	-	354
355	Rubber products	...	...	54	52	26	2	...	1	2	2	355
356	Plastic products n.e.c..	...	...	4350	3570	4315	143	...	79	74	76	356
361	Pottery,china etc	...	...	2242	1893	1099	82	...	103	88	52	361
362	Glass and products	...	...	86	61	55	2	...	5	5	6	362
369	Non-metal products n.e.c	...	...	22	60	70	2	...	2	3	5	369
371	Iron and steel	...	...	-	-	-	-	...	-	-	-	371
372	Non-ferrous metals	...	...	-	-	-	-	...	-	-	-	372
381	Metal products	...	...	2083	2374	2438	53	...	100	127	149	381
382	Machinery n.e.c.	...	...	351	326	425	4	...	12	13	17	382
3825	Office,computing etc..	...	...	1	2	2	...	...	-	...	-	3825
383	Electrical machinery ...	...	...	2164	2141	2474	390	...	145	201	294	383
3832	Radio,television etc..	...	...	366	250	282	...	...	63	28	35	3832
384	Transport equipment	...	...	1095	1124	991	60	...	75	66	61	384
3841	Shipbuilding, repair..	...	...	1086	1116	982	...	...	74	66	61	3841
3843	Motor vehicles	...	...	-	-	-	-	...	-	-	-	3843
385	Professional goods	...	...	2162	1949	1555	67	...	82	81	81	385
390	Other industries	...	...	50121	43945	37824	1431	...	1641	1957	1793	390
3	Manufacturing	...	...	167819	166335	166035	8889	...	11511	12692	13003	3
410	Electricity,gas,steam ..	...	...	116803	110002	177115	480	...	564	640	777	410
4101	Electricity	...	...	116803	110002	177115	480	...	564	640	777	4101
420	Water works and supply .	...	...	9685	9663	9892	73	...	115	124	140	420
4	Electricity,gas etc	...	...	126488	119665	187007	554	...	678	764	917	4
2-4	All industry	...	...	294307	286000	353042	9458	...	12203	13481	13939	2-4

ISIC	INDUSTRY	11. VALUE ADDED IN PRODUCERS' PRICES (MILLION PATACAS)					12. GROSS FIXED CAPITAL FORMATION TOTAL (THOUSAND PATACAS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	...	-	-	-	-	...	-	-	-	210
220	Petroleum and gas	-	...	-	-	-	-	...	-	-	-	220
230	Metal ore mining	-	...	-	-	-	-	...	-	-	-	230
290	Other mining	9.1	...	7.5	15.6	9.7	271	...	4139	1618	1798	290
2	Mining, quarrying .	9.1	...	7.5	15.6	9.7	271	...	4139	1618	1798	2
311/2	Food products	31.7	...	33.1	37.5	45.6	2701	...	1013	2335	2065	311/2
313	Beverages	19.4	...	14.7	19.7	32.5	8164	...	4286	1261	2323	313
314	Tobacco	1.0	...	1.1	1.1	1.2	-	...	-	-	-	314
321	Textiles	411.2	...	715.7	830.5	736.4	95005	...	103942	90361	60297	321
3211	Spinning,weaving etc..	...	...	166.5	197.2	185.7	-	...	51119	21564	549	3211
322	Wearing apparel	1144.8	...	1517.7	1731.8	1851.6	122108	...	141990	208781	150632	322
323	Leather and products ...	38.2	...	75.6	76.1	68.0	3759	...	8401	8445	4560	323
324	Footwear	24.9	...	31.9	28.1	36.7	8835	...	2055	3758	5423	324
331	Wood products	10.9	...	10.6	10.8	12.9	1871	...	707	587	655	331
332	Furniture, fixtures	54.8	...	42.1	41.3	40.5	212	...	6011	979	3259	332
341	Paper and products	48.6	...	28.9	30.6	31.7	7543	...	1874	5094	1621	341
3411	Pulp,paper etc.	...	...	0.6	0.8	0.7	-	...	63	10	-	3411
342	Printing,publishing	67.7	...	47.6	65.2	72.7	12679	...	26803	11258	16053	342
351	Industrial chemicals ...	-	...	-	-	-	-	...	-	-	-	351
3511	Basic excl fertilizers	-	...	-	-	-	-	...	-	-	-	3511
3513	Synthetic resins etc .	-	...	-	-	-	-	...	-	-	-	3513
352	Other chemical products.	18.2	...	37.4	44.2	46.4	58190	...	5368	8297	1835	352
3522	Drugs and medicines ..	...	...	20.2	30.0	31.2	-	...	3263	4866	1039	3522
353	Petroleum refineries ...	-	...	-	-	-	-	...	-	-	-	353
354	Petroleum,coal products.	-	...	-	-	-	-	...	-	-	-	354
355	Rubber products	0.7	...	0.6	1.0	1.5	-	...	279	-	-	355
356	Plastic products n.e.c..	48.9	...	23.0	22.4	22.8	19666	...	11005	7501	4889	356
361	Pottery,china etc	31.6	...	45.6	41.3	26.0	2166	...	1566	1034	1846	361
362	Glass and products	0.5	...	2.1	2.4	2.6	-	...	61	-	35	362
369	Non-metal products n.e.c	0.9	...	0.8	1.1	1.7	2877	...	110	669	138	369
371	Iron and steel	-	...	-	-	-	-	...	-	-	-	371
372	Non-ferrous metals	-	...	-	-	-	-	...	-	-	-	372
381	Metal products	21.7	...	41.4	50.9	64.3	765	...	7980	7885	3730	381
382	Machinery n.e.c.	2.2	...	6.9	8.1	10.4	66	...	2478	2306	3101	382
3825	Office,computing etc..	...	...	-	-	...	...	...	-	-	...	3825
383	Electrical machinery ...	102.1	...	41.2	47.2	57.0	4586	...	12280	22149	11215	383
3832	Radio,television etc..	...	...	7.5	4.8	4.0	-	...	1250	42	9216	3832
384	Transport equipment	24.7	...	35.8	33.8	29.1	2051	...	1423	2128	1176	384
3841	Shipbuilding, repair..	...	...	35.7	33.7	29.0	-	...	1422	2128	1176	3841
3843	Motor vehicles	-	...	-	-	-	-	...	-	-	-	3843
385	Professional goods	27.7	...	31.2	26.9	28.8	3088	...	1067	2464	1247	385
390	Other industries	512.9	...	470.6	575.7	544.1	134179	...	31522	64470	33121	390
3	Manufacturing	2645.2	...	3255.6	3727.8	3764.3	490511	...	372221	451763	309221	3
410	Electricity,gas,steam ..	272.6	...	360.0	408.5	494.7	208207	...	60243	120623	423440	410
4101	Electricity	272.6	...	360.0	408.5	494.7	208207	...	60243	120623	423440	4101
420	Water works and supply .	40.3	...	61.7	67.3	77.8	24855	...	48550	47266	38779	420
4	Electricity,gas etc	312.9	...	421.7	475.8	572.5	233063	...	108792	167888	462219	4
2-4	All industry	2967.2	...	3684.9	4219.1	4346.5	723845	...	485152	621269	773237	2-4

ISIC	INDUSTRY	13. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT (THOUSAND PATACAS)					14. VALUE OF STOCKS AT END OF PERIOD TOTAL (MILLION PATACAS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	-	-	-	...	...	-	-	-	210
220	Petroleum and gas	...	...	-	-	-	...	...	-	-	-	220
230	Metal ore mining	...	...	-	-	-	...	...	-	-	-	230
290	Other mining	...	...	4139	1618	1798	...	...	3.5	5.0	4.2	290
2	Mining, quarrying .	...	...	4139	1618	1798	...	...	3.5	5.0	4.2	2
311/2	Food products	...	...	818	1635	944	...	...	2.5	2.6	3.4	311/2
313	Beverages	...	...	2286	1261	2323	...	...	6.8	9.4	10.0	313
314	Tobacco	...	...	-	-	-	...	...	0.6	0.2	0.2	314
321	Textiles	...	...	90252	58018	34833	...	...	376.7	371.2	324.4	321
3211	Spinning,weaving etc..	...	...	58666	12820	-828	...	...	244.0	226.4	135.5	3211
322	Wearing apparel	...	...	89339	104558	74873	...	...	460.1	603.5	604.6	322
323	Leather and products ...	...	...	7678	3167	4860	...	...	47.3	47.2	40.7	323
324	Footwear	...	...	1533	3758	2923	...	...	16.9	12.8	22.0	324
331	Wood products	...	...	150	207	264	...	...	2.8	3.8	3.6	331
332	Furniture, fixtures	...	...	1642	899	980	...	...	6.8	7.0	6.3	332
341	Paper and products	...	...	1541	1940	1606	...	...	5.8	6.2	7.3	341
3411	Pulp,paper etc.	...	...	63	10	...	...	...	0.2	0.2	0.2	3411
342	Printing,publishing	...	...	21813	9784	13120	...	...	5.6	6.2	9.5	342
351	Industrial chemicals ...	...	...	-	-	-	...	...	-	-	-	351
3511	Basic excl fertilizers	...	...	-	-	-	...	...	-	-	-	3511
3513	Synthetic resins etc .	...	...	...	...	-	...	...	-	-	-	3513
352	Other chemical products.	...	...	4945	7779	1185	...	...	15.2	16.5	29.1	352
3522	Drugs and medicines ..	...	...	3229	4739	944	...	...	6.6	9.0	15.2	3522
353	Petroleum refineries ...	...	...	-	-	-	...	...	-	-	-	353
354	Petroleum,coal products.	...	...	-	-	-	...	...	-	-	-	354
355	Rubber products	...	...	279	-	-	...	...	0.4	0.4	0.6	355
356	Plastic products n.e.c..	...	...	5882	3381	2660	...	...	7.1	8.4	10.3	356
361	Pottery,china etc	...	...	1539	1034	1272	...	...	13.7	13.0	11.0	361
362	Glass and products	...	...	61	-	35	...	...	0.5	0.6	0.6	362
369	Non-metal products n.e.c	...	...	110	239	138	...	...	1.0	0.7	0.7	369
371	Iron and steel	...	...	-	-	-	...	...	-	-	-	371
372	Non-ferrous metals	...	...	-	-	-	...	...	-	-	-	372
381	Metal products	...	...	3639	6338	2819	...	...	13.1	15.2	19.8	381
382	Machinery n.e.c.	...	...	1088	1243	1441	...	...	1.2	1.6	2.3	382
3825	Office,computing etc..	...	...	-	-	-	...	...	-	-	-	3825
383	Electrical machinery ...	...	...	10438	6849	7702	...	...	42.2	41.1	41.0	383
3832	Radio,television etc..	...	...	1250	42	6526	...	...	16.9	8.3	14.8	3832
384	Transport equipment	...	...	1481	1968	1038	...	...	11.0	10.2	8.9	384
3841	Shipbuilding, repair..	...	...	1480	1968	1038	...	...	10.9	10.2	8.9	3841
3843	Motor vehicles	...	...	-	-	-	...	...	-	-	-	3843
385	Professional goods	...	...	1067	2464	1247	...	...	15.1	18.2	18.0	385
390	Other industries	...	...	41978	44007	15890	...	...	257.2	253.3	185.6	390
3	Manufacturing	...	...	289559	260531	172155	...	...	1309.7	1449.6	1360.0	3
410	Electricity,gas,steam ..	...	...	72097	117062	422311	...	...	79.4	88.0	100.7	410
4101	Electricity	...	...	72097	117062	422311	...	...	79.4	88.0	100.7	4101
420	Water works and supply .	...	...	19956	19560	7043	...	...	14.0	14.7	25.6	420
4	Electricity,gas etc	...	...	92052	136622	429354	...	...	93.4	102.7	126.3	4
2-4	All industry	...	...	385750	398769	603306	...	...	1406.6	1557.3	1490.4	2-4

MALAYSIA

The information in the tables, except for the indices, is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Jabatan Perangkaan (Department of Statistics), Kuala Lumpur. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The data for mining are derived from the census of mining industries undertaken annually by the Department of Statistics. It covers all establishments engaged in iron-ore mining, tin-ore mining, gold mining, bauxite mining, amang treatment antimony mining, copper mining, crude petroleum and natural gas mining. The data for manufacturing are derived from the Annual Survey of Manufacturing Industries conducted by the Department of Statistics. The data in the tables are based on the revised national classification which is comparable with the present ISIC. The survey covers all establishments registered under the Industrial Co-ordination Act (I.C.A.) 1975. The coverage of the survey data for reference year 1982 is based on the results of the census for reference year 1973, while that for 1983, 1984 and 1985 is based on the census for reference year 1981. The coverage of the annual survey is reviewed after a census to ensure that the survey design covers about the same percentage of the output value, value added and employment of the total manufacturing sector in any one year. The coverage of the annual survey represents the major output of the total manufacturing sector in Malaysia. Both the mining and manufacturing inquiries are carried out on the basis of a complete enumeration by mail and field contact. The period of reference is basically the calendar year. However, the figures include data for accounting years not coinciding with the calendar year.

Numbers of persons engaged and employees relate to 31 December or the last pay period of the reference year. The number of employees refers to full-time and part-time paid employees (full-time employees are those who normally work at least 6 hours a day and at least 20 days a month). Persons employed through labour contractors are also included. Wages and salaries represent all payments made during the year to all persons engaged other than working proprietors and unpaid family workers. Employers' contributions to provident funds and payments to homeworkers are excluded. Data on number of operatives and wages and salaries of operatives cover workers directly employed (excluding managerial, technical, supervisory, clerical and general workers) and workers employed through labour contractors.

Output refers to the value of products manufactured by the establishment, plus receipts from industrial services rendered to others, value of stock changes of finished and semi-finished goods and value of goods sold in the same condition as purchased. Value added is derived as the difference between the value of output and the cost of materials, supplies and fuels consumed, electricity purchased, work done by others and goods sold in the same condition as purchased. Gross fixed capital formation represents the value of purchases of new and used fixed assets and own-account construction of fixed assets during the year less the value of corresponding sales.

The indices of industrial production are compiled by the Department of Statistics and provided in response to the United Nations Questionnaire on Indices of Industrial Production.

Related national publications:

Census of Mining Industries (annual); Survey of Manufacturing Industries (annual); Industrial Surveys, Malaysia; Annual Statistical Bulletin, Malaysia; Monthly Statistical Bulletin, all published by the Jabatan Perangkaan (Department of Statistics), Kuala Lumpur.

MALAYSIA

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/b/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	c/	c/	c/	2	...	c/	c/	c/	c/	...	210
220	Petroleum and gas	5	5	5	5	...	5.7	5.6	5.8	6.0	...	220
230	Metal ore mining	467	351	369	388	...	16.9	15.1	15.8	17.8	...	230
290	Other mining	c/ 209	c/ 195	c/ 187	194	...	c/ 8.9	c/ 7.9	c/ 8.2	c/ 9.5	...	290
2	Mining, quarrying .	681	551	561	589	...	31.5	28.6	29.8	33.3	...	2
311/2	Food products	1276	1295	1298	1329	...	64.7	68.6	71.2	73.5	...	311/2
313	Beverages	63	62	62	61	...	5.4	5.1	4.9	4.3	...	313
314	Tobacco	20	19	18	32	...	4.3	4.3	3.3	5.0	...	314
321	Textiles	174	178	200	204	...	27.0	28.1	32.4	34.4	...	321
3211	Spinning,weaving etc..	81	84	93	97	...	18.0	18.4	18.8	19.9	...	3211
322	Wearing apparel	195	198	214	237	...	34.2	39.4	46.2	55.6	...	322
323	Leather and products ...	22	18	21	21	...	0.6	0.5	0.7	0.7	...	323
324	Footwear	11	10	9	9	...	0.9	0.9	0.8	1.6	...	324
331	Wood products	633	625	618	659	...	52.6	56.3	64.2	74.2	...	331
332	Furniture, fixtures	323	305	299	295	...	9.0	9.3	12.3	13.6	...	332
341	Paper and products	111	115	109	113	...	7.1	9.0	10.1	11.3	...	341
3411	Pulp,paper etc.	11	10	6	9	...	0.8	2.2	2.2	2.6	...	3411
342	Printing,publishing	249	242	238	238	...	19.5	19.3	20.0	20.2	...	342
351	Industrial chemicals ...	87	89	84	86	...	6.6	7.1	7.9	8.6	...	351
3511	Basic excl fertilizers	44	48	46	46	...	3.7	4.5	4.5	5.0	...	3511
3513	Synthetic resins etc .	16	13	12	15	...	0.8	0.8	1.2	1.4	...	3513
352	Other chemical products.	143	138	133	142	...	9.6	9.2	10.1	11.3	...	352
3522	Drugs and medicines ..	30	29	27	31	...	2.0	2.0	2.1	2.5	...	3522
353	Petroleum refineries ...	11	11	11	10	...	1.5	1.1	1.1	1.1	...	353
354	Petroleum,coal products.	28	25	26	27	...	1.1	0.9	1.0	0.8	...	354
355	Rubber products	274	283	312	331	...	32.3	37.5	47.0	52.7	...	355
356	Plastic products n.e.c..	248	249	254	266	...	16.3	18.1	20.3	26.8	...	356
361	Pottery,china etc	20	21	24	32	...	2.6	4.5	4.8	6.4	...	361
362	Glass and products	22	19	22	23	...	2.4	2.1	2.8	3.1	...	362
369	Non-metal products n.e.c	347	319	313	325	...	19.0	17.5	18.6	21.3	...	369
371	Iron and steel	133	125	109	117	...	10.0	10.7	10.2	11.2	...	371
372	Non-ferrous metals	15	16	18	20	...	2.5	2.7	3.0	3.4	...	372
381	Metal products	491	467	464	485	...	18.6	19.2	24.0	27.8	...	381
382	Machinery n.e.c.	348	347	341	361	...	13.5	14.5	16.1	18.0	...	382
3825	Office,computing etc..	3	8	6	7	...	-	0.2	...	0.3	...	3825
383	Electrical machinery ...	220	220	242	291	...	86.2	100.3	131.5	161.1	...	383
3832	Radio,television etc..	113	115	138	173	...	77.5	90.0	117.1	143.5	...	3832
384	Transport equipment	223	221	213	230	...	15.8	14.5	14.9	20.3	...	384
3841	Shipbuilding, repair..	65	66	64	68	...	4.5	3.8	2.7	3.4	...	3841
3843	Motor vehicles	108	105	100	113	...	8.2	7.8	8.7	12.4	...	3843
385	Professional goods	12	14	16	18	...	5.5	6.3	8.0	9.7	...	385
390	Other industries	115	110	114	130	...	10.1	10.6	11.2	14.5	...	390
3	Manufacturing	5814	5741	5782	6092	...	478.9	517.8	598.6	692.5	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: selected industries; for coverage, see country note.
b/ At 31 December or last pay period of the year indicated. c/ Major group 210 is included in 290.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/b/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES b/ (MILLION RINGGIT)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining ..... c/	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	5.7	5.6	5.7	6.0	...	356	353	331	345	...	220
230	Metal ore mining	16.6	14.7	15.5	17.6	...	127	120	130	154	...	230
290	Other mining ..... c/	8.7	7.7	8.1	9.3	...	78	69	71	87	...	290
2	Mining, quarrying .	31.0	28.0	29.3	32.9	...	561	542	532	586	...	2
311/2	Food products	63.6	67.5	70.1	72.4	...	446	478	501	546	...	311/2
313	Beverages	5.4	5.1	4.8	4.3	...	59	64	65	57	...	313
314	Tobacco	4.2	4.3	3.3	5.0	...	60	71	58	58	...	314
321	Textiles	26.9	28.1	32.4	34.4	...	161	176	198	221	...	321
3211	Spinning,weaving etc..	18.0	18.4	18.8	19.9	...	116	124	129	141	...	3211
322	Wearing apparel	34.1	39.3	46.2	55.5	...	158	185	225	289	...	322
323	Leather and products ...	0.6	0.5	0.7	0.7	...	3	3	3	4	...	323
324	Footwear	0.9	0.9	0.8	1.6	...	6	6	5	9	...	324
331	Wood products	52.4	56.1	64.0	74.0	...	318	349	412	511	...	331
332	Furniture, fixtures	8.6	9.0	12.0	13.3	...	51	47	59	69	...	332
341	Paper and products	7.1	9.0	10.1	11.2	...	49	77	86	101	...	341
3411	Pulp,paper etc.	0.8	2.2	2.2	2.6	...	6	d/ 29	31	36	...	3411
342	Printing,publishing	19.5	19.3	19.9	20.1	...	197	189	204	223	...	342
351	Industrial chemicals ...	6.6	7.1	7.9	8.6	...	120	132	148	158	...	351
3511	Basic excl fertilizers	3.7	4.5	4.5	5.0	...	78	92	85	94	...	3511
3513	Synthetic resins etc .	0.8	0.8	1.2	1.4	...	8	7	14	15	...	3513
352	Other chemical products.	9.6	9.7	10.0	11.2	...	113	109	117	136	...	352
3522	Drugs and medicines ..	2.0	2.0	2.1	2.5	...	20	20	22	26	...	3522
353	Petroleum refineries ...	1.5	1.1	1.1	1.1	...	39	36	38	41	...	353
354	Petroleum,coal products.	1.1	0.9	1.0	0.8	...	10	8	10	8	...	354
355	Rubber products	32.3	37.5	46.9	52.7	...	225	250	289	358	...	355
356	Plastic products n.e.c..	16.2	18.1	20.3	26.7	...	88	98	109	149	...	356
361	Pottery,china etc	2.6	4.5	4.8	6.4	...	15	19	24	36	...	361
362	Glass and products	2.4	2.1	2.8	3.1	...	27	26	28	35	...	362
369	Non-metal products n.e.c	18.9	17.3	18.4	21.2	...	167	152	174	202	...	369
371	Iron and steel	9.9	10.6	10.1	11.1	...	104	113	120	133	...	371
372	Non-ferrous metals	2.5	2.7	3.0	3.4	...	28	27	31	37	...	372
381	Metal products	18.3	18.9	23.7	27.6	...	139	139	202	235	...	381
382	Machinery n.e.c.	13.2	14.2	15.8	17.7	...	109	128	146	176	...	382
3825	Office,computing etc..	-	0.2	0.2	0.3	...	1	3	2	3	...	3825
383	Electrical machinery ...	86.2	100.3	131.5	161.1	...	683	761	922	1223	...	383
3832	Radio,television etc..	77.5	90.0	117.1	143.5	...	593	671	807	1076	...	3832
384	Transport equipment	15.7	14.4	14.8	20.2	...	177	141	144	190	...	384
3841	Shipbuilding, repair..	4.4	3.7	2.6	3.3	...	61	49	30	34	...	3841
3843	Motor vehicles	8.2	7.8	8.6	12.4	...	90	67	82	117	...	3843
385	Professional goods	5.5	6.3	8.0	9.7	...	31	37	48	62	...	385
390	Other industries	10.0	10.5	11.1	14.4	...	47	54	58	74	...	390
3	Manufacturing	475.8	514.8	595.6	689.5	...	3632	3872	4426	5340	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ At 31 December or last pay period of the year indicated.
b/ Manufacturing: selected industries; for coverage, see country note.
c/ Major group 210 is included in 290.
d/ Value added is less than corresponding wages and salaries due to operating losses.

MALAYSIA

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES a/ (MILLION RINGGIT)					6. AVERAGE NUMBER OF OPERATIVES a/b/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining ..... c/	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	32.9	31.8	33.4	37.7	...	3.3	3.2	3.3	3.4	...	220
230	Metal ore mining	10.4	9.4	9.7	10.4	...	14.2	12.8	13.4	15.4	...	230
290	Other mining ..... c/	4.8	4.2	4.0	4.5	...	7.0	6.3	6.4	7.6	...	290
2	Mining, quarrying .	48.1	45.4	47.1	52.6	...	24.5	22.3	23.1	26.4	...	2
311/2	Food products	41.4	45.3	46.7	50.3	...	55.5	59.5	61.7	65.9	...	311/2
313	Beverages	6.4	6.8	6.6	6.1	...	4.5	4.2	1.5	3.8	...	313
314	Tobacco	7.1	9.1	5.1	6.5	...	3.8	3.8	2.4	4.6	...	314
321	Textiles	17.0	17.7	19.8	20.7	...	25.4	26.5	33.3	32.6	...	321
3211	Spinning,weaving etc..	12.8	13.0	13.3	13.6	...	17.0	17.4	17.8	18.9	...	3211
322	Wearing apparel	14.6	17.3	19.5	26.7	...	32.3	37.4	43.8	52.4	...	322
323	Leather and products ...	0.3	0.3	0.3	0.3	...	0.5	0.5	0.6	0.7	...	323
324	Footwear	0.5	0.5	0.4	0.8	...	0.9	0.8	0.7	1.5	...	324
331	Wood products	21.1	21.5	23.6	26.9	...	47.5	51.0	58.7	70.2	...	331
332	Furniture, fixtures	3.3	3.4	4.6	4.8	...	7.6	8.2	11.3	12.8	...	332
341	Paper and products	4.7	6.4	7.3	8.8	...	6.3	7.9	9.0	10.2	...	341
3411	Pulp,paper etc.	0.6	1.5	2.3	2.5	...	0.6	1.8	1.8	2.2	...	3411
342	Printing,publishing	19.0	18.9	19.8	21.1	...	16.7	16.3	16.6	17.9	...	342
351	Industrial chemicals ...	9.8	11.2	12.9	14.6	...	5.2	5.5	6.1	7.0	...	351
3511	Basic excl fertilizers	5.1	7.1	6.9	8.6	...	2.8	3.3	3.4	3.7	...	3511
3513	Synthetic resins etc .	0.8	0.8	1.3	1.4	...	0.6	0.6	1.0	1.2	...	3513
352	Other chemical products.	12.6	14.3	16.9	15.5	...	8.0	7.8	8.5	9.8	...	352
3522	Drugs and medicines ..	2.2	2.2	2.3	2.8	...	1.7	1.7	1.7	2.1	...	3522
353	Petroleum refineries ...	4.5	3.8	4.4	4.9	...	1.0	0.8	0.7	0.8	...	353
354	Petroleum,coal products.	0.9	0.7	0.9	0.7	...	0.7	0.6	0.8	0.7	...	354
355	Rubber products	24.8	27.6	32.3	38.3	...	29.7	34.6	43.5	50.2	...	355
356	Plastic products n.e.c..	9.2	10.2	11.1	13.8	...	14.6	16.5	18.6	25.1	...	356
361	Pottery,china etc	1.5	2.0	1.9	3.3	...	2.4	4.2	4.6	6.1	...	361
362	Glass and products	2.7	2.6	2.9	3.5	...	1.9	1.8	2.5	2.8	...	362
369	Non-metal products n.e.c	15.2	14.5	15.2	17.3	...	16.2	14.9	16.1	19.4	...	369
371	Iron and steel	9.2	11.7	12.7	14.7	...	8.6	9.3	8.9	9.8	...	371
372	Non-ferrous metals	3.2	3.7	3.3	3.9	...	2.3	2.4	2.7	3.1	...	372
381	Metal products	12.8	13.0	17.8	20.4	...	16.5	17.3	21.5	25.6	...	381
382	Machinery n.e.c.	10.6	11.3	13.2	15.2	...	11.6	12.9	14.6	16.5	...	382
3825	Office,computing etc..	0.1	0.3	0.2	0.3	...	-	...	0.2	0.3	...	3825
383	Electrical machinery ...	73.0	80.4	96.6	127.9	...	81.0	94.3	125.0	153.4	...	383
3832	Radio,television etc..	64.1	58.6	84.3	112.7	...	73.2	84.9	111.6	136.9	...	3832
384	Transport equipment	16.8	13.2	13.0	18.7	...	13.6	12.6	13.2	18.5	...	384
3841	Shipbuilding, repair..	5.6	3.9	2.1	2.2	...	3.8	3.2	2.5	3.1	...	3841
3843	Motor vehicles	8.3	6.5	7.4	12.3	...	7.1	6.8	7.6	11.2	...	3843
385	Professional goods	3.6	3.7	5.0	6.6	...	5.2	6.0	6.6	9.3	...	385
390	Other industries	4.9	5.8	5.8	7.3	...	9.5	10.0	10.5	13.9	...	390
3	Manufacturing	350.7	376.9	419.9	499.6	...	429.1	467.7	544.0	644.7	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: selected industries; for coverage, see country note.
b/ At 31 December or last pay period of the year indicated. c/ Major group 210 is included in 290.

ISIC	INDUSTRY	7. WAGES AND SALARIES OF OPERATIVES a/ (MILLION RINGGIT)					8. QUANTITY OF ELECTRICITY CONSUMED a/b/ (MILLION KWH)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining ..... c/	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	94	93	92	94	...	163	161	156	169	...	220
230	Metal ore mining	96	90	97	120	...	319	385	478	398	...	230
290	Other mining ..... c/	57	50	52	61	...	52	37	34	36	...	290
2	Mining, quarrying .	247	233	241	277	...	534	583	668	603	...	2
311/2	Food products	323	346	365	414	...	755	738	773	872	...	311/2
313	Beverages	41	44	44	44	...	44	40	42	41	...	313
314	Tobacco	42	50	40	41	...	26	23	18	25	...	314
321	Textiles	134	147	165	187	...	325	361	345	374	...	321
3211	Spinning,weaving etc..	96	103	108	119	...	299	330	304	329	...	3211
322	Wearing apparel	139	165	200	262	...	39	46	58	69	...	322
323	Leather and products ...	2	2	3	3	...	1	1	2	2	...	323
324	Footwear	5	5	4	7	...	1	1	1	2	...	324
331	Wood products	263	292	346	451	...	221	223	267	336	...	331
332	Furniture, fixtures	42	40	51	60	...	17	19	29	35	...	332
341	Paper and products	36	55	62	75	...	56	152	256	263	...	341
3411	Pulp,paper etc.	4	19	21	26	...	13	115	204	208	...	3411
342	Printing,publishing	147	142	145	173	...	44	44	45	48	...	342
351	Industrial chemicals ...	57	67	76	87	...	524	551	643	771	...	351
3511	Basic excl fertilizers	31	43	40	50	...	422	461	503	626	...	3511
3513	Synthetic resins etc .	5	5	9	9	...	10	10	43	43	...	3513
352	Other chemical products.	70	68	72	89	...	42	39	58	65	...	352
3522	Drugs and medicines ..	14	14	15	17	...	6	5	8	11	...	3522
353	Petroleum refineries ...	18	17	17	21	...	89	59	86	99	...	353
354	Petroleum,coal products.	5	5	6	5	...	5	3	5	3	...	354
355	Rubber products	171	192	224	289	...	216	208	354	391	...	355
356	Plastic products n.e.c..	67	74	84	118	...	126	119	164	197	...	356
361	Pottery,china etc	11	14	21	29	...	10	11	18	33	...	361
362	Glass and products	19	18	22	26	...	46	38	76	94	...	362
369	Non-metal products n.e.c	122	111	129	157	...	387	457	534	670	...	369
371	Iron and steel	77	81	87	98	...	511	476	645	622	...	371
372	Non-ferrous metals	22	20	23	27	...	31	38	41	51	...	372
381	Metal products	109	108	161	184	...	60	65	98	149	...	381
382	Machinery n.e.c.	83	99	115	132	...	37	47	54	75	...	382
3825	Office,computing etc..	1	2	1	2	...	-	1	...	-	...	3825
383	Electrical machinery ...	521	575	712	957	...	473	492	664	891	...	383
3832	Radio,television etc..	456	510	628	847	...	417	425	580	772	...	3832
384	Transport equipment	130	100	108	144	...	72	58	76	103	...	384
3841	Shipbuilding, repair..	45	37	26	29	...	24	11	8	7	...	3841
3843	Motor vehicles	65	47	60	88	...	38	37	54	81	...	3843
385	Professional goods	26	30	36	52	...	22	22	38	57	...	385
390	Other industries	37	44	47	61	...	27	36	36	43	...	390
3	Manufacturing	2719	2913	3365	4193	...	4210	4370	5426	6381	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	-	-	-	-	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: selected industries; for coverage, see country note.
b/ Electricity purchased only.
c/ Major group 210 is included in 290.

MALAYSIA

ISIC	INDUSTRY	9. OUTPUT IN FACTOR VALUES a/ (MILLION RINGGIT)					10. VALUE ADDED IN FACTOR VALUES a/ (MILLION RINGGIT)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining ..... b/	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	7444	8955	9061	11009	...	7091	8675	8757	10630	...	220
230	Metal ore mining	649	774	815	993	...	339	414	430	514	...	230
290	Other mining ..... b/	420	348	355	465	...	242	196	199	260	...	290
2	Mining, quarrying .	8513	10077	10231	12467	...	7672	9285	9386	11404	...	2
311/2	Food products	9779	11434	15328	16956	...	1708	1798	2276	2447	...	311/2
313	Beverages	569	596	651	736	...	269	313	322	370	...	313
314	Tobacco	1112	1119	772	939	...	528	535	378	390	...	314
321	Textiles	1388	1714	1975	2308	...	447	545	589	666	...	321
3211	Spinning,weaving etc..	1066	1298	1380	1558	...	347	423	410	457	...	3211
322	Wearing apparel	876	1184	1443	1904	...	295	367	471	601	...	322
323	Leather and products ...	21	22	29	33	...	6	6	8	10	...	323
324	Footwear	28	24	22	39	...	12	10	9	13	...	324
331	Wood products	2155	2579	3118	4160	...	742	867	1000	1265	...	331
332	Furniture, fixtures	243	241	322	393	...	98	90	117	145	...	332
341	Paper and products	439	573	818	1151	...	159	168	250	387	...	341
3411	Pulp,paper etc.	50	79	199	333	...	23	18 c/	69	107	...	3411
342	Printing,publishing	926	911	1043	1241	...	419	440	436	573	...	342
351	Industrial chemicals ...	3006	3442	4067	4431	...	1300	1538	1840	1880	...	351
3511	Basic excl fertilizers	2198	2589	2881	3095	...	1109	1354	1531	1528	...	3511
3513	Synthetic resins etc .	128	161	363	361	...	39	41	63	81	...	3513
352	Other chemical products.	1007	1044	1285	1541	...	397	417	469	569	...	352
3522	Drugs and medicines ..	146	153	170	209	...	63	66	72	80	...	3522
353	Petroleum refineries ...	2505	2698	2558	3491	...	420	261	273	615	...	353
354	Petroleum,coal products.	148	111	149	168	...	49	33	58	75	...	354
355	Rubber products	3504	4362	6281	5719	...	809	899	1336	1322	...	355
356	Plastic products n.e.c..	679	823	1130	1528	...	245	277	340	490	...	356
361	Pottery,china etc	62	89	120	183	...	37	52	69	100	...	361
362	Glass and products	176	189	222	302	...	74	87	105	144	...	362
369	Non-metal products n.e.c	1388	1334	1590	2046	...	675	651	820	1061	...	369
371	Iron and steel	1487	1696	2287	3192	...	347	433	430	680	...	371
372	Non-ferrous metals	612	657	835	1023	...	96	71	115	125	...	372
381	Metal products	1087	1214	1811	2472	...	346	370	507	754	...	381
382	Machinery n.e.c.	770	1151	1616	2122	...	251	330	461	658	...	382
3825	Office,computing etc..	10	29	16	26	...	3	13	4	7	...	3825
383	Electrical machinery ...	6833	9512	12904	18308	...	1858	2147	2714	3837	...	383
3832	Radio,television etc..	6120	8598	11508	16337	...	1666	1916	2342	3378	...	3832
384	Transport equipment	1112	1338	2016	3251	...	353	380	591	971	...	384
3841	Shipbuilding, repair..	198	200	119	216	...	65	60	42	138	...	3841
3843	Motor vehicles	634	853	1507	2466	...	226	236	431	697	...	3843
385	Professional goods	253	320	427	621	...	94	107	140	230	...	385
390	Other industries	262	321	378	545	...	121	125	135	211	...	390
3	Manufacturing	42427	50700	65197	80802	...	12154	13317	16259	20592	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: selected industries; for coverage, see country note.
b/ Major group 210 is included in 290.
c/ Value added is less than corresponding wages and salaries due to operating losses.

ISIC	INDUSTRY	11. GROSS FIXED CAPITAL FORMATION TOTAL a/ (MILLION RINGGIT)					12. VALUE OF STOCKS AT END OF PERIOD TOTAL a/ (MILLION RINGGIT)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining ..... b/	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	533	1049	1273	1540	...	...	...	...	...	...	220
230	Metal ore mining	-6	84	81	61	...	...	...	...	...	...	230
290	Other mining ..... b/	11	15	10	53	...	...	...	...	...	...	290
2	Mining, quarrying .	538	1148	1364	1654	...	...	...	...	...	...	2
311/2	Food products	316	295	302	426	...	923	1048	1458	1574	...	311/2
313	Beverages	34	46	42	60	...	84	83	71	92	...	313
314	Tobacco	17	26	-12	19	...	379	366	190	444	...	314
321	Textiles	50	71	110	220	...	251	294	326	464	...	321
3211	Spinning,weaving etc..	46	52	69	148	...	185	220	206	301	...	3211
322	Wearing apparel	28	47	85	71	...	175	234	280	365	...	322
323	Leather and products ...	1	1	1	1	...	6	7	7	8	...	323
324	Footwear	2	2	1	-	...	9	10	9	17	...	324
331	Wood products	83	109	211	318	...	296	290	402	529	...	331
332	Furniture, fixtures	14	8	32	22	...	46	43	52	57	...	332
341	Paper and products	38	1152	61	171	...	88	173	233	249	...	341
3411	Pulp,paper etc.	13	1129	38	41	...	10	78	89	91	...	3411
342	Printing,publishing	53	63	54	106	...	79	106	119	142	...	342
351	Industrial chemicals ...	50	56	86	164	...	275	268	423	365	...	351
3511	Basic excl fertilizers	38	39	61	101	...	129	124	162	144	...	3511
3513	Synthetic resins etc .	4	4	6	27	...	17	23	62	52	...	3513
352	Other chemical products	53	49	72	67	...	230	206	260	323	...	352
3522	Drugs and medicines ..	6	6	9	12	...	33	28	42	42	...	3522
353	Petroleum refineries ...	113	129	68	135	...	291	256	211	239	...	353
354	Petroleum,coal products.	3	6	2	2	...	12	13	12	9	...	354
355	Rubber products	68	129	483	454	...	492	587	883	732	...	355
356	Plastic products n.e.c..	57	48	82	222	...	116	162	193	233	...	356
361	Pottery,china etc	5	10	22	17	...	27	26	27	35	...	361
362	Glass and products	41	14	42	75	...	79	59	68	82	...	362
369	Non-metal products n.e.c	226	65	75	192	...	244	284	420	320	...	369
371	Iron and steel	-204	38	134	305	...	644	524	740	1004	...	371
372	Non-ferrous metals	5	5	16	31	...	150	155	141	142	...	372
381	Metal products	47	35	154	184	...	201	262	379	568	...	381
382	Machinery n.e.c.	67	166	170	136	...	238	299	244	350	...	382
3825	Office,computing etc..	-	4	1	1	...	2	11	4	6	...	3825
383	Electrical machinery ...	445	651	1150	1602	...	1061	1625	1955	2405	...	383
3832	Radio,television etc..	401	583	994	1415	...	887	1379	1629	2007	...	3832
384	Transport equipment	60	53	65	86	...	322	296	310	501	...	384
3841	Shipbuilding, repair..	13	13	4	9	...	69	46	27	124	...	3841
3843	Motor vehicles	32	37	43	51	...	176	191	221	309	...	3843
385	Professional goods	16	38	60	147	...	57	86	78	116	...	385
390	Other industries	11	16	17	21	...	78	80	64	129	...	390
3	Manufacturing	1699	3328	3585	5254	...	6853	7842	9555	11494	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: selected industries; for coverage, see country note.
b/ Major group 210 is included in 290.

MALAYSIA

13. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	104	130	163	163	182	184	197	214	223	10.5	2
311/2	Food products	107	107	120	132	143	153	160	184	194	8.6	311/2
313	Beverages	88	78	77	81	81	85	95	104	119	2.2	313
314	Tobacco	111	106	115	108	86	86	99	101	108	1.0	314
321	Textiles	...	...	...	...	...	...	...	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	106	105	132	128	144	170	189	218	228	10.9	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	...	...	...	...	...	...	...	...	...	...	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	90	92	105	111	126	143	148	154	157	5.8	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	116	118	130	123	141	172	287	301	327	16.0	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc											361
362	Glass and products	110	116	129	115	97	91	107	135	164	6.4	362
369	Non-metal products n.e.c											369
371	Iron and steel	105	124	165	131	102	125	166	198	226	10.7	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	119	107	160	154	149	173	183	178	212	9.8	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	128	150	206	157	223	272	329	388	519	22.9	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	96	111	120	121	88	91	160	222	294	14.4	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing ..... b/	109	116	130	122	133	150	177	197	232	11.1	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	110	127	137	158	172	186	206	230	262	12.8	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry b/c/	109	122	142	138	152	164	186	205	231	11.0	2-4

a/ Annual growth rate 1982-1990.
b/ Excluding other wearing apparel and made-up textiles; leather, fur and leather products; footwear; furniture and fixture; printing and publishing; non-electrical machinery and miscellaneous
c/ Excluding gas, steam and water works and supply.

MALTA

The information in the tables, except for the indices, is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Central Office of Statistics, Valletta. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

Mining and manufacturing data are derived from the census of production taken annually by the Central Office of Statistics, covering all establishments in mining and manufacturing industries. The inquiry is carried out by mail with a response rate of about 98 per cent. It should be noted that data concerning ship-repairing activities are excluded because of disclosure rules imposed by law. The data are compiled according to the national classification system which is in line with the present version of ISIC.

The data on persons engaged represent the monthly average of persons engaged on a full-time or part-time basis. Homeworkers are excluded. The numbers of employees and operatives relate to the average number of persons on the pay-roll during the last week of each month of the year.

Wages and salaries cover cash earnings of employees, including overtime payments, bonuses and commissions whether paid regularly or not, and excluding insurance contributions paid by employees. It should be noted, however, that wages and salaries of employees include employers' contributions to the national insurance scheme.

Output represents the value of sales and the net change between the beginning and the end of the year in the value of stocks of goods produced. The valuation is at the establishment price, excluding any discounts, commissions or rebates, but including charges for delivery. Value added is the difference between the value of output defined above and the cost of materials and fuels used, transport expenses, payments to homeworkers and the value of work given out. The estimates of output and value added exclude goods shipped in the same condition as received. The valuation of output and value added is in producers' prices.

The data on gross fixed capital formation refer to acquisitions less disposals of land, buildings, plant, machinery and vehicles during the reference year, valued before the addition of legal charges, stamp duties, agent's fees etc.

The indices of industrial production are compiled by the Central Office of Statistics and provided in response to the United Nations Questionnaire on Indices of Industrial Production. The indices cover, in principle, all industrial establishments.

Related national publications:

Census of Industrial Production Report; Annual Abstract of Statistics, both published by the Central Office of Statistics, Valletta.

MALTA

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED (NUMBER)				
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990
210	Coal mining	-	-	-	...	...	-	-	...	...	...
220	Petroleum and gas	-	-	-	...	...	-	-	...	...	...
230	Metal ore mining	-	-	-	...	...	-	-	...	...	...
290	Other mining	45	38	37	...	...	260	270	...	...	...
2	Mining, quarrying .	45	38	37	...	...	260	270	...	...	...
311/2	Food products	346	354	354	...	...	2406	2557	...	...	...
313	Beverages	26	26	26	...	...	1166	1264	...	...	...
314	Tobacco	6	6	5	...	...	770	543	...	...	...
321	Textiles	21	22	23	...	...	1026	839	...	...	...
3211	Spinning,weaving etc..	...	3	3	...	...	...	180	...	...	...
322	Wearing apparel	144	137	130	...	...	7606	7445	...	...	...
323	Leather and products ...	7	8	8	...	...	96	55	...	...	...
324	Footwear	22	22	21	...	...	1207	1135	...	...	...
331	Wood products	95	95	91	...	...	233	256	...	...	...
332	Furniture, fixtures	276	274	314	...	...	1683	1621	...	...	...
341	Paper and products	11	10	10	...	...	281	266	...	...	...
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...
342	Printing,publishing	68	68	67	...	...	1336	1368	...	...	...
351	Industrial chemicals ...	5	5	5	...	...	100	101	...	...	...
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...
352	Other chemical products. a/	27	32	33	...	...	383	444	...	...	...
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...
353	Petroleum refineries ...	-	-	-	...	...	-	-	...	...	...
354	Petroleum,coal products. a/	...	...	...	...	...	...	...	...	...	...
355	Rubber products	8	7	9	...	...	644	731	...	...	...
356	Plastic products n.e.c..	15	15	17	...	...	431	553	...	...	...
361	Pottery,china etc	6	5	7	...	...	65	66	...	...	...
362	Glass and products	4	6	8	...	...	92	98	...	...	...
369	Non-metal products n.e.c	75	68	68	...	...	697	666	...	...	...
371	Iron and steel	-	-	-	...	...	-	-	...	...	...
372	Non-ferrous metals	-	-	-	...	...	-	-	...	...	...
381	Metal products	138	136	141	...	...	1135	1090	...	...	...
382	Machinery n.e.c.	20	21	22	...	...	667	708	...	...	...
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...
383	Electrical machinery ...	36	37	42	...	...	1824	1917	...	...	...
3832	Radio,television etc..	13	14	13	...	...	1257	1334	...	...	...
384	Transport equipment .... b/	35	33	37	...	...	1523	2786	...	...	...
3841	Shipbuilding, repair..	25	23	26	...	...	1429	2690	...	...	...
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...
385	Professional goods	9	9	10	...	...	1114	1179	...	...	...
390	Other industries	92	91	87	...	...	1141	1005	...	...	...
3	Manufacturing ..... b/	1492	1487	1535	...	...	27630	28699	...	...	...
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...
4101	Electricity	...	...	...	...	...	...	...	...	...	...
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...
2-4	All industry	...	...	...	...	...	...	...	...	...	...

a/ Major group 354 is included in 352.

b/ Excluding data for the Malta Drydocks.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES (NUMBER)					4. WAGES AND SALARIES OF EMPLOYEES a/ (THOUSAND POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	...	...	-	-	-	...	...	210
220	Petroleum and gas	-	-	-	...	...	-	-	-	...	...	220
230	Metal ore mining	-	-	-	...	...	-	-	-	...	...	230
290	Other mining	207	223	230	...	...	436	473	441	...	...	290
2	Mining, quarrying .	207	223	230	...	...	436	473	441	...	...	2
311/2	Food products	2069	2211	2285	...	...	4859	5310	5569	...	...	311/2
313	Beverages	1151	1249	1262	...	...	3569	3898	4197	...	...	313
314	Tobacco	769	541	488	...	...	2017	1595	1281	...	...	314
321	Textiles	1019	833	857	...	...	2052	1923	1972	...	...	321
3211	Spinning,weaving etc..	...	178	176	...	...	...	545	573	...	...	3211
322	Wearing apparel	7520	7365	6751	...	...	16940	16322	15560	...	...	322
323	Leather and products ...	92	53	53	...	...	179	113	116	...	...	323
324	Footwear	1201	1126	1073	...	...	2500	2676	2492	...	...	324
331	Wood products	141	169	140	...	...	253	329	300	...	...	331
332	Furniture, fixtures	1374	1381	1420	...	...	3104	2909	3147	...	...	332
341	Paper and products	278	261	267	...	...	721	633	666	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	1298	1333	1303	...	...	3866	3988	4158	...	...	342
351	Industrial chemicals ...	100	101	101	...	...	240	247	245	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. b/	371	430	441	...	...	990	1170	1278	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	-	-	-	...	...	-	-	-	...	...	353
354	Petroleum,coal products. b/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	639	727	736	...	...	2111	2044	2701	...	...	355
356	Plastic products n.e.c..	430	550	651	...	...	1117	1301	1717	...	...	356
361	Pottery,china etc	63	65	70	...	...	124	127	137	...	...	361
362	Glass and products	92	97	86	...	...	242	252	223	...	...	362
369	Non-metal products n.e.c	637	619	661	...	...	1361	1382	1433	...	...	369
371	Iron and steel	-	-	-	...	...	-	-	-	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products	1025	985	1065	...	...	2949	2682	3074	...	...	381
382	Machinery n.e.c.	657	697	663	...	...	1804	1925	1874	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	1815	1909	2311	...	...	4695	5061	5918	...	...	383
3832	Radio,television etc..	1266	1333	1586	...	...	3346	3622	4115	...	...	3832
384	Transport equipment .... c/	1499	2765	2619	...	...	3414	5687	6403	...	...	384
3841	Shipbuilding, repair..	1412	2676	2511	...	...	3237	5487	6148	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	1113	1178	1148	...	...	2901	2947	2833	...	...	385
390	Other industries	1048	928	800	...	...	2469	2234	1902	...	...	390
3	Manufacturing ..... c/	26401	27573	27251	...	...	64477	66755	69196	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Excluding payments in kind and employees' contributions to national insurance schemes. Employers' payments to these schemes are included.
b/ Major group 354 is included in 352.
c/ Excluding data for the Malta Drydocks.

MALTA

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES (NUMBER)					6. WAGES AND SALARIES OF OPERATIVES a/ (THOUSAND POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	...	...	-	-	-	...	...	210
220	Petroleum and gas	-	-	-	...	...	-	-	-	...	...	220
230	Metal ore mining	-	-	-	...	...	-	-	-	...	...	230
290	Other mining	185	198	207	...	...	334	371	336	...	...	290
2	Mining, quarrying .	185	198	207	...	...	334	371	336	...	...	2
311/2	Food products	1622	1749	1817	...	...	3253	3599	3678	...	...	311/2
313	Beverages	825	895	884	...	...	2139	2416	2486	...	...	313
314	Tobacco	629	417	394	...	...	1378	1081	837	...	...	314
321	Textiles	909	758	782	...	...	1621	1571	1596	...	...	321
3211	Spinning,weaving etc..	...	162	159	...	...	...	443	476	...	...	3211
322	Wearing apparel	6767	6566	5971	...	...	13323	12681	11791	...	...	322
323	Leather and products ...	86	49	49	...	...	150	95	98	...	...	323
324	Footwear	1088	1005	952	...	...	2025	2195	1990	...	...	324
331	Wood products	131	154	130	...	...	217	269	251	...	...	331
332	Furniture, fixtures	1136	1146	1172	...	...	2197	2084	2236	...	...	332
341	Paper and products	207	193	208	...	...	454	386	386	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	901	937	910	...	...	2341	2411	2497	...	...	342
351	Industrial chemicals ...	64	62	62	...	...	136	136	134	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. b/	255	276	275	...	...	528	595	646	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	-	-	-	...	...	-	-	-	...	...	353
354	Petroleum,coal products. b/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	528	634	633	...	...	1689	1630	2170	...	...	355
356	Plastic products n.e.c..	341	444	509	...	...	765	886	1181	...	...	356
361	Pottery,china etc	48	50	56	...	...	86	93	90	...	...	361
362	Glass and products	67	75	67	...	...	149	163	140	...	...	362
369	Non-metal products n.e.c	549	523	551	...	...	1055	1051	1056	...	...	369
371	Iron and steel	-	-	-	...	...	-	-	-	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products	827	799	797	...	...	2080	1881	2091	...	...	381
382	Machinery n.e.c.	566	599	568	...	...	1397	1498	1461	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	1376	1400	1744	...	...	2901	3098	3400	...	...	383
3832	Radio,television etc..	973	979	1214	...	...	2009	2147	2293	...	...	3832
384	Transport equipment .... c/	1185	2221	2051	...	...	2641	4201	4142	...	...	384
3841	Shipbuilding, repair..	1130	2148	1979	...	...	2546	4086	4007	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	842	931	918	...	...	1747	1926	1854	...	...	385
390	Other industries	876	758	636	...	...	1829	1557	1281	...	...	390
3	Manufacturing ..... c/	21825	22641	22136	...	...	46101	47503	47492	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Excluding payments in kind and employees' contributions to national insurance schemes. Employers' payments to these schemes are included.
b/ Major group 354 is included in 352. c/ Excluding data for the Malta Drydocks.

ISIC	INDUSTRY	7. OUTPUT IN PRODUCERS' PRICES a/ (THOUSAND POUNDS)					8. VALUE ADDED IN PRODUCERS' PRICES (THOUSAND POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	...	...	-	-	-	...	...	210
220	Petroleum and gas	-	-	-	...	...	-	-	-	...	...	220
230	Metal ore mining	-	-	-	...	...	-	-	-	...	...	230
290	Other mining	1616	1836	1914	...	...	871	941	1017	...	...	290
2	Mining, quarrying .	1616	1836	1914	...	...	871	941	1017	...	...	2
311/2	Food products	50839	52856	54428	...	...	13782	14626	15575	...	...	311/2
313	Beverages	16718	20162	23031	...	...	11169	12906	14353	...	...	313
314	Tobacco	15459	14978	13472	...	...	3728	2170	2344	...	...	314
321	Textiles	6940	7160	7453	...	...	3964	3424	3667	...	...	321
3211	Spinning,weaving etc..	...	3029	2847	...	...	...	1099	1206	...	...	3211
322	Wearing apparel	68338	64520	60157	...	...	30319	28632	25671	...	...	322
323	Leather and products ...	512	385	392	...	...	338	203	204	...	...	323
324	Footwear	11164	10352	10512	...	...	4352	4304	3532	...	...	324
331	Wood products	1076	1299	1169	...	...	536	667	619	...	...	331
332	Furniture, fixtures	9227	9390	12471	...	...	4827	5030	6758	...	...	332
341	Paper and products	3838	3065	3593	...	...	1578	1097	1476	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	14258	15130	16061	...	...	6961	7254	8235	...	...	342
351	Industrial chemicals ...	1576	1716	1693	...	...	842	917	913	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. b/	7966	8356	9704	...	...	2313	2863	3720	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	-	-	-	...	...	-	-	-	...	...	353
354	Petroleum,coal products. b/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	6597	7691	8233	...	...	3874	5229	5226	...	...	355
356	Plastic products n.e.c..	4466	4710	5576	...	...	2141	2369	2664	...	...	356
361	Pottery,china etc	226	297	352	...	...	155	210	235	...	...	361
362	Glass and products	931	1256	840	...	...	397	612	360	..	...	362
369	Non-metal products n.e.c	10263	10407	10787	...	...	2595	2559	3088	...	...	369
371	Iron and steel	-	-	-	...	...	-	-	-	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products	13533	14711	17346	...	...	5125	5009	5999	...	...	381
382	Machinery n.e.c.	7005	7784	6379	...	...	3272	3243	3084	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	42296	50062	80381	...	...	13181	14729	25405	...	...	383
3832	Radio,television etc..	33799	40971	70205	...	...	10394	11624	21168	...	...	3832
384	Transport equipment .... c/	6124	11349	14509	...	...	3876	5879	5777	...	...	384
3841	Shipbuilding, repair..	5566	10721	13433	...	...	3584	5584	5309	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	14365	14583	14550	...	...	5573	5951	5404	...	...	385
390	Other industries	13400	14287	12139	...	...	5590	6310	5347	...	...	390
3	Manufacturing ..... c/	327117	346506	385228	...	...	130488	136193	149656	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	..	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Excluding goods sold in the same condition as received.
b/ Major group 354 is included in 352.
c/ Excluding data for the Malta Drydocks.

MALTA

ISIC	INDUSTRY	9. GROSS FIXED CAPITAL FORMATION TOTAL (THOUSAND POUNDS)					10. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT (THOUSAND POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	...	...	-	-	-	...	...	210
220	Petroleum and gas	-	-	-	...	...	-	-	-	...	...	220
230	Metal ore mining	-	-	-	...	...	-	-	-	...	...	230
290	Other mining	33	219	119	...	...	21	145	48	...	...	290
2	Mining, quarrying .	33	219	119	...	...	21	145	48	...	...	2
311/2	Food products	1846	1523	1466	...	...	1329	1189	966	...	...	311/2
313	Beverages	1303	2423	2248	...	...	718	2010	1699	...	...	313
314	Tobacco	149	80	73	...	...	85	9	70	...	...	314
321	Textiles	176	327	941	...	...	154	300	906	...	...	321
3211	Spinning,weaving etc..	...	246	847	...	...	...	244	837	...	...	3211
322	Wearing apparel	1061	1235	1621	...	...	983	1140	1556	...	...	322
323	Leather and products ...	-	-	-	...	...	-	-	-	...	...	323
324	Footwear	150	151	105	...	...	138	142	98	...	...	324
331	Wood products	9	21	11	...	...	7	6	4	...	...	331
332	Furniture, fixtures	451	469	704	...	...	174	148	335	...	...	332
341	Paper and products	120	84	65	...	...	98	66	51	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	505	280	520	...	...	469	234	463	...	...	342
351	Industrial chemicals ...	229	29	37	...	...	167	26	25	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. a/	278	180	438	...	...	244	150	324	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	-	-	-	...	...	-	-	-	...	...	353
354	Petroleum,coal products. a/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	65	175	206	...	...	65	160	144	...	...	355
356	Plastic products n.e.c..	237	357	512	...	...	226	247	433	...	...	356
361	Pottery,china etc	6	7	1	...	...	1	1	-	...	...	361
362	Glass and products	20	23	26	...	...	16	13	12	...	...	362
369	Non-metal products n.e.c	283	304	555	...	...	139	207	236	...	...	369
371	Iron and steel	-	-	-	...	...	-	-	-	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products	480	434	2266	...	...	362	331	1974	...	...	381
382	Machinery n.e.c.	39	168	360	...	...	26	159	330	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	3297	552	5238	...	...	3079	376	5146	...	...	383
3832	Radio,television etc..	2984	296	4672	...	...	2835	152	4622	...	...	3832
384	Transport equipment .... b/	2803	1923	1016	...	...	1524	657	846	...	...	384
3841	Shipbuilding, repair..	2781	1901	943	...	...	1503	638	786	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	1129	1269	755	...	...	869	978	721	...	...	385
390	Other industries	341	361	282	...	...	316	352	245	...	...	390
3	Manufacturing ..... b/	14977	12378	19446	...	...	11188	8903	16587	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas,etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Major group 354 is included in 352.

b/ Excluding data for the Malta Drydocks.

11. VALUE OF STOCKS AT END OF PERIOD
TOTAL
(THOUSAND POUNDS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	-	-	-	...	...	210
220	Petroleum and gas	-	-	-	...	...	220
230	Metal ore mining	-	-	-	...	...	230
290	Other mining	67	111	96	...	...	290
2	Mining, quarrying	67	111	96	...	...	2
311/2	Food products	6921	7385	8069	...	...	311/2
313	Beverages	5357	4705	5296	...	...	313
314	Tobacco	2242	1764	1859	...	...	314
321	Textiles	2430	2036	2176	...	...	321
3211	Spinning,weaving etc.	...	992	1055	...	...	3211
322	Wearing apparel	9479	7649	5239	...	...	322
323	Leather and products	77	64	20	...	...	323
324	Footwear	1371	2160	1836	...	...	324
331	Wood products	144	141	122	...	...	331
332	Furniture, fixtures	3060	3149	4473	...	...	332
341	Paper and products	1076	826	974	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	2803	2923	2849	...	...	342
351	Industrial chemicals	313	309	330	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	3513
352	Other chemical products. a/	2371	2812	3399	...	...	352
3522	Drugs and medicines	...	...	...	...	...	3522
353	Petroleum refineries	-	-	-	...	...	353
354	Petroleum,coal products. a/	...	...	...	...	...	354
355	Rubber products	1023	1162	724	...	...	355
356	Plastic products n.e.c.	935	985	1114	...	...	356
361	Pottery,china etc	46	90	94	...	...	361
362	Glass and products	73	271	116	...	...	362
369	Non-metal products n.e.c	858	997	1191	...	...	369
371	Iron and steel	-	-	-	...	...	371
372	Non-ferrous metals	-	-	-	...	...	372
381	Metal products	3117	3096	4032	...	...	381
382	Machinery n.e.c.	1600	1991	2502	...	...	382
3825	Office,computing etc.	...	...	...	...	...	3825
383	Electrical machinery	8197	10604	13755	...	...	383
3832	Radio,television etc.	5115	8014	10152	...	...	3832
384	Transport equipment b/	1794	2274	2839	...	...	384
3841	Shipbuilding, repair	1580	2056	2598	...	...	3841
3843	Motor vehicles	...	...	...	...	...	3843
385	Professional goods	3979	4680	4506	...	...	385
390	Other industries	4187	4372	4125	...	...	390
3	Manufacturing b/	63453	66445	71640	...	...	3
410	Electricity,gas,steam	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	2-4

a/ Major group 354 is included in 352.

b/ Excluding data for the Malta Drydocks.

12. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	113	104	86	65	84	...	...	...	...	-4.3	290
2	Mining, quarrying .	113	104	86	64	84	...	...	...	...	-4.3	2
311/2	Food products	147	155	177	185	195	...	...	...	...	18.2	311/2
313	Beverages	124	129	123	127	129	...	...	...	...	6.6	313
314	Tobacco	107	108	109	100	105	...	...	...	...	1.2	314
321	Textiles	83	75	73	74	73	...	...	...	...	-7.6	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	78	68	73	78	82	...	...	...	...	-4.8	322
323	Leather and products ...	50	22	25	26	25	...	...	...	...	-29.3	323
324	Footwear	102	103	113	119	141	...	...	...	...	9.0	324
331	Wood products	89	116	91	89	84	...	...	...	...	-4.3	331
332	Furniture, fixtures	116	96	97	84	103	...	...	...	...	0.7	332
341	Paper and products	79	90	123	125	122	...	...	...	...	5.1	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	92	96	119	119	118	...	...	...	...	4.2	342
351	Industrial chemicals ...	97	96	108	123	133	...	...	...	...	7.4	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	123	155	161	176	196	...	...	...	...	18.3	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	69	71	83	86	95	...	...	...	...	-1.3	355
356	Plastic products n.e.c..	72	66	69	69	98	...	...	...	...	-0.5	356
361	Pottery,china etc											361
362	Glass and products	121	107	143	121	111	...	...	...	...	2.6	362
369	Non-metal products n.e.c											369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	120	102	105	109	117	...	...	...	...	4.0	381
382	Machinery n.e.c.	82	99	105	69	75	...	...	...	...	-6.9	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	89	115	149	182	225	...	...	...	...	22.5	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	105	99	98	105	127	...	...	...	...	6.2	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	152	167	172	210	206	...	...	...	...	19.8	385
390	Other industries	82	114	112	132	181	...	...	...	...	16.0	390
3	Manufacturing	103	104	113	118	128	...	...	...	...	6.4	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	116	127	125	133	145	...	...	...	...	9.7	4101
420	Water works and supply .	98	98	118	124	124	...	...	...	...	5.5	420
4	Electricity,gas etc b/	114	125	125	132	143	...	...	...	...	9.4	4
2-4	All industry b/	107	110	118	120	127	...	...	...	...	6.2	2-4

a/ Annual growth rate 1982-1986.

b/ Excluding gas and steam.

MAURITIUS

The information in the tables is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Central Statistical Office, Port-Louis.

The data for manufacturing are derived from the census of industrial production taken annually by the Central Statistical Office. The census covers establishments with 10 or more persons engaged as well as establishments with less than 10 persons engaged but whose production is more than one million rupees. The data have been adjusted for non-response based on a response rate of 70 per cent for number of establishments and 85 per cent for value added. The data for electricity, gas and water supply are based on annual reports and cover two publicly owned establishments.

The data are compiled according to the national classification scheme, which follows the preceding version of the ISIC, but are arranged to represent the present version as far as details permit. Repair services for the general public (ISIC major division 9) are included in manufacturing according to the type of product repaired.

The concepts and definitions used are generally in accordance with the United Nations standards. The reference period is basically the calendar year. However, the estimates in the tables may include those for the accounting year of establishments covered.

Wages and salaries include contributions payable by the employer to insurance and pension schemes. For sugar factories, wages and salaries cover those attributable directly to the manufacturing operation as far as the apportionment of expenses between the plantation and the factory is possible.

Output is defined as the total value of sales and work done for others during the year, adjusted for changes in stocks of finished goods and work in progress. Value added is defined as the difference between output and the cost of materials, electricity and industrial services rendered. Valuation of output and value added is, as a general rule, in producers' prices. However, excise duties are excluded in the case of wine, beer and matches.

Related national publication:

The Census of Industrial Production (infrequent), published by the Central Statistical Office, Port Louis.

MAURITIUS

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	191	193	210	217	223	9870	11098	11099	11088	11421	311/2
313	Beverages	13	13	13	13	13	1823	1950	2078	2135	2264	313
314	Tobacco	1	1	1	1	1	369	395	348	348	336	314
321	Textiles	27	35	38	42	42	2305	2858	4604	5185	4963	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	362	354	434	413	401	64577	75555	78053	77741	76209	322
323	Leather and products ...	8	10	10	12	10	640	679	822	1154	1187	323
324	Footwear	14	17	18	16	16	619	656	702	707	780	324
331	Wood products	8	9	10	12	17	664	710	802	751	911	331
332	Furniture, fixtures	22	26	27	21	33	756	809	1099	911	1430	332
341	Paper and products	12	8	12	15	15	716	744	425	452	402	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	27	31	33	30	30	1195	1243	1416	1530	1606	342
351	Industrial chemicals ...	7	6	8	11	11	426	515	490	531	547	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	24	25	28	24	28	864	1045	1057	951	1089	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	-	-	-	-	-	-	-	-	-	-	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products	8	8	8	7	10	269	326	249	261	340	355
356	Plastic products n.e.c..	26	32	32	32	35	782	719	1085	1027	1195	356
361	Pottery,china etc	1	1	2	3	3	15	14	31	42	65	361
362	Glass and products	1	1	1	1	1	46	42	43	45	51	362
369	Non-metal products n.e.c	25	25	26	19	15	847	779	1141	1332	1252	369
371	Iron and steel											371
372	Non-ferrous metals	35	40	41	40	47	1206	1382	1625	1689	1711	372
381	Metal products											381
382	Machinery n.e.c.	6	6	7	7	5	513	589	487	496	465	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	23	26	25	26	23	592	667	733	840	914	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	4	6	5	6	6	279	331	332	490	483	384
3841	Shipbuilding, repair..	1	1	2	2	2	89	101	110	119	115	3841
3843	Motor vehicles	3	5	3	4	3	190	230	222	371	353	3843
385	Professional goods	10	11	11	12	13	909	1100	1419	1520	1365	385
390	Other industries	32	41	40	61	70	2358	2853	2797	3732	3751	390
3	Manufacturing ..... b/	887	925	1040	1041	1068	92640	107059	112937	114958	114737	3
410	Electricity,gas,steam ..	1	1	1	1	1	1773	1772	1788	1791	1802	410
4101	Electricity	1	1	1	1	1	1773	1772	1788	1791	1802	4101
420	Water works and supply .	1	1	1	1	1	1931	1827	1757	1667	1628	420
4	Electricity,gas etc	2	2	2	2	2	3704	3599	3545	3458	3430	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 10 or more persons engaged and those whose production is more than one million rupees.
b/ Including repair services for the general public (ISIC 9).

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES a/c/ (MILLION RUPEES)					4. OUTPUT IN PRODUCERS' PRICES b/c/ (MILLION RUPEES)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	276.1	314.2	376.2	440.5	506.5	5396	5918	6156	6685	7706	311/2
313	Beverages	57.1	67.3	79.7	101.0	117.1	603	746	614	691	805	313
314	Tobacco	22.8	24.9	23.5	26.4	29.1	238	269	208	213	242	314
321	Textiles	44.1	81.9	94.8	125.1	157.5	567	663	777	955	1136	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	854.1	1076.7	1330.3	1453.3	1704.4	4588	6393	7343	8334	9588	322
323	Leather and products ...	11.2	16.1	20.6	31.9	31.9	88	104	132	186	210	323
324	Footwear	14.3	16.6	16.7	15.9	20.6	63	83	78	87	107	324
331	Wood products	12.1	13.3	16.6	16.2	21.9	54	79	87	89	144	331
332	Furniture, fixtures	14.9	20.0	26.6	27.6	49.1	79	116	124	171	246	332
341	Paper and products	12.4	5.9	10.2	12.0	13.7	99	83	97	108	136	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	36.7	47.9	53.4	67.4	81.0	162	228	263	292	388	342
351	Industrial chemicals ...	15.5	18.3	22.3	25.7	32.3	d/ 587	d/ 625	d/ 801	d/ 932	d/ 1114	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	23.6	29.1	34.5	37.2	46.1	d/	d/	d/	d/	d/	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	-	-	-	-	-	-	-	-	-	-	353
354	Petroleum,coal products.	-	-	-	-	-	-	-	-	-	-	354
355	Rubber products	5.4	7.0	6.9	7.9	11.6	41	45	54	56	77	355
356	Plastic products n.e.c..	16.1	22.2	29.1	34.4	40.4	119	171	213	238	278	356
361	Pottery,china etc	0.3	0.2	0.5	0.9	1.4	2	2	3	5	6	361
362	Glass and products	1.7	1.0	1.3	1.8	2.3	5	5	6	6	6	362
369	Non-metal products n.e.c	17.1	26.2	32.1	39.1	45.8	176	202	256	344	423	369
371	Iron and steel	[11.5	17.8	22.7	26.7	32.9]	[				]	371
372	Non-ferrous metals						268	372	456	632	734	372
381	Metal products	16.4	22.0	30.3	37.1	47.9						381
382	Machinery n.e.c.	15.6	15.8	19.2	22.5	25.3	47	49	60	97	100	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	14.7	19.6	21.8	27.1	33.9	155	208	265	282	299	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	7.9	9.6	10.2	15.6	15.5	45	64	84	103	119	384
3841	Shipbuilding, repair..	3.6	4.3	5.8	7.5	6.1	25	29	38	57	45	3841
3843	Motor vehicles	4.3	5.3	4.4	8.1	9.0	20	35	46	46	45	3843
385	Professional goods	34.5	53.5	55.3	62.0	64.3	401	429	614	625	631	385
390	Other industries	40.0	48.8	78.9	90.6	114.1	259	379	570	606	725	390
3	Manufacturing ..... e/	1576.0	1975.9	2413.7	2745.9	3246.6	14042	17233	19261	21737	25220	3
410	Electricity,gas,steam ..	99.5	118.0	142.0	182.0	214.0	660	718	795	865	997	410
4101	Electricity	99.5	118.0	142.0	182.0	214.0	660	718	775	865	997	4101
420	Water works and supply .	61.5	75.0	90.0	98.0	103.0	187	194	222	255	265	420
4	Electricity,gas etc	161.0	193.0	232.0	280.0	317.0	847	912	1017	1120	1262	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Including employers' contributions to social insurance and pension fund.
b/ Net of excise duties for wine, beer and matches.
c/ Establishments with 10 or more persons engaged and those whose production is more than one million rupees.
d/ Major group 352 is included in 351.
e/ Including repair services for the general public (ISIC 9).

MAURITIUS

5. VALUE ADDED IN PRODUCERS' PRICES a/b/ (MILLION RUPEES)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	2
311/2	Food products	857	936	906	1021	1192	311/2
313	Beverages	152	209	273	316	361	313
314	Tobacco	63	84	79	86	117	314
321	Textiles	148	186	286	332	421	321
3211	Spinning,weaving etc..	...	...	...	...	...	3211
322	Wearing apparel	1549	2127	2424	2625	3030	322
323	Leather and products ...	33	37	46	70	79	323
324	Footwear	26	35	33	41	48	324
331	Wood products	21	33	39	37	74	331
332	Furniture, fixtures	23	33	41	51	65	332
341	Paper and products	34	29	34	37	52	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	63	94	119	129	180	342
351	Industrial chemicals ... c/	174	176	257	278	329	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	3522
353	Petroleum refineries ...	-	-	-	-	-	353
354	Petroleum,coal products.	-	-	-	-	-	354
355	Rubber products	13	15	15	17	29	355
356	Plastic products n.e.c..	46	64	83	82	98	356
361	Pottery,china etc	1	1	2	2	2	361
362	Glass and products	2	2	2	2	3	362
369	Non-metal products n.e.c	62	64	82	123	158	369
371	Iron and steel						371
372	Non-ferrous metals	77	121	178	235	272	372
381	Metal products						381
382	Machinery n.e.c.	12	22	26	55	54	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ...	39	51	76	76	77	383
3832	Radio,television etc..	...	...	...	...	...	3832
384	Transport equipment	22	28	41	60	57	384
3841	Shipbuilding, repair..	17	20	31	48	37	3841
3843	Motor vehicles	5	8	10	12	15	3843
385	Professional goods	103	132	177	191	193	385
390	Other industries	90	117	180	197	236	390
3	Manufacturing ..... d/	3610	4596	5435	6063	7127	3
410	Electricity,gas,steam ..	326	350	355	389	321	410
4101	Electricity	326	350	355	389	321	4101
420	Water works and supply .	136	140	162	188	186	420
4	Electricity,gas etc	462	490	517	577	507	4
2-4	All industry	...	...	...	...	...	2-4

a/ Net of excise duties for wine, beer and matches.
b/ Establishments with 10 or more persons engaged and those whose production is more than one million rupees.
c/ Major group 352 is included in 351.
d/ Including repair services for the general public (ISIC 9).

MEXICO

The information in the tables, except for the indices, is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Dirección General de Estadística, Secretaría de Programación y Presupuesto, Mexico, D.F..

Information on the production of crude petroleum and natural gas is based on administrative records of the Petroleos Mexicanos (PEMEX) which is an enterprise controlling the activities in this field in Mexico and relates to all activities covering extraction, transformation and distribution of petroleum and natural gas and their derivatives. The data for manufacturing industries are derived from the monthly industrial survey conducted by the above-mentioned office. The survey includes 129 classes of industrial activity out of 225 industrial groups of the national industrial classification. It should be noted that the data on output in table 8 and value added in table 9 cover all establishments and are derived from national accounts calculations made by the Dirección General de Estadística.

The data are classified according to the present version of the ISIC. The concepts and definitions are generally in accordance with the United Nations standards, although the following points should be noted:

Employment numbers relate to monthly averages.

Wages and salaries exclude payments in kind. However, the data for ISIC 220 include payments in kind, employers' contributions to social insurance schemes and profits distributed to employees.

Output and value added refer to gross output and total value added, respectively. Both are valued at producers' prices.

The indices of industrial production are compiled by the Bank of Mexico and provided in response to the United Nations Questionnaire on Indices of Industrial Production. The indices cover, in principle, all industrial establishments.

Related national publications:

Estadística Industrial Anual; Estadística Industrial Mensual, both published by the Dirección General de Estadística, Secretaría de Programación y Presupuesto, Mexico, D.F. Anuario Estadístico, published by the Petroleos Mexicanos (PEMEX), México, D.F.

MEXICO

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER) b/ 1986	1987	1988	1989	1990	2. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS) b/ 1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	425	423	418	417	417	97.96	95.38	92.88	96.34	96.98	311/2
313	Beverages	157	155	153	153	153	79.62	78.10	76.48	80.79	84.98	313
314	Tobacco	7	7	7	7	7	5.81	5.68	5.41	5.19	5.24	314
321	Textiles	255	251	247	244	242	75.68	73.43	73.16	72.61	68.83	321
3211	Spinning,weaving etc..	167	166	164	163	163	58.10	56.46	56.09	55.69	53.50	3211
322	Wearing apparel	193	187	184	182	180	31.27	30.43	30.70	30.35	29.66	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	89	85	82	81	79	27.65	28.07	27.00	25.00	23.51	324
331	Wood products	18	18	17	16	16	6.03	5.91	5.75	5.24	4.88	331
332	Furniture, fixtures	75	72	70	69	68	7.48	7.19	7.05	7.13	7.24	332
341	Paper and products	133	132	132	132	132	34.12	32.44	31.84	33.10	33.14	341
3411	Pulp,paper etc.	68	67	67	67	67	23.36	21.67	21.05	21.68	21.29	3411
342	Printing,publishing	74	74	74	73	73	11.58	11.40	11.35	11.21	11.19	342
351	Industrial chemicals ...	207	203	202	202	202	61.59	61.38	61.96	61.79	61.01	351
3511	Basic excl fertilizers	102	102	102	102	102	23.48	23.30	23.82	24.26	23.79	3511
3513	Synthetic resins etc .	50	50	50	50	50	26.62	26.20	26.41	25.62	25.52	3513
352	Other chemical products.	218	217	215	214	214	59.25	58.54	58.69	61.06	62.52	352
3522	Drugs and medicines ..	72	72	72	72	72	25.28	25.10	25.21	25.97	26.24	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	23	23	23	23	23	5.08	4.90	4.64	4.42	4.36	354
355	Rubber products	51	50	49	49	48	18.26	17.06	17.26	17.46	17.04	355
356	Plastic products n.e.c..	169	168	167	167	165	24.61	25.27	25.33	26.77	26.85	356
361	Pottery,china etc	5	5	5	5	5	6.51	6.89	6.91	7.50	7.46	361
362	Glass and products	24	24	23	22	22	20.21	22.50	22.43	23.24	24.39	362
369	Non-metal products n.e.c	171	169	168	168	166	32.08	32.01	31.72	31.68	30.95	369
371	Iron and steel	102	96	94	94	94	61.66	53.29	52.84	51.41	47.37	371
372	Non-ferrous metals	25	25	25	25	25	17.70	17.83	17.82	17.97	18.06	372
381	Metal products	228	226	224	220	218	53.53	50.27	49.84	50.88	51.62	381
382	Machinery n.e.c.	183	181	179	179	175	34.38	32.96	34.48	33.69	33.20	382
3825	Office,computing etc..	23	23	23	22	22	4.32	4.14	4.49	4.18	4.14	3825
383	Electrical machinery ...	186	182	177	174	174	99.51	94.10	93.12	96.42	94.90	383
3832	Radio,television etc..	78	76	71	70	70	48.60	46.37	44.02	44.76	42.81	3832
384	Transport equipment	158	157	157	155	155	102.96	95.26	99.25	108.00	114.37	384
3841	Shipbuilding, repair..	7	7	7	7	7	4.89	4.75	4.31	3.22	2.57	3841
3843	Motor vehicles	125	125	125	123	123	87.91	81.14	84.99	96.82	104.19	3843
385	Professional goods	6	6	6	6	6	2.82	2.27	2.23	2.43	2.62	385
390	Other industries	36	36	36	36	36	5.78	5.46	5.60	6.04	6.39	390
3	Manufacturing	c/ 3218	3860	3815	3789	3771	c/ 983.13	c/ 948.02	c/ 945.74	c/ 967.72	c/ 968.76	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: selected industries; see country note.
b/ Data are not comparable with those of the previous years since beginning in 1986, the scope was increased to 129 classes of industrial activities.
c/ Represents sum of available data.

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES a/b/ (BILLION PESOS) c/ 1986	1987	1988	1989	1990	4. AVERAGE NUMBER OF OPERATIVES b/ (THOUSANDS) c/ 1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	139	299	617	817	1101	67.28	66.68	64.67	67.61	67.62	311/2
313	Beverages	122	264	529	739	998	55.62	54.32	52.83	57.33	60.30	313
314	Tobacco	12	29	51	64	83	3.36	3.15	2.88	2.82	2.85	314
321	Textiles	109	246	504	616	705	61.22	58.91	58.48	57.77	57.76	321
3211	Spinning,weaving etc..	82	190	387	472	532	49.25	46.30	45.72	45.16	42.55	3211
322	Wearing apparel	35	76	151	195	251	25.00	24.56	24.83	24.45	23.86	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	35	71	141	185	237	22.83	22.70	21.81	20.04	18.85	324
331	Wood products	8	17	34	38	44	4.52	4.48	4.31	3.93	3.68	331
332	Furniture, fixtures	9	19	37	49	68	5.79	5.59	5.46	5.52	5.64	332
341	Paper and products	62	146	295	382	473	25.53	24.13	23.74	24.64	24.55	341
3411	Pulp,paper etc.	43	102	203	258	316	17.70	16.33	15.93	16.29	15.82	3411
342	Printing,publishing	21	45	93	114	154	8.03	7.75	7.61	7.48	7.53	342
351	Industrial chemicals ...	135	320	706	906	1166	39.72	39.75	39.91	39.84	39.25	351
3511	Basic excl fertilizers	59	142	318	419	538	13.64	13.40	13.59	13.96	13.61	3511
3513	Synthetic resins etc .	53	123	267	329	415	18.22	18.15	18.27	17.67	17.57	3513
352	Other chemical products.	131	298	672	929	1241	26.78	26.25	26.43	27.90	29.19	352
3522	Drugs and medicines ..	58	134	300	418	554	10.85	10.42	10.57	11.16	11.52	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	8	18	37	47	68	3.63	3.53	3.23	3.05	2.96	354
355	Rubber products	56	113	229	284	356	12.89	12.18	12.23	12.42	12.17	355
356	Plastic products n.e.c..	39	79	167	226	297	18.46	18.81	18.44	19.69	19.88	356
361	Pottery,china etc	9	25	49	67	90	4.79	5.15	5.19	5.62	5.56	361
362	Glass and products	46	113	235	302	413	14.58	16.85	16.56	17.29	18.20	362
369	Non-metal products n.e.c	68	159	328	418	539	22.72	22.79	22.38	22.03	21.43	369
371	Iron and steel	105	242	553	656	837	46.12	39.28	38.58	36.88	33.62	371
372	Non-ferrous metals	37	81	166	208	269	11.55	11.71	11.65	11.87	11.90	372
381	Metal products	85	186	377	507	672	38.38	36.01	35.58	36.61	37.28	381
382	Machinery n.e.c.	71	150	333	419	530	20.84	19.94	21.74	21.20	20.84	382
3825	Office,computing etc..	10	24	57	70	87	2.45	2.40	2.82	2.62	2.69	3825
383	Electrical machinery ...	155	330	672	881	1105	70.41	66.25	66.10	69.02	67.53	383
3832	Radio,television etc..	68	146	290	377	469	35.66	33.71	31.85	32.55	30.95	3832
384	Transport equipment	200	397	842	1174	1787	75.06	69.69	73.82	75.49	87.44	384
3841	Shipbuilding, repair..	7	18	30	32	34	3.61	3.52	3.28	2.36	1.94	3841
3843	Motor vehicles	178	344	744	1070	1670	63.45	58.77	62.55	72.74	79.61	3843
385	Professional goods	6	11	22	28	38	1.58	1.30	1.30	1.44	1.58	385
390	Other industries	13	21	41	59	75	3.82	3.55	3.74	4.13	4.49	390
3	Manufacturing	1716 d/	4978	10477	13757	18214	690.51 d/	665.31	663.50 d/	676.07 d/	685.96 d/	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Excluding payments in kind.
b/ Manufacturing: selected industries; see country note.
c/ Data are not comparable with those of the previous years since beginning in 1986, the scope was increased to 129 classes of industrial activities.
d/ Represents sum of available data.

MEXICO

ISIC	INDUSTRY	5. WAGES AND SALARIES OF OPERATIVES a/b/ (BILLION PESOS) c/ 1986	1987	1988	1989	1990	6. HOURS WORKED BY OPERATIVES b/ (MILLION) c/d/ 1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	74	162	314	408	521	12.9	157.1	155.5	165.0	166.6	311/2
313	Beverages	69	155	310	432	567	11.4	129.6	127.3	138.7	146.5	313
314	Tobacco	4	10	16	21	24	0.6	7.1	6.7	6.4	6.5	314
321	Textiles	79	181	368	440	483	11.3	127.2	128.4	127.7	118.5	321
3211	Spinning,weaving etc..	62	144	290	385	378	8.8	98.9	99.4	99.3	90.7	3211
322	Wearing apparel	22	50	99	123	153	4.5	55.9	56.2	54.1	53.6	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	25	49	97	126	162	4.7	46.7	48.0	47.0	43.9	324
331	Wood products	5	10	20	22	25	0.8	10.3	9.8	8.9	8.7	331
332	Furniture, fixtures	6	12	23	30	41	1.1	13.3	13.0	13.4	13.6	332
341	Paper and products	39	90	168	214	258	5.6	61.0	61.4	62.7	62.0	341
3411	Pulp,paper etc.	28	66	121	152	181	4.0	42.5	42.6	42.4	41.0	3411
342	Printing,publishing	11	24	46	57	72	1.6	19.1	18.9	18.4	18.5	342
351	Industrial chemicals ...	64	154	323	400	499	7.9	97.5	97.3	96.3	95.4	351
3511	Basic excl fertilizers	25	57	120	153	190	2.7	32.2	32.7	32.9	32.5	3511
3513	Synthetic resins etc .	27	63	133	153	195	3.7	45.8	44.8	43.1	43.2	3513
352	Other chemical products.	38	85	187	251	336	4.9	57.9	58.7	63.5	66.1	352
3522	Drugs and medicines ..	15	32	68	90	123	1.9	22.4	22.8	24.8	25.8	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	4	10	19	21	31	0.6	7.6	7.1	6.5	6.4	354
355	Rubber products	35	75	143	170	212	2.2	25.6	25.3	25.9	25.9	355
356	Plastic products n.e.c..	23	45	89	119	152	3.6	46.0	45.2	48.2	48.3	356
361	Pottery,china etc	5	14	26	34	43	0.9	11.8	11.9	12.9	12.9	361
362	Glass and products	23	57	112	137	178	3.2	43.2	42.6	44.7	46.5	362
369	Non-metal products n.e.c	39	91	179	214	257	4.5	55.3	54.2	53.8	52.3	369
371	Iron and steel	63	144	310	347	418	7.7	84.9	87.7	81.8	76.0	371
372	Non-ferrous metals	17	42	79	96	117	2.3	28.1	27.9	28.5	28.5	372
381	Metal products	49	104	199	259	330	7.1	80.5	82.3	85.0	88.0	381
382	Machinery n.e.c.	30	64	143	173	207	3.9	44.5	49.8	47.9	47.8	382
3825	Office,computing etc..	4	9	23	26	32	0.4	5.0	6.3	5.7	6.0	3825
383	Electrical machinery ...	80	166	326	411	492	13.0	149.0	147.2	154.5	153.5	383
3832	Radio,television etc..	36	73	135	167	201	6.7	74.5	68.9	70.0	68.2	3832
384	Transport equipment	113	226	474	635	1018	14.5	149.0	163.0	183.7	199.7	384
3841	Shipbuilding, repair..	4	11	19	19	19	0.6	7.8	7.4	5.6	4.7	3841
3843	Motor vehicles	99	190	407	567	945	12.5	124.0	138.0	164.1	181.8	3843
385	Professional goods	2	4	8	11	14	0.3	3.0	2.9	3.2	3.7	385
390	Other industries	6	8	16	24	31	0.7	7.9	8.3	9.9	10.2	390
3	Manufacturing	e/ 928	2676	5412	6885	8904	e/ 131.9	1972.3	1999.3	2076.7	2093.6	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Excluding payments in kind.
b/ Manufacturing: selected industries; see country note.
c/ Data are not comparable with those of the previous years since beginning in 1986, the scope was increased to 129 classes of industrial activities.
d/ Monthly average for persons engaged.
e/ Represents sum of available data.

ISIC	INDUSTRY	7. QUANTITY OF ELECTRICITY CONSUMED a/ (MILLION KWH)					8. OUTPUT IN PRODUCERS' PRICES a/c/ (BILLION PESOS)					ISIC
		b/ 1986	1987	1988	1989	1990	b/ 1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	1177	...	...	...	...	2717	6075	12531	16008	20389	311/2
313	Beverages	572	...	...	...	...	1590	3449	7168	9065	11823	313
314	Tobacco	37	...	...	...	...	359	949	1618	2033	2442	314
321	Textiles	879	...	...	...	...	701	1717	3368	3980	4587	321
3211	Spinning,weaving etc..	764	...	...	...	...	517	1284	2464	2943	3332	3211
322	Wearing apparel	58	...	...	...	...	172	415	894	997	1169	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	46	...	...	...	...	194	357	763	896	1055	324
331	Wood products	93	...	...	...	...	56	128	246	303	365	331
332	Furniture, fixtures	19	...	...	...	...	72	144	310	393	494	332
341	Paper and products	1970	...	...	...	...	761	2417	5019	5806	6361	341
3411	Pulp,paper etc.	1887	...	...	...	...	520	1728	3569	4104	4496	3411
342	Printing,publishing	53	...	...	...	...	138	351	786	935	1085	342
351	Industrial chemicals ...	3871	...	...	...	...	2130	5721	11412	13154	15224	351
3511	Basic excl fertilizers	1966	...	...	...	...	1001	2633	5367	6417	7356	3511
3513	Synthetic resins etc .	1400	...	...	...	...	820	2310	4484	4743	5376	3513
352	Other chemical products.	449	...	...	...	...	1349	3628	7323	9645	12180	352
3522	Drugs and medicines ..	136	...	...	...	...	472	1338	2636	3521	4477	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	118	...	...	...	...	205	518	994	1197	1545	354
355	Rubber products	280	...	...	...	...	380	1007	2068	2328	2784	355
356	Plastic products n.e.c..	305	...	...	...	...	288	735	1550	2071	2396	356
361	Pottery,china etc	81	...	...	...	...	551	203	455	518	635	361
362	Glass and products	536	...	...	...	...	329	976	1923	2353	2974	362
369	Non-metal products n.e.c	2835	...	...	...	...	688	1878	3637	3902	5239	369
371	Iron and steel	4661	...	...	...	...	1833	4903	11367	12755	15556	371
372	Non-ferrous metals	1227	...	...	...	...	773	2570	4903	5772	6256	372
381	Metal products	534	...	...	...	...	744	1833	3999	4667	6015	381
382	Machinery n.e.c.	878	...	...	...	...	530	1270	3027	3658	4465	382
3825	Office,computing etc..	14	...	...	...	...	117	464	1060	1358	1786	3825
383	Electrical machinery ...	716	...	...	...	...	1059	2632	5463	6567	8010	383
3832	Radio,television etc..	213	...	...	...	...	471	985	1927	2332	3031	3832
384	Transport equipment	984	...	...	...	...	2885	7626	17428	23575	31920	384
3841	Shipbuilding, repair..	20	...	...	...	...	7	14	21	23	42	3841
3843	Motor vehicles	934	...	...	...	...	2806	7464	17112	23245	31425	3843
385	Professional goods	41	...	...	...	...	46	122	252	359	511	385
390	Other industries	29	...	...	...	...	67	156	324	415	491	390
3	Manufacturing	22449 d/	...	...	...	...	20617 d/	70000	147468	182038	227292	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: selected industries; see country note.
b/ Data are not comparable with those of the previous years since beginning in 1986, the scope was increased to 129 classes of industrial activities.
c/ Value of products manufactured only.
d/ Represents sum of available data.

MEXICO

ISIC	INDUSTRY	9. VALUE ADDED IN PRODUCERS' PRICES a/ (BILLION PESOS) b/ 1986	1987	1988	1989	1990	10. GROSS FIXED CAPITAL FORMATION TOTAL a/ (MILLION PESOS) b/ 1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	711	...	...	...	...	59567	...	...	...	...	311/2
313	Beverages	1017	...	...	...	...	18755	...	...	...	...	313
314	Tobacco	329	...	...	...	...	4542	...	...	...	...	314
321	Textiles	387	...	...	...	...	22038	...	...	...	...	321
3211	Spinning,weaving etc..	277	...	...	...	...	17272	...	...	...	...	3211
322	Wearing apparel	100	...	...	...	...	4998	...	...	...	...	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	136	...	...	...	...	6175	...	...	...	...	324
331	Wood products	23	...	...	...	...	1656	...	...	...	...	331
332	Furniture, fixtures	42	...	...	...	...	1471	...	...	...	...	332
341	Paper and products	281	...	...	...	...	13873	...	...	...	...	341
3411	Pulp,paper etc.	175	...	...	...	...	8125	...	...	...	...	3411
342	Printing,publishing	87	...	...	...	...	17704	...	...	...	...	342
351	Industrial chemicals ...	1043	...	...	...	...	131930	...	...	...	...	351
3511	Basic excl fertilizers	609	...	...	...	...	44513	...	...	...	...	3511
3513	Synthetic resins etc .	425	...	...	...	...	52523	...	...	...	...	3513
352	Other chemical products.	558	...	...	...	...	92985	...	...	...	...	352
3522	Drugs and medicines ..	215	...	...	...	...	80093	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	107	...	...	...	...	4462	...	...	...	...	354
355	Rubber products	222	...	...	...	...	11678	...	...	...	...	355
356	Plastic products n.e.c..	148	...	...	...	...	131221	...	...	...	...	356
361	Pottery,china etc	35	...	...	...	...	3960	...	...	...	...	361
362	Glass and products	193	...	...	...	...	18381	...	...	...	...	362
369	Non-metal products n.e.c	334	...	...	...	...	24678	...	...	...	...	369
371	Iron and steel	918	...	...	...	...	111154	...	...	...	...	371
372	Non-ferrous metals	384	...	...	...	...	40233	...	...	...	...	372
381	Metal products	352	...	...	...	...	27264	...	...	...	...	381
382	Machinery n.e.c.	398	...	...	...	...	20142	...	...	...	...	382
3825	Office,computing etc..	84	...	...	...	...	3250	...	...	...	...	3825
383	Electrical machinery ...	763	...	...	...	...	42279	...	...	...	...	383
3832	Radio,television etc..	382	...	...	...	...	23694	...	...	...	...	3832
384	Transport equipment	2148	...	...	...	...	87627	...	...	...	...	384
3841	Shipbuilding, repair..	26	...	...	...	...	3411	...	...	...	...	3841
3843	Motor vehicles	2074	...	...	...	...	83877	...	...	...	...	3843
385	Professional goods	19	...	...	...	...	902	...	...	...	...	385
390	Other industries	42	...	...	...	...	1053	...	...	...	...	390
3	Manufacturing ..... c/	10758	...	...	...	...	900728	...	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: selected industries; see country note.
b/ Data are not comparable with those of the previous years since beginning in 1986, the scope was increased to 129 classes of industrial activities.
c/ Represents sum of available data.

11. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
110	Coal mining	104	110	109	110	109	109	106	102	106	0.7	210
220	Petroleum and gas	138	135	138	136	127	133	133	134	138	4.1	220
230	Metal ore mining	108	114	117	118	123	124	131	126	137	4.0	230
290	Other mining	87	79	88	100	100	111	105	97	90	-1.3	290
2	Mining, quarrying .	125	124	128	129	126	131	132	131	136	3.9	2
311/2	Food products											311/2
313	Beverages	108	107	109	115	117	118	117	124	128	3.1	313
314	Tobacco											314
321	Textiles ..... b/	97	91	93	98	92	92	96	97	96	-0.5	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... b/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	109	101	106	112	108	106	104	108	115	1.8	331
332	Furniture, fixtures											332
341	Paper and products ..... c/	102	101	109	117	115	114	114	122	127	3.0	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... c/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... d/	109	108	113	119	116	121	123	132	140	4.3	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	..	...	...	...	..	...	...	...	...	...	3513
352	Other chemical products d	.	.	.	...	. .	...	...	...	...	...	352
3522	Drugs and medicines .	.	.	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... d/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. d/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products ..... d/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. d/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc											361
362	Glass and products	106	92	97	106	92	103	97	103	110	1.2	362
369	Non-metal products n.e.c											369
371	Iron and steel	94	87	100	97	89	102	108	113	120	2.3	371
372	Non-ferrous metals											372
381	Metal products	101	81	88	101	94	103	113	125	136	3.9	381
382	Machinery n.e.c. e/											382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... e/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... e/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods ..... e/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	102	80	90	101	102	106	118	136	142	4.5	390
3	Manufacturing	104	96	101	108	105	109	112	119	125	2.8	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	116	118	126	135	140	148	156	169	178	7.5	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	106	96	102	108	103	107	109	114	120	2.3	2-4

a/ Annual growth rate 1982-1990.
b/ Major group 322 is included in 321.
c/ Major group 342 is included in 341.
d/ Major groups 352 to 356 are included in 351.
e/ Major groups 383 to 385 are included in 381 and 382 combined.

MONGOLIA

The information on industrial activity is compiled by the United Nations Statistical Office from data published by the Central Statistical Board of Mongolia, Ulan-Bator, and the former Council for Mutual Economic Assistance (CMEA), Moscow. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates are based on regular monthly and annual reports of enterprises. The statistical unit is the industrial enterprise or the industrial unit of the non-industrial enterprise; industrial units of collective farms and small subsidiary industrial enterprises, however, are not covered.

The estimates, which are based on the national classification, are shown in the most appropriate category of ISIC. The national classification includes logging; commercial fishing; repair of motor vehicles, household appliances, furniture and footwear; repair and restoration of knitted goods and apparel; film copying and cleaning and dyeing. The following industries are excluded: (a) prospecting and drilling for minerals, crude petroleum and natural gas, and preparing sites for extraction, (b) publishing, (c) gas distribution and (d) water supply. It should also be noted that the manufacture of fur products (ISIC 322) is included in ISIC 323.

Employment numbers are annual averages of monthly figures and relate to persons engaged in the industrial activities of enterprises classified under mining, manufacturing, electricity and gas. They comprise production workers, apprentices, engineers and technicians, office staff, minor service personnel and guards.

Output relates to the value of the output of industry at constant prices of 1967, excluding turnover tax; the value of resale of commodities without further processing is not included.

The estimates of gross fixed capital formation represent acquisitions of new fixed assets and relate to the "productive" investments of industrial enterprises, valued at current prices; the investments of industrial enterprises in dwellings, public utilities, social facilities and other "non-productive" assets are not included.

The indices of industrial production are compiled by the Central Statistical Board of Mongolia and the former Council for Mutual Economic Assistance (CMEA).

Related publications:

National Economy of Mongolia (annual), published by the Central Statistical Board of Mongolia, Ulan-Bator.
Statistical Yearbook (annual), published by the former Council for Mutual Economic Assistance (CMEA), Moscow.

ISIC	INDUSTRY	1. NUMBER OF ENTERPRISES (NUMBER)					2. AVERAGE NUMBER OF EMPLOYEES (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	15	15	15	15	...	3.7	4.1	4.3	4.4	...	210
220	Petroleum and gas	-	-	-	-	...	-	-	-	-	...	220
230	Metal ore mining	5	7	7	8	...	4.6	5.0	4.7	4.9	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products					...					...	311/2
313	Beverages	45	45	45	45	...	16.2	17.6	14.0	15.2	...	313
314	Tobacco					...					...	314
321	Textiles	12	14	15	14	...	7.6	8.2	8.0	8.9	...	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel a/	26	26	27	28	...	12.0	13.0	9.9	10.8	...	322
323	Leather and products a/	18	17	18	16	...	8.4	9.2	9.7	10.0	...	323
324	Footwear					...					...	324
331	Wood products	55	50	35	37	...	10.2	11.1	10.2	10.8	...	331
332	Furniture, fixtures					...					...	332
341	Paper and products	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing b/	29	28	28	28	...	1.9	1.9	2.0	1.3	...	342
351	Industrial chemicals c/	9	9	10	11	...	3.0	3.3	3.7	3.6	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	3	3	3	3	...	0.5	0.5	0.6	0.6	...	361
362	Glass and products					...					...	362
369	Non-metal products n.e.c	...	...	...	...	...	...	...	...	...	...	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products d/	20	19	21	18	...	6.3	6.8	6.4	7.0	...	381
382	Machinery n.e.c. d/					...					...	382
3825	Office,computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... d/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment d/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods d/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	...	...	...	...	...	...	...	...	...	...	3
410	Electricity,gas,steam e/	36	36	36	31	...	7.6	8.2	9.8	9.0	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	.	...	...	...	...	.	...	...	...	...	420
4	Electricity,gas etc e/	36	36	36	31	...	7.6	8.2	9.8	9.0	...	4
2-4	All industry b/e/f/	323	301	284	280	...	95.5	100.7	102.0	107.3	...	2-4

a/ Wearing apparel of fur is included in major group 323.
b/ Excluding publishing.
c/ Major group 352 is included in 351.
d/ Major groups 383 to 385 are included in 381 and 382 combined.
e/ Excluding gas distribution.
f/ Including repair services for the general public.

MONGOLIA

ISIC	INDUSTRY		3. AVERAGE NUMBER OF OPERATIVES (THOUSANDS)					4. OUTPUT a/b/ (MILLION TUGRIKS)					ISIC
			1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining		2.9	3.1	3.5	3.6	...	263.4	289.5	320.4	299.9	...	210
220	Petroleum and gas		-	-	-	-	...	-	-	-	-	...	220
230	Metal ore mining		3.6	3.8	3.6	3.7	...	922.2	930.6	941.4	901.5	...	230
290	Other mining		...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying		...	...	...	...	...	...	...	...	...	...	2
311/2	Food products		[				...	[				...	311/2
313	Beverages		11.8	12.6	10.4	11.3	...	1380.8	1405.2	1437.8	1476.8	...	313
314	Tobacco		]			]	...	]			]	...	314
321	Textiles		6.1	6.5	6.4	7.1	...	825.1	846.1	839.1	948.7	...	321
3211	Spinning, weaving etc.		...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	c/	9.4	10.0	8.2	8.9	...	349.1	337.7	342.6	384.8	...	322
323	Leather and products	c/	[6.6	7.0	8.1	8.3]	...	[646.7	703.4	727.5	756.1]	...	323
324	Footwear						...					...	324
331	Wood products		[7.7	7.0	8.1	8.3]	...	[543.3	539.1	536.2	593.6]	...	331
332	Furniture, fixtures						...					...	332
341	Paper and products		...	...	...	...	..	...	...	...	...	...	341
3411	Pulp, paper etc.		...	...	...	...	...	...	...	...	...	...	3411
342	Printing, publishing	d/	1.3	1.4	1.3	0 8	...	59.9	63.4	66.0	68.7	...	342
351	Industrial chemicals	e/	2.2	2.3	2.7	2.7	...	247.5	266.8	317.5	326.6	...	351
3511	Basic excl fertilizers		...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .		...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	e/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines		...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries		...	...	...	...	...	...	...	...	...	...	353
354	Petroleum, coal products.		...	...	...	...	...	...	...	...	...	...	354
355	Rubber products		...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.		...	...	...	...	...	...	...	...	...	...	356
361	Pottery, china etc		[0.4]	...	...	...	...	[24.3	26.4	29.7	32.8]	...	361
362	Glass and products			...	...	...	...					...	362
369	Non-metal products n.e.c		...	...	...	...	...	...	...	...	...	...	369
371	Iron and steel		...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals		...	...	...	...	...	...	...	...	...	...	372
381	Metal products	f/	[4.8]	...	...	...	...	[249.3	277.0	280.3	280.9]	...	381
382	Machinery n.e.c.			...	...	...	...					...	382
3825	Office, computing etc.		...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery	f/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio, television etc.		...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	f/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair		...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles		...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	f/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries		...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing		...	...	...	...	...	...	...	...	...	...	3
410	Electricity, gas, steam	g/	5.7	...	...	...	...	795.5	...	...	...	...	410
4101	Electricity		...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply		.	...	...	...	...	.	...	...	...	...	420
4	Electricity, gas etc.	g/	5.7	...	...	...	...	795.5	...	...	...	...	4
2-4	All industry	d/g/h/	72.7	75.5	78.7	83.6	...	7109.9	...	...	...	...	2-4

a/ At prices of 1967.
b/ Excluding turnover tax.
c/ Wearing apparel of fur is included in major group 323.
d/ Excluding publishing.
e/ Major group 352 is included in 351.
f/ Major groups 383 to 385 are included in 381 and 382 combined.
g/ Excluding gas distribution.
h/ Including repair services for the general public.

5. GROSS FIXED CAPITAL FORMATION
TOTAL a/
(MILLION TUGRIKS)

ISIC	INDUSTRY		1986	1987	1988	1989	1990	ISIC
210	Coal mining		908	1008	1077	1189	...	210
220	Petroleum and gas		-	-	-	-	...	220
230	Metal ore mining		1773	1879	1894	2003	...	230
290	Other mining		...	...	...	...	...	290
2	Mining, quarrying		...	...	...	...	...	2
311/2	Food products		[				...	311/2
313	Beverages		1250	1324	1358	1418	...	313
314	Tobacco		]			]	...	314
321	Textiles		743	743	735	1140	...	321
3211	Spinning, weaving etc.		...	...	...	...	...	3211
322	Wearing apparel	b/	226	245	293	324	...	322
323	Leather and products	b/	[458	529	620	649]	..	323
324	Footwear						...	324
331	Wood products		[579	603	596	727]	...	331
332	Furniture, fixtures						...	332
341	Paper and products		...	...	...	...	..	341
3411	Pulp, paper etc.		...	...	...	...	...	3411
342	Printing, publishing	c/	61	69	63	69	...	342
351	Industrial chemicals	d/	728	682	714	1044	...	351
3511	Basic excl fertilizers		...	...	...	...	...	3511
3513	Synthetic resins etc		...	...	...	...	...	3513
352	Other chemical products	d/	...	...	...	...	...	352
3522	Drugs and medicines		...	...	..	...	...	3522
353	Petroleum refineries		...	...	...	...	...	353
354	Petroleum, coal products		...	...	..	...	...	354
355	Rubber products		...	...	...	...	...	355
356	Plastic products n.e.c.		...	..	..	. .	...	356
361	Pottery, china etc		[30	30	30	31]	...	361
362	Glass and products						...	362
369	Non-metal products n.e.c		...	...	...	...	...	369
371	Iron and steel		...	...	...	...	...	371
372	Non-ferrous metals		...	...	...	...	...	372
381	Metal products	e/	[201	283	227	228]	...	381
382	Machinery n.e.c.						...	382
3825	Office, computing etc.		...	...	...	...	...	3825
383	Electrical machinery	e/	...	...	...	...	...	383
3832	Radio, television etc.		...	...	...	...	...	3832
384	Transport equipment	e/	...	...	...	...	...	384
3841	Shipbuilding, repair		...	...	...	...	...	3841
3843	Motor vehicles		...	...	...	...	...	3843
385	Professional goods	e/	...	...	...	...	...	385
390	Other industries		63	84	122	97	...	390
3	Manufacturing		...	...	...	...	...	3
410	Electricity, gas, steam	f/	3755	4227	4483	4630	...	410
4101	Electricity		...	...	...	...	...	4101
420	Water works and supply		.	...	...	...	...	420
4	Electricity, gas etc	f/	3755	4227	4483	4630	...	4
2-4	All industry	c/f/g/	12395	13327	13626	14989	...	2-4

a/ For concept, see country note.
b/ Wearing apparel of fur is included in major group 323.
c/ Excluding publishing.
d/ Major group 352 is included in 351.
e/ Major groups 383 to 385 are included in 381 and 382 combined.
f/ Excluding gas distribution.
g/ Including repair services for the general public.

6. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining ..... b/	112	114	124	148	163	179	196	184	163	6.3	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products											311/2
313	Beverages	121	128	140	137	142	144	148	152	139	4.2	313
314	Tobacco											314
321	Textiles	149	175	201	227	240	246	244	276	248	12.0	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	103	105	108	112	118	114	116	130	118	2.1	322
323	Leather and products ...	106	121	126	136	135	147	152	158	166	6.5	323
324	Footwear											324
331	Wood products	102	105	112	116	121	120	119	121	99	-0.1	331
332	Furniture, fixtures											332
341	Paper and products	-	-	-	-	-	-	-	-	-	...	341
3411	Pulp,paper etc.	-	-	-	-	-	-	-	-	-	...	3411
342	Printing,publishing	103	105	108	104	119	126	132	137	118	2.1	342
351	Industrial chemicals ... c/	112	120	126	130	150	162	192	198	187	8.1	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	..	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products c/	.	.	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... b/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. b/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	-	-	-	-	-	-	-	-	-	...	355
356	Plastic products n.e.c..	-	-	-	-	-	-	-	-	-	...	356
361	Pottery,china etc	135	156	157	176	182	197	497	245	202	9.2	361
362	Glass and products											362
369	Non-metal products n.e.c	...	...	...	...	...	...	...	...	...	...	369
371	Iron and steel	-	-	-	-	-	-	-	-	-	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products ..... d/	117	129	140	159	165	184	186	186	158	5.9	381
382	Machinery n.e.c.											382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... d/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... d/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods ..... d/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	...	...	...	...	...	...	...	...	...	...	3
410	Electricity,gas,steam .. e/	107	120	146	177	194	202	217	224	223	10.5	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry e/	122	133	145	156	168	176	182	187	183	7.8	2-4

a/ Annual growth rate 1982-1990.
b/ Major groups 353 and 354 are included in 210.
c/ Major group 352 is included in 351.
d/ Major groups 383 to 385 are included in 381 and 382 combined.
e/ Excluding gas.

MOROCCO

The information in the tables, except for the indices, is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Direction de la statistique, Secretariat d'Etat au plan et au developpement régional, Premier ministre, Rabat. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The data in the tables are derived from the survey of industrial structure conducted by the Direction de la statistique in collaboration with two research institutions. The inquiry covers establishments with 10 or more employees. Establishments with 50 or more employees are covered on a complete enumeration basis and those with 10-49 employees are covered by sampling. The survey is carried out by qualified enumerators.

The data in the tables are compiled according to the national classification, which is not strictly comparable with ISIC. They have been adjusted by the Direction de la statistique to represent the present version of ISIC.

The indices of industrial production are compiled by the Direction de la statistique and provided in response to the United Nations Questionnaire on Indices of Industrial Production.

Related national publication:

Rapports sur l'enquête de structure sur l'industrie, published by the Direction de la statistique, Secretariat d'Etat au plan et au développement régional, Premier ministre, Rabat.

MOROCCO

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF EMPLOYEES (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	831	899	929	943	954	24302	20597	27350	...	...	311/2
313	Beverages	[33	33	43	44	45	13476	9807	10393]	...	...	313
314	Tobacco									...	...	314
321	Textiles	436	464	535	608	662	51536	55763	63767	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	407	473	578	691	792	33344	43852	52373	...	...	322
323	Leather and products ...	[248	248	270	303	324	12467	13330	14812]	...	...	323
324	Footwear									...	...	324
331	Wood products	[195	194	202	219	227	11260	10176	11114]	...	...	331
332	Furniture, fixtures									...	...	332
341	Paper and products ..... a/	322	336	345	355	376	11475	11956	12088	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... a/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... b/	215	253	279	301	321	21104	22283	23188	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. b/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	-	-	-	-	...	-	-	-	...	...	353
354	Petroleum,coal products.	-	-	-	-	...	-	-	-	...	...	354
355	Rubber products	[187	195	207	216	235	7841	8132	10628]	...	...	355
356	Plastic products n.e.c..									...	...	356
361	Pottery,china etc	[		]	...	...	[		]	...	...	361
362	Glass and products	290	305	311]	...	...	20934	25506]		...	...	362
369	Non-metal products n.e.c	[			...	...	[			...	...	369
371	Iron and steel	[32	26	22	10]	...	[2531	2852]	1350	...	...	371
372	Non-ferrous metals					...			1048	...	...	372
381	Metal products	340	329	350	366	377	18194	16644	18305	...	...	381
382	Machinery n.e.c.	188	202	210	...	...	6434	6610	5903	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	93	110	114	122	132	9271	9713	10537	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	87	99	98	105	102	6925	7652	8388	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	19	22	25	15	...	526	867	955	...	...	385
390	Other industries	26	26	28	30	31	622	435	637	...	...	390
3	Manufacturing	4350 c/	4624 c/	4546 d/	5389 c/	5730 c/	296953 c/	321666 c/	355104 c/	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Major group 342 is included in 341.
b/ Major group 352 is included in 351.
c/ Total includes industries for which data are not allocated to a particular sector.
d/ Estimated as sum of the given parts.

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION DIRHAMS)					4. OUTPUT (MILLION DIRHAMS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	577	635	...	...	...	8522	9738	10047	10476	...	311/2
313	Beverages	[334	352]	...	...	...	[3722	4921	5657	6069	5981]	313
314	Tobacco			...	...	...						314
321	Textiles	916	1016	...	...	...	6773	7332	7996	8892	9499	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	386	522	...	...	...	2296	3127	3713	3956	5592	322
323	Leather and products ...	[230	248]	...	...	...	[1645	1565	1888	1942	2196]	323
324	Footwear			...	...	...						324
331	Wood products	[212	223]	...	...	...	[1546	1521	1832	2570	2803]	331
332	Furniture, fixtures			...	...	...						332
341	Paper and products ..... b/	317	360	...	...	...	3205	3165	3383	3882	4411	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... b/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... c/	830	906	...	...	...	11282	12374	17438	12637	19108	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	-	-	...	...	...	-	-	-	-	-	353
354	Petroleum,coal products.	-	-	...	...	...	-	-	-	-	-	354
355	Rubber products	[235	245]	...	...	...	[1681	1881	2049	2223	2388]	355
356	Plastic products n.e.c..			...	...	...						356
361	Pottery,china etc	[	]	...	...	...	[				] ...	361
362	Glass and products	472	565	...	...	...	517	279	368	400	...	362
369	Non-metal products n.e.c			...	...	...					...	369
371	Iron and steel	[92	96]	...	...	...	[341	465	560	652]	...	371
372	Non-ferrous metals			...	...	...					...	372
381	Metal products	517	453	...	...	...	3452	3365	4303	4766	5331	381
382	Machinery n.e.c.	170	201	...	...	...	1163	1057	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	305	329	...	...	...	2099	2017	2423	3404	4215	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	241	283	...	...	...	2333	2270	2982	3539	4230	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	14	22	...	...	...	59	72	88	79	...	385
390	Other industries	11	9	...	...	...	32	33	59	83	86	390
3	Manufacturing ..... d/	6647	7305	...	...	...	66908	71541	84248	87201	103583	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Refer to compensation of employees.
b/ Major group 342 is included in 341.
c/ Major group 352 is included in 351.
d/ Total includes industries for which data are not allocated to a particular sector.

5. GROSS FIXED CAPITAL FORMATION
TOTAL
(MILLION DIRHAMS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	2
311/2	Food products	205	224	263	411	447	311/2
313	Beverages	[136	141	200	484	500]	313
314	Tobacco						314
321	Textiles	410	469	808	1092	946	321
3211	Spinning,weaving etc..	...	...	...	...	...	3211
322	Wearing apparel	160	228	406	378	597	322
323	Leather and products ...	[59	85	83	45	67]	323
324	Footwear						324
331	Wood products	75	46	70	142	163	331
332	Furniture, fixtures	39	24	23	25	21	332
341	Paper and products	82	130	132	292	295	341
3411	Pulp,paper etc.	82	130	132	292	295	3411
342	Printing,publishing	38	30	53	87	...	342
351	Industrial chemicals ... a/	1310	970	1072	682	655	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	111	7	31	27	21	3513
352	Other chemical products. a/	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	354
355	Rubber products	[65	91	114	120	185]	355
356	Plastic products n.e.c..						356
361	Pottery,china etc	[				]	361
362	Glass and products	22	14	7	17	16	362
369	Non-metal products n.e.c	[				]	369
371	Iron and steel	[1	3	6	3	9]	371
372	Non-ferrous metals						372
381	Metal products	135	123	307	188	308	381
382	Machinery n.e.c.	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ...	73	107	106	164	191	383
3832	Radio,television etc..	...	...	...	...	...	3832
384	Transport equipment	36	81	74	111	226	384
3841	Shipbuilding, repair..	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	390
3	Manufacturing ..... b/	2846	2766	3724	4241	4626	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	2-4

a/ Major group 352 is included in 351.

b/ Estimated as sum of the given parts.

6. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	108	99	123	115	104	115	92	73	88	-1.6	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	116	106	96	101	72	79	90	64	91	-1.2	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying . b/	102	111	121	120	118	117	136	104	111	1.3	2
311/2	Food products	101	102	110	108	113	94	92	91	96	-0.5	311/2
313	Beverages	77	78	73	75	78	90	116	115	106	0.7	313
314	Tobacco	100	110	123	121	120	120	126	124	98	-0.3	314
321	Textiles	111	113	102	117	128	143	147	132	109	1.1	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ... c/	122	114	118	115	102	98	66	69	91	-1.2	323
324	Footwear											324
331	Wood products	93	91	100	92	87	86	90	99	98	-0.3	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	95	98	87	94	98	93	99	105	90	-1.3	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	113	162	146	170	185	155	134	109	87	-1.7	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	112	116	113	113	117	112	113	116	93	-0.9	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	102	107	112	115	104	85	81	85	87	-1.7	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	74	67	73	64	60	64	80	107	89	-1.4	355
356	Plastic products n.e.c..	70	77	67	78	86	109	122	208	142	4.5	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	98	80	72	84	89	92	104	123	130	3.3	362
369	Non-metal products n.e.c	...	...	...	...	...	...	...	...	...	...	369
371	Iron and steel	84	91	95	81	67	124	259	319	113	1.5	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	93	99	91	82	67	86	116	389	132	3.5	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	94	93	82	93	107	102	90	77	85	-2.0	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	91	90	52	71	81	115	157	173	189	8.3	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing ..... d/	103	110	110	116	121	124	135	125	136	4.1	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	114	123	127	135	149	118	116	126	105	0.6	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry d/	103	111	113	117	121	124	136	123	133	3.6	2-4

a/ Annual growth rate 1982-1990.
b/ Excluding stone quarrying, clay and sand pits.
c/ Excluding fur and fur products.
d/ Relates to industries for which indexes are shown.

MOZAMBIQUE

The information in the tables is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Direcçao Nacional de Estatística, Maputo.

The data in the tables are derived from annual inquiries undertaken by several government agencies, that is, for mining and quarrying except saltern operations, the Geological and Mining Department; for peeling and whitening of rice, the Cereals Institute of Mozambique; for electricity, gas and water, the Informaçao Estatística CNP/DNE; and for other industrial activities and saltern operations, the Direcçao National de Estatística, Maputo. These inquiries cover all registered establishments and are conducted by mail. The following activities are not included in manufacturing: poultry slaughtering, copra drying, tailoring, dressmaking, upholstering, manufacture of underclothes and embroidering. Electricity data exclude private stations which are not connected with industrial activities. The data for 1989 are taken from the national publication Informacao Estaistica 1989, issued by the Comissas, Nacional do Plano, Direccao Nacional de Estatistica and are not found to be comparable with those of the previous years.

The data are based on the national classification which is generally comparable with the present version of the ISIC. The concepts and definitions are generally in accordance with the United Nations standards, although the following points should be noted:

Number of establishments refers to those in operation on 31 December;

Employment numbers relate to 31 December of the year indicated;

Output and value added refer to gross output and total value added, respectively.

Related national publication:

Estatistica Industriais (annual), published by the Direcçao Nacional de Estatística, Maputo.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (THOUSANDS)					ISIC
		1986	1987	1988	b/ 1989	1990	1986	1987	1988	b/ 1989	1990	
210	Coal mining	1	...	1	1	...	4.17	1.38	1.51	1.41	...	210
220	Petroleum and gas	-	...	-	-	...	-	-	-	-	...	220
230	Metal ore mining	1	...	1	-	...	1.70	0.26	0.29	-	...	230
290	Other mining	4	...	2	6	...	0.27	3.38	3.11	2.44	...	290
2	Mining, quarrying .	6	...	4	7	...	6.14	5.02	4.91	3.85	...	2
311/2	Food products	51	...	117	74	...	24.32	54.74	60.34	39.23	...	311/2
313	Beverages	16	...	16	10	...	2.58	2.14	1.94	1.71	...	313
314	Tobacco	5	...	5	3	...	0.50	0.50	0.50	0.35	...	314
321	Textiles	18	...	21	18	...	10.55	14.95	16.67	11.64	...	321
3211	Spinning,weaving etc..	...	...	4	...	...	...	1.44	3.33	...	...	3211
322	Wearing apparel	35	...	34	23	...	5.17	5.12	4.88	3.70	...	322
323	Leather and products ...	4	...	4	1	...	0.34	0.32	0.36	0.17	...	323
324	Footwear	14	...	15	11	...	1.21	1.42	1.45	1.31	...	324
331	Wood products	1	...	17	11	...	0.02	5.43	4.24	2.14	...	331
332	Furniture, fixtures	31	...	34	17	...	3.29	1.62	2.40	1.23	...	332
341	Paper and products	4	...	4	3	...	0.80	0.73	0.72	0.40	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	25	...	29	24	...	2.71	2.71	2.88	2.62	...	342
351	Industrial chemicals ...	23	...	9	8	...	0.69	0.39	0.42	0.26	...	351
3511	Basic excl fertilizers	14	...	...	...	...	0.24	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	5	...	5	14	...	0.27	1.29	1.56	1.27	...	352
3522	Drugs and medicines ..	1	...	1	-	...	0.03	0.03	0.03	...	...	3522
353	Petroleum refineries ...	2	...	1	1	...	1.37	0.86	0.84	0.95	...	353
354	Petroleum,coal products.	-	...	-	-	...	-	-	-	-	...	354
355	Rubber products	6	...	8	6	...	0.66	1.10	0.99	1.08	...	355
356	Plastic products n.e.c..	13	...	12	8	...	0.93	1.00	1.33	0.94	...	356
361	Pottery,china etc	1	...	1	-	...	0.08	0.09	-	-	...	361
362	Glass and products	1	...	2	2	...	0.87	1.03	0.94	0.88	...	362
369	Non-metal products n.e.c	4	...	4	9	...	0.43	5.25	3.39	3.09	...	369
371	Iron and steel	10	...	11	7	...	1.51	1.73	1.67	1.60	...	371
372	Non-ferrous metals	1	...	1	-	...	0.16	0.03	-	-	...	372
381	Metal products	22	...	23	14	...	0.55	2.78	2.27	2.28	...	381
382	Machinery n.e.c.	8	...	16	13	...	1.12	1.91	1.67	1.68	...	382
3825	Office,computing etc..	...	...	1	...	...	...	0.02	-	...	...	3825
383	Electrical machinery ...	5	...	8	6	...	0.94	1.41	1.47	1.47	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	5	...	10	9	...	1.24	2.71	2.92	2.76	...	384
3841	Shipbuilding, repair..	2	...	2	...	...	1.15	1.02	1.04	...	...	3841
3843	Motor vehicles	1	...	3	...	...	0.08	0.22	0.28	...	...	3843
385	Professional goods	-	...	1	1	...	-	0.11	0.08	0.08	...	385
390	Other industries	1	...	3	2	...	0.08	0.26	0.39	0.26	...	390
3	Manufacturing	311	...	411	295	...	62.36	133.27	140.59	83.10	...	3
410	Electricity,gas,steam ..	13	...	15	8	...	4.60	3.84	2.91	2.41	...	410
4101	Electricity	13	...	15	8	...	4.60	3.84	2.91	2.41	...	4101
420	Water works and supply .	1	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	14	...	15 c/	8 c/	...	4.60 c/	3.84 c/	2.91 c/	2.41 c/	...	4
2-4	All industry	331	...	430 c/	310 c/	...	114.50 c/	142.13 c/	148.41 c/	89.36 c/	...	2-4

a/ At 31 December of the year indicated.
b/ For source and comparability, See country note.
c/ Excluding major group 420.

MOZAMBIQUE

3. AVERAGE NUMBER OF OPERATIVES a/ (NUMBER)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	1237	1087	1018	...	...	210
220	Petroleum and gas	-	-	-	...	...	220
230	Metal ore mining	166	225	247	...	...	230
290	Other mining	1754	1092	822	...	...	290
2	Mining, quarrying	3157	2404	2087	...	...	2
311/2	Food products	17999	25671	25570	...	...	311/2
313	Beverages	1631	1305	1111	...	...	313
314	Tobacco	394	371	352	...	...	314
321	Textiles	8175	9702	8818	...	...	321
3211	Spinning,weaving etc.	...	160	600	...	...	3211
322	Wearing apparel	4267	4108	4011	...	...	322
323	Leather and products	267	236	242	...	...	323
324	Footwear	974	1082	1187	...	...	324
331	Wood products	10	4082	2087	...	...	331
332	Furniture, fixtures	3284	1264	1916	...	...	332
341	Paper and products	477	405	392	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	1801	1719	1733	...	...	342
351	Industrial chemicals	833	247	263	...	...	351
3511	Basic excl fertilizers	814	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	3513
352	Other chemical products.	93	858	1099	...	...	352
3522	Drugs and medicines	20	20	16	...	...	3522
353	Petroleum refineries	752	708	667	...	...	353
354	Petroleum,coal products.	-	-	-	...	...	354
355	Rubber products	351	590	349	...	...	355
356	Plastic products n.e.c.	584	632	795	...	...	356
361	Pottery,china etc	...	37	-	...	...	361
362	Glass and products	50	591	514	...	...	362
369	Non-metal products n.e.c	338	3680	2872	...	...	369
371	Iron and steel	1042	1203	1154	...	...	371
372	Non-ferrous metals	69	21	-	...	...	372
381	Metal products	236	2001	1948	...	...	381
382	Machinery n.e.c.	29	1246	1103	...	...	382
3825	Office,computing etc.	...	-	-	...	...	3825
383	Electrical machinery	676	793	889	...	...	383
3832	Radio,television etc.	...	...	...	...	...	3832
384	Transport equipment	1068	1856	1929	...	...	384
3841	Shipbuilding, repair.	716	660	744	...	...	3841
3843	Motor vehicles	75	267	255	...	...	3843
385	Professional goods	-	68	41	...	...	385
390	Other industries	69	158	229	...	...	390
3	Manufacturing	45469 b/	64634	61271	...	...	3
410	Electricity,gas,steam	2477	1786	1564	...	...	410
4101	Electricity	2477	1786	1564	...	...	4101
420	Water works and supply	...	...	...	...	...	420
4	Electricity,gas etc c/	2477	1786	1564	...	...	4
2-4	All industry c/	51103 b/	68824	64922	...	...	2-4

a/ At 31 December of the year indicated.
b/ Excluding major group 361.
c/ Excluding major group 420.

NEPAL

The information in the tables is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Central Bureau of Statistics, National Planning Commission, Kathmandu.

The data for 1986 are derived from the Census of Manufacturing Establishments undertaken every five years by the Central Bureau of Statistics. The data cover all establishments with 10 or more persons engaged or those using auto-machines irrespective of persons engaged. Beginning 1987 data are derived from the Annual Survey of Manufacturing Establishments and cover establishments with ten or more persons engaged.

The Nepal industrial classification scheme is comparable with the present version of the ISIC. The concept and definitions used are generally in accordance with the United Nations standards, although the following points should be noted:

Reference period is the fiscal year, beginning mid-July of the year indicated;

Employment data include contract labour. Employment reference period is 15 January;

Number of operatives and their corresponding wages and salaries for 1986 do not include data on grain mills which do not purchase materials and sell products;

Wages and salaries of employees refer to the compensation of employees which include contributions to insurance, old age benefits and the like;

Output refers to census output and is not adjusted for the cost of goods sold without further processing;

Value added refers to census value added. Valuation of both census output and census value added is in producers' prices.

Related national publications:

Census of Manufacturing Establishments, 1986/87; Annual Survey of Manufacturing Establishments, 1987/88 and 1988/1989, each of them published by the Central Bureau of Statistics, Kathmandu, Nepal.

NEPAL

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER) a/ 1986	b/ 1987	b/ 1988	1989	1990	2. AVERAGE NUMBER OF PERSONS ENGAGED (NUMBER) a/ 1986	b/ 1987	b/ 1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	6583	360	365	...	...	33903	17003	15882	...	...	311/2
313	Beverages	37	36	34	...	...	1685	1942	1655	...	...	313
314	Tobacco	69	71	70	...	...	8992	7563	7294	...	...	314
321	Textiles	511	420	409	...	...	25731	32035	31312	...	...	321
3211	Spinning,weaving etc..	327	212	212	...	...	9605	9116	8474	...	...	3211
322	Wearing apparel	86	99	81	...	...	8712	8717	9038	...	...	322
323	Leather and products ...	11	12	12	...	...	499	519	583	...	...	323
324	Footwear	7	7	8	...	...	697	567	525	...	...	324
331	Wood products	335	114	113	...	...	4121	3127	2611	...	...	331
332	Furniture, fixtures	293	114	115	...	...	2998	1796	1684	...	...	332
341	Paper and products	29	23	22	...	...	1308	1308	1564	...	...	341
3411	Pulp,paper etc.	29	23	22	...	...	1308	1424	1564	...	...	3411
342	Printing,publishing	326	88	85	...	...	3402	2099	2029	...	...	342
351	Industrial chemicals ...	-	-	1	...	...	-	-	c/	...	...	351
3511	Basic excl fertilizers	-	-	1	...	...	-	-	c/	...	...	3511
3513	Synthetic resins etc .	-	-	-	...	...	-	-	-	...	...	3513
352	Other chemical products.	96	85	85	...	...	5460	5090	5361	...	...	352
3522	Drugs and medicines ..	16	14	12	...	...	1122	981	1016	...	...	3522
353	Petroleum refineries ...	-	-	-	...	...	-	-	-	...	...	353
354	Petroleum,coal products.	-	-	-	...	...	-	-	-	...	...	354
355	Rubber products	22	19	28	...	...	685	733	975	...	...	355
356	Plastic products n.e.c..	54	40	46	...	...	1216	1309	1439	...	...	356
361	Pottery,china etc	-	-	-	...	...	-	-	-	...	...	361
362	Glass and products	1	1	1	...	...	c/	c/	c/	...	...	362
369	Non-metal products n.e.c	513	624	661	...	...	45490	53076	55168	...	...	369
371	Iron and steel	34	22	21	...	...	1355	1092	1832	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products	294	131	128	...	...	4478	3853	2739	...	...	381
382	Machinery n.e.c.	-	-	-	...	...	-	-	-	...	...	382
3825	Office,computing etc..	-	-	-	...	...	-	-	-	...	...	3825
383	Electrical machinery ...	27	23	24	...	...	c/ 735	c/ 1177	c/ 1079	...	...	383
3832	Radio,television etc..	2	2	4	...	...	c/	c/	c/ 226	...	...	3832
384	Transport equipment	-	-	-	...	...	-	-	-	...	...	384
3841	Shipbuilding, repair..	-	-	-	...	...	-	-	-	...	...	3841
3843	Motor vehicles	-	-	-	...	...	-	-	-	...	...	3843
385	Professional goods	5	2	2	...	...	103	c/	c/	...	...	385
390	Other industries	26	23	24	...	...	888	1071	1427	...	...	390
3	Manufacturing	9359	2314	2339	...	...	152579	144425	c/ 144197	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 10 or more persons engaged or using automachines.
b/ Establishments with 10 or more persons engaged.
c/ All or part of data suppressed to maintain confidentiality.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES (NUMBER) a/ 1986	b/ 1987	b/ 1988	1989	1990	4. WAGES AND SALARIES OF EMPLOYEES (THOUSAND RUPEES) a/ 1986	b/ 1987	b/ 1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	24050	16432	15204	...	...	182475	133234	155031	...	...	311/2
313	Beverages ..... c/	1628	1900	1584	...	...	20233	27574	20594	...	...	313
314	Tobacco ..... c/	8873	7430	7160	...	...	70373	78613	87421	...	...	314
321	Textiles	24239	31195	30476	...	...	208023	341827	359248	...	...	321
3211	Spinning,weaving etc..	8596	8742	8081	...	...	73941	96660	102242	...	...	3211
322	Wearing apparel	8518	8576	8899	...	...	79291	115795	120815	...	...	322
323	Leather and products ...	483	497	552	...	...	4141	5498	6339	...	...	323
324	Footwear	688	559	519	...	...	6277	8033	8960	...	...	324
331	Wood products	3555	2996	2463	...	...	32244	31329	25000	...	...	331
332	Furniture, fixtures	2494	1566	1470	...	...	19016	14825	14958	...	...	332
341	Paper and products	1238	1383	1533	...	...	9435	15224	16763	...	...	341
3411	Pulp,paper etc.	1238	1383	1533	...	...	9435	15224	16763	...	...	3411
342	Printing,publishing	2715	1905	1907	...	...	27482	24564	25983	...	...	342
351	Industrial chemicals ...	-	-	c/	...	...	-	-	c/	...	...	351
3511	Basic excl fertilizers	-	-	c/	...	...	-	-	c/	...	...	3511
3513	Synthetic resins etc .	-	-	-	...	...	-	-	-	...	..	3513
352	Other chemical products.	5258	4970	5235	...	...	48165	56355	69991	...	...	352
3522	Drugs and medicines ..	1086	964	1012	...	...	10610	12663	12478	...	...	3522
353	Petroleum refineries ...	-	-	-	...	...	-	-	-	...	...	353
354	Petroleum,coal products.	-	-	-	...	...	-	-	-	...	...	354
355	Rubber products	625	703	906	...	...	6218	6424	9168	...	...	355
356	Plastic products n.e.c..	1126	1265	1318	...	...	10832	13691	17332	...	...	356
361	Pottery,china etc	-	-	-	...	...	-	-	-	...	...	361
362	Glass and products ..... c/	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	44416	51695	53956	...	...	190684	218153	254862	...	...	369
371	Iron and steel	1299	1076	1788	...	...	13984	13040	19820	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products	3988	3689	2539	...	...	42783	49310	33790	...	...	381
382	Machinery n.e.c.	-	-	-	...	...	-	-	-	...	...	382
3825	Office,computing etc..	-	-	-	...	...	-	-	-	...	...	3825
383	Electrical machinery ... c/	697	1147	1012	...	...	8911	12073	12857	...	...	383
3832	Radio,television etc.. c/	...	...	216	...	...	...	...	2969	...	...	3832
384	Transport equipment	-	-	-	...	...	-	-	-	...	...	384
3841	Shipbuilding, repair..	-	-	-	...	...	-	-	-	...	...	3841
3843	Motor vehicles	-	-	-	...	...	-	-	-	...	...	3843
385	Professional goods	94	c/	c/	...	...	948	c/	c/	...	...	385
390	Other industries	841	1041	1386	...	...	5937	8365	13982	...	...	390
3	Manufacturing	136911	140246	c/ 139907	...	...	988853	d/ 1176	c/d/ 1273	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 10 or more persons engaged or using automachines.
b/ Establishments with 10 or more persons engaged. c/ All or part of data suppressed to maintain confidentiality.
d/ In Million Rupees.

NEPAL

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES (NUMBER) a/b/ 1986	c/ 1987	c/ 1988	1989	1990	6. WAGES AND SALARIES OF OPERATIVES (THOUSAND RUPEES) a/b/ 1986	c/ 1987	c/ 1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	12975	12648	11408	...	...	70859	69625	84508	...	...	311/2
313	Beverages ..... d/	1117	1270	1061	...	...	9316	12035	10248	...	...	313
314	Tobacco ..... d/	8008	6646	5959	...	...	37476	42383	50322	...	...	314
321	Textiles	21790	28877	27605	...	...	160022	271375	281704	...	...	321
3211	Spinning,weaving etc..	7200	7645	6983	...	...	49747	63516	66462	...	...	3211
322	Wearing apparel	7691	7874	8250	...	...	65476	101893	110299	...	...	322
323	Leather and products ...	371	393	408	...	...	2287	3194	3073	...	...	323
324	Footwear	498	417	410	...	...	4187	4339	5730	...	...	324
331	Wood products	2546	2011	1667	...	...	19223	14711	13035	...	...	331
332	Furniture, fixtures	2251	1358	1283	...	...	15301	11187	11477	...	...	332
341	Paper and products	752	1070	1262	...	...	4109	7837	10853	...	...	341
3411	Pulp,paper etc.	752	1070	1262	...	...	4109	7837	10853	...	...	3411
342	Printing,publishing	2133	1362	1405	...	...	17969	12454	17223	...	...	342
351	Industrial chemicals ...	-	-	d/	...	...	-	-	d/	...	...	351
3511	Basic excl fertilizers	-	-	d/	...	...	-	-	d/	...	...	3511
3513	Synthetic resins etc .	-	-	-	...	...	-	-	-	...	...	3513
352	Other chemical products.	3775	3738	4017	...	...	24848	34085	44258	...	...	352
3522	Drugs and medicines ..	557	623	713	...	...	3573	6346	7475	...	...	3522
353	Petroleum refineries ...	-	-	-	...	...	-	-	-	...	...	353
354	Petroleum,coal products.	-	-	-	...	...	-	-	-	...	...	354
355	Rubber products	485	519	702	...	...	3689	3822	5790	...	...	355
356	Plastic products n.e.c..	814	1000	1030	...	...	5486	8186	11188	...	...	356
361	Pottery,china etc	-	-	-	...	...	-	-	-	...	...	361
362	Glass and products ..... d/	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	41576	48995	49935	...	...	154226	173055	198777	...	...	369
371	Iron and steel	919	664	1158	...	...	7538	6557	11552	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products	2934	2952	3163	...	...	29159	34062	22169	...	...	381
382	Machinery n.e.c.	-	-	-	...	...	-	-	-	...	...	382
3825	Office,computing etc..	-	-	-	...	...	-	-	-	...	...	3825
383	Electrical machinery ... d/	458	629	736	...	...	3785	5496	6855	...	...	383
3832	Radio,television etc.. d/	...	...	138	...	...	...	...	1623	...	...	3832
384	Transport equipment	-	-	-	...	...	-	-	-	...	...	384
3841	Shipbuilding, repair..	-	-	-	...	...	-	-	-	...	...	3841
3843	Motor vehicles	-	-	-	...	...	-	-	-	...	...	3843
385	Professional goods	77	d/	d/	...	...	613	d/	d/	...	...	385
390	Other industries	687	776	1026	...	...	3744	4416	7159	...	...	390
3	Manufacturing	111933	123316	122485 d/	...	...	639995	821737	906220 d/	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 10 or more persons engaged or using automachines.
b/ Excluding data of grain mills which do not purchase materials and sell products.
c/ Establishments with 10 or more persons engaged. d/ All or part of data suppressed to maintain confidentiality.

ISIC	INDUSTRY	7. HOURS WORKED BY OPERATIVES (THOUSANDS) a/ 1986	1987	1988	1989	1990	8. QUANTITY OF ELECTRICITY CONSUMED (THOUSAND KWH) a/b/ 1986	c/ 1987	c/ 1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	37652	...	...	...	...	26152	22664	31669	...	...	311/2
313	Beverages ..... d/	2999	...	...	...	...	2739	6139	4016	...	...	313
314	Tobacco ..... d/	25754	...	...	...	...	3048	3152	2918	...	...	314
321	Textiles	97470	...	...	...	...	29064	10327	28035	...	...	321
3211	Spinning,weaving etc..	31937	...	...	...	...	15490	1579	17638	...	...	3211
322	Wearing apparel	18185	...	...	...	...	1650	2727	3000	...	...	322
323	Leather and products ...	983	...	...	...	...	1705	1197	1362	...	...	323
324	Footwear	1131	...	...	...	...	307	433	402	...	...	324
331	Wood products	5471	...	...	...	...	3320	1615	1779	...	...	331
332	Furniture, fixtures	4994	...	...	...	...	1167	953	845	...	...	332
341	Paper and products	3016	...	...	...	...	5511	5840	7971	...	...	341
3411	Pulp,paper etc.	3016	...	...	...	...	5511	5840	7971	...	...	3411
342	Printing,publishing	6686	...	...	...	...	1607	8023	998	...	...	342
351	Industrial chemicals ...	-	...	...	...	...	-	-	d/	...	...	351
3511	Basic excl fertilizers	-	...	...	...	...	-	-	d/	...	...	3511
3513	Synthetic resins etc .	-	...	...	...	...	-	-	-	...	...	3513
352	Other chemical products.	14858	...	...	...	...	5641	4175	6202	...	...	352
3522	Drugs and medicines ..	1332	...	...	...	...	464	432	761	...	...	3522
353	Petroleum refineries ...	-	...	...	...	...	-	-	-	...	...	353
354	Petroleum,coal products.	-	...	...	...	...	-	-	-	...	...	354
355	Rubber products	1600	...	...	...	...	2895	2815	4488	...	...	355
356	Plastic products n.e.c..	3093	...	...	...	...	4361	4966	6416	...	...	356
361	Pottery,china etc	-	...	...	...	...	-	-	-	...	...	361
362	Glass and products	d/	...	...	...	...	d/	d/	14	...	...	362
369	Non-metal products n.e.c	82653	...	...	...	...	34769	33120	38310	...	...	369
371	Iron and steel	2496	...	...	...	...	7307	4582	9833	...	...	371
372	Non-ferrous metals	-	...	...	...	...	-	-	-	...	...	372
381	Metal products	7210	...	...	...	...	3981	3938	3808	...	...	381
382	Machinery n.e.c.	-	...	...	...	...	-	-	-	...	...	382
3825	Office,computing etc..	-	...	...	...	...	-	-	-	...	...	3825
383	Electrical machinery ... d/	1336	...	...	...	...	2554	2430	2687	...	...	383
3832	Radio,television etc.. d/	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	-	...	...	...	...	-	-	-	...	...	384
3841	Shipbuilding, repair..	-	...	...	...	...	-	-	-	...	...	3841
3843	Motor vehicles	-	...	...	...	...	-	-	-	...	...	3843
385	Professional goods	179	...	...	...	...	43	d/	d/	...	...	385
390	Other industries	3248	...	...	...	...	1366	1021	1122	...	...	390
3	Manufacturing	329246	...	...	...	...	143644	127222	d/ 155875	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 10 or more persons engaged or using automachines.
b/ Excluding data of grain mills which do not purchase materials and sell products.
c/ Establishments with 10 or more persons engaged. d/ All or part of data suppressed to maintain confidentiality.

NEPAL

ISIC	INDUSTRY	9. OUTPUT IN PRODUCERS' PRICES a/ (MILLION RUPEES)					10. VALUE ADDED IN PRODUCERS' PRICES (MILLION RUPEES)					ISIC
		b/ 1986	c/ 1987	c/ 1988	1989	1990	b/ 1986	c/ 1987	c/ 1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	6678	2465	2627	...	...	1454	615	607	...	...	311/2
313	Beverages ..... d/	282	661	490	...	...	128	449	334	...	...	313
314	Tobacco ..... d/	944	1269	1176	...	...	661	877	789	...	...	314
321	Textiles	1528	1945	2318	...	...	320	427	830	...	...	321
3211	Spinning,weaving etc..	785	866	901	...	...	282	331	339	...	...	3211
322	Wearing apparel	391	692	780	...	...	185	304	334	...	...	322
323	Leather and products ...	211	154	275	...	...	77	37	47	...	...	323
324	Footwear	29	52	56	...	...	14	20	20	...	...	324
331	Wood products	246	211	148	...	...	89	101	62	...	...	331
332	Furniture, fixtures	101	107	82	...	...	46	53	38	...	...	332
341	Paper and products	105	158	172	...	...	31	48	63	...	...	341
3411	Pulp,paper etc.	105	158	172	...	...	31	48	63	...	...	3411
342	Printing,publishing	152	131	146	...	...	70	58	3	...	...	342
351	Industrial chemicals ...	-	-	- d/	...	...	-	-	- d/	...	...	351
3511	Basic excl fertilizers	-	-	- d/	...	...	-	-	- d/	...	...	3511
3513	Synthetic resins etc .	-	-	-	...	...	-	-	-	...	...	3513
352	Other chemical products.	622	775	951	...	...	184	247	370	...	...	352
3522	Drugs and medicines ..	56	83	77	...	...	19	30	84	...	...	3522
353	Petroleum refineries ...	-	-	-	...	...	-	-	-	...	...	353
354	Petroleum,coal products.	-	-	-	...	...	-	-	-	...	...	354
355	Rubber products	85	99	159	...	...	20	40	48	...	...	355
356	Plastic products n.e.c..	156	166	268	...	...	44	56	72	...	...	356
361	Pottery,china etc	-	-	-	...	...	-	-	-	...	...	361
362	Glass and products ..... d/	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	938	1043	1336	...	...	555	580	748	...	...	369
371	Iron and steel	422	334	795	...	...	102	83	210	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products	349	462	422	...	...	120	150	135	...	...	381
382	Machinery n.e.c.	-	-	-	...	...	-	-	-	...	...	382
3825	Office,computing etc..	-	-	-	...	...	-	-	-	...	...	3825
383	Electrical machinery ... d/	184	355	355	...	...	52	146	118	...	...	383
3832	Radio,television etc.. d/	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	-	-	-	...	...	-	-	-	...	...	384
3841	Shipbuilding, repair..	-	-	-	...	...	-	-	-	...	...	3841
3843	Motor vehicles	-	-	-	...	...	-	-	-	...	...	3843
385	Professional goods	13	d/	d/	...	...	2	d/	d/	...	...	385
390	Other industries	70	93	93	...	...	23	41	34	...	...	390
3	Manufacturing	13538	11207	12649 d/	...	...	4489	4705	4862 d/	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Not adjusted for the cost of goods sold without further processing.
b/ Establishments with 10 or more persons engaged or using automachines.
c/ Establishments with 10 or more persons engaged.
d/ All or part of data suppressed to maintain confidentiality.

11. GROSS FIXED CAPITAL FORMATION
TOTAL
(MILLION RUPEES)

ISIC	INDUSTRY	a/ 1986	b/ 1987	b/ 1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	2
311/2	Food products	133	110	86	...	...	311/2
313	Beverages ..... c/	5	46	15	...	...	313
314	Tobacco ..... c/	20	32	30	...	...	314
321	Textiles	59	313	49	...	...	321
3211	Spinning,weaving etc..	52	273	42	...	...	3211
322	Wearing apparel	9	6	3	...	...	322
323	Leather and products ...	2	2	14	...	...	323
324	Footwear	4	-2	5	...	...	324
331	Wood products	5	1	1	...	...	331
332	Furniture, fixtures	1	2	1	...	...	332
341	Paper and products	17	61	7	...	...	341
3411	Pulp,paper etc.	17	61	7	...	...	3411
342	Printing,publishing	1	8	3	...	...	342
351	Industrial chemicals ...	-	-	c/	...	...	351
3511	Basic excl fertilizers	-	-	c/	...	...	3511
3513	Synthetic resins etc .	-	-	-	...	...	3513
352	Other chemical products.	17	52	32	...	...	352
3522	Drugs and medicines ..	6	36	4	...	...	3522
353	Petroleum refineries ...	-	-	-	...	...	353
354	Petroleum,coal products.	-	-	-	...	...	354
355	Rubber products	2	9	6	...	...	355
356	Plastic products n.e.c..	9	2	19	...	...	356
361	Pottery,china etc	-	-	-	...	...	361
362	Glass and products ..... c/	...	...	...	...	...	362
369	Non-metal products n.e.c	112	248	79	...	...	369
371	Iron and steel	20	7	69	...	...	371
372	Non-ferrous metals	-	-	-	...	...	372
381	Metal products	12	135	8	...	...	381
382	Machinery n.e.c.	-	-	-	...	...	382
3825	Office,computing etc..	-	-	-	...	...	3825
383	Electrical machinery ... c/	4	41	8	...	...	383
3832	Radio,television etc.. c/	...	...	...	...	...	3832
384	Transport equipment	-	-	-	...	...	384
3841	Shipbuilding, repair..	-	-	-	...	...	3841
3843	Motor vehicles	-	-	-	...	...	3843
385	Professional goods	-	c/	c/	...	...	385
390	Other industries	4	1	2	...	...	390
3	Manufacturing	437	1077	437 c/	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	2-4

a/ Establishments with 10 or more persons engaged or using automachines.
b/ Establishments with 10 or more persons engaged.
c/ All or part of data suppressed to maintain confidentiality.

NETHERLANDS

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Netherlands Central Bureau of Statistics, Voorburg. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates are derived primarily from the production statistics inquiry and the survey of fixed capital formation, both of which are carried out annually by the Netherlands Central Bureau of Statistics. These inquiries generally cover all kind-of-activity units with 10 or more employees. Except for gross fixed capital formation, the information in the tables has been adjusted to cover all industrial units irrespective of size by the use of supplementary estimates from social security and other sources.

The estimates are based on the national classification which generally follows the present version of ISIC.

The employment data are estimated within the framework of the national accounts. The data are converted into an annual average expressed in terms of person-years. Persons who were not employed throughout the year have been counted only partially on the basis of the number of days or the number of hours worked per day during which they were employed.

The estimates of electricity consumed relate to total industrial consumption. They are based on returns covering all companies with energy consumption of 20 terajoules or more plus estimates for the small companies below this level. The latter are not distributed by industry and in the table are included under other industries, ISIC 390.

The value of output is in approximate basic values derived from input-output tables. The estimates of value added relate to the contribution of each branch of industry to the gross domestic product. Data are shown after the deduction of net indirect taxes.

Estimates of gross fixed capital formation refer to the current value of purchases and own-account construction of fixed assets (net of sales), including fixed capital formation in new establishments not yet in operation; progress payments made for fixed assets on order, but not completed at the end of the year, are not included. The information shown does not cover land. The investments are measured directly and not by the commodity-flow method and are, therefore, not consistent with those in the Netherlands national accounts statistics. The estimates for mining and manufacturing relate to kind-of-activity units with 10 or more employees; all kind-of-activity units are covered for electricity, gas and water.

The indices of industrial production are compiled by the Central Bureau of Statistics and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover all establishments including handicrafts.

Related national publications:

Nationale Rekeningen (National Accounts) (annual); Statistiek van de Investeringen in Vaste Activa in de Nijverheid (Statistics on Fixed Capital Formation in Industry) (annual); Produkiestatistieken (for individual industries); Statistiek van de Electriciteitsvoorziening in Nederland; Statistiek van de Gazvoorziening in Nederland; Maandstatistiek van de Industrie, all published by the Central Bureau of Statistics, Voorburg.

ISIC	INDUSTRY	1. NUMBER OF ENTERPRISES (NUMBER) 1986	1987	1988	1989	1990	2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (THOUSANDS) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	... c/	...	...	...	...	b/	b/	b/	b/	...	210
220	Petroleum and gas	286	141	141	160	207	7	7	7	7	...	220
230	Metal ore mining	...	...	...	...	...	-	-	-	-	...	230
290	Other mining	c/	163	164	171	177	3	3	3	3	...	290
2	Mining, quarrying	...	...	...	...	...	10	10	10	10	...	2
311/2	Food products	7239	7167	7092	7037	7018	140	140	140	141	...	311/2
313	Beverages	126	118	120	118	109	[22	22	22	22]	...	313
314	Tobacco	48	48	46	43	42					...	314
321	Textiles	1455	1471	1515	1554	1560	25	25	25	25	...	321
3211	Spinning,weaving etc.	360	368	366	382	364	...	...	...	...	...	3211
322	Wearing apparel	2585 d/	2683 d/	2748 d/	2894 d/	2947 d/	14	14	14	14	...	322
323	Leather and products	382	387	403	406	404	[8	8	7	7]	...	323
324	Footwear	358	364	363	364	355					...	324
331	Wood products	2444	2482	2578	2628	2722	[35	36	38	39]	...	331
332	Furniture, fixtures	2951	3042	3149	3313	3413					...	332
341	Paper and products	336	350	362	371	366	24	25	25	26	...	341
3411	Pulp,paper etc.	...	43	42	44	36	...	8	...	...	...	3411
342	Printing,publishing	6292	6565	6776	7116	7377	82	84	86	90	...	342
351	Industrial chemicals	214	216	220	220	238	b/ 115	b/ 117	b/ 120	b/ 123	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	624	625	630	612	619	b/	b/	b/	b/	...	352
3522	Drugs and medicines	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries	7	7	7	7	8	[11	11	11	10]	...	353
354	Petroleum,coal products.	76	77	81	86	78					...	354
355	Rubber products	111	110	112	115	119	b/	b/	b/	b/	...	355
356	Plastic products n.e.c.	907	944	979	1024	1062	b/	b/	b/	b/	...	356
361	Pottery,china etc	574	538	540	527	518	[			]	...	361
362	Glass and products	216 e/	222 e/	223 e/	240 e/	249 e/	33	34	35	36	...	362
369	Non-metal products n.e.c	924	916	921	926	941					...	369
371	Iron and steel	255	264	262	263	274	[34	34	34	33]	...	371
372	Non-ferrous metals	...	...	...	...	...					...	372
381	Metal products	6525	6671	6814	7053	7181	91	91	93	97	...	381
382	Machinery n.e.c.	3170	3254	3325	3414	3471	84	85	86	89	...	382
3825	Office,computing etc. f/	1375	1410	1447	1473	1512	...	...	...	...	...	3825
383	Electrical machinery	1740	1891	2026	2187	2274	104	105	103	100	...	383
3832	Radio,television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	2071	2148	2197	2273	2345	65	64	63	65	...	384
3841	Shipbuilding, repair	1260	1324	1354	1392	1454	...	...	...	...	...	3841
3843	Motor vehicles g/	571	575	585	608	623	...	...	...	...	...	3843
385	Professional goods	1191	1198	1251	1313	1341	[19	19	19	19]	...	385
390	Other industries	1637	1703	1746	1851	1928					...	390
3	Manufacturing	...	...	...	...	...	907	914	921	936	...	3
410	Electricity,gas,steam	...	...	...	...	...	38	38	...	...	...	410
4101	Electricity	...	...	...	...	...	27	27	...	...	...	4101
420	Water works and supply	...	...	...	...	...	8	8	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	46	46	46	46	...	4
2-4	All industry	...	...	...	...	...	963	970	977	992	...	2-4

a/ Including homeworkers.
b/ Major groups 210, 352, 355 and 356 are included in 351.
c/ Major group 290 is included in 220.
d/ ISIC 3232 is included in major group 322.
e/ ISIC 3691 is included in major group 362.
f/ Including ISIC 3829.
g/ Including ISIC 3845.

NETHERLANDS

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES b/ (MILLION GUILDERS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining ..... c/	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	7	7	7	7	...	469	481	...	...	...	220
230	Metal ore mining	-	-	-	-	...	-	-	...	...	...	230
290	Other mining	3	3	3	3	...	145	148	...	...	...	290
2	Mining, quarrying .	10	10	10	10	...	614	629	...	...	...	2
311/2	Food products	124	124	124	125	...	5280	5396	...	...	...	311/2
313	Beverages	13	13	[21	21]	...	630	659	...	...	...	313
314	Tobacco	8	8			...	355	367	...	...	...	314
321	Textiles	24	24	24	24	...	947	969	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	11	11	11	11	...	343	351	...	...	...	322
323	Leather and products ...	[7	7	6	6]	...	[220	224]	...	...	...	323
324	Footwear					...			...	...	...	324
331	Wood products	[31	32	34	35]	...	[1065	1115]	...	...	...	331
332	Furniture, fixtures					...			...	...	...	332
341	Paper and products	24	25	25	26	...	1134	1195	...	...	...	341
3411	Pulp,paper etc.	8	8	...	...	...	429	443	...	...	...	3411
342	Printing,publishing	79	81	83	87	...	3351	3521	...	...	...	342
351	Industrial chemicals ... c/	114	116	119	122	...	5906	6172	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	..	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[11	11	11	10]	...	[589	596]	...	...	...	353
354	Petroleum,coal products.					...			...	...	...	354
355	Rubber products ..... c/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. c/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	[				...	[		...	...	...	361
362	Glass and products	33	33	34	35]	...	1394	1437]	...	...	...	362
369	Non-metal products n.e.c					...			...	...	...	369
371	Iron and steel	[34	34	34	33]	...	[1657	1700]	...	...	...	371
372	Non-ferrous metals					...			...	...	...	372
381	Metal products	85	85	87	91	...	3352	3431	...	...	...	381
382	Machinery n.e.c.	83	84	85	88	...	3870	3988	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	104	105	103	100	...	4999	5197	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	63	62	61	63	...	2724	2738	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	1088	1183	...	...	...	3843
385	Professional goods	[17	17	17	17]	...	[745	743]	...	...	...	385
390	Other industries					...			...	...	...	390
3	Manufacturing	865	872	879	894	...	38561	39799	...	...	...	3
410	Electricity,gas,steam ..	38	38	...	...	...	1652	1703	...	...	...	410
4101	Electricity	27	27	...	...	...	1239	1279	...	...	...	4101
420	Water works and supply .	8	8	...	...	...	280	286	...	...	...	420
4	Electricity,gas etc	46	46	46	46	...	1932	1989	...	...	...	4
2-4	All industry	921	928	935	950	...	41107	42417	...	...	...	2-4

a/ Including homeworkers.
b/ Including payments to homeworkers.
c/ Major groups 210, 352, 355 and 356 are included in 351.

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES a/ (MILLION GUILDERS)					6. QUANTITY OF ELECTRICITY CONSUMED (MILLION KWH)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	b/	b/	...	...	...	-	-	-	...	...	210
220	Petroleum and gas	185	189	...	...	...	131	131	116	...	...	220
230	Metal ore mining	-	-	...	...	...	-	-	-	...	...	230
290	Other mining	42	41	...	...	...	263	420	186	...	...	290
2	Mining, quarrying	227	230	...	...	...	394	551	302	...	...	2
311/2	Food products	1628	1654	...	...	...				...	...	311/2
313	Beverages	195	194	...	...	...	3777	3836	4030	...	...	313
314	Tobacco	106	108	...	...	...				...	...	314
321	Textiles	267	289	...	...	...	410	433	523	...	...	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	99	102	...	...	...	22	24	28	...	...	322
323	Leather and products	61	64	...	...	...	26	20	31	...	...	323
324	Footwear			...	...	...				...	...	324
331	Wood products	324	334	...	...	...	208	227	218	...	...	331
332	Furniture, fixtures			...	...	...				...	...	332
341	Paper and products	309	323	...	...	...	1718	1944	2220	...	...	341
3411	Pulp,paper etc.	112	115	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	961	994	...	...	...	485	467	450	...	...	342
351	Industrial chemicals	b/ 1691	b/ 1708	...	...	...	c/ 9759	c/ 10105	c/ 10713	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	b/	b/	...	...	...	c/	c/	c/	...	...	352
3522	Drugs and medicines	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries	243	211	...	...	...	1457	1576	1660	...	...	353
354	Petroleum,coal products.			...	...	...	130	134	129	...	...	354
355	Rubber products	b/	b/	...	...	...	667	594	680	...	...	355
356	Plastic products n.e.c.	b/	b/	...	...	...	c/	c/	c/	...	...	356
361	Pottery,china etc			...	...	...				...	...	361
362	Glass and products	421	431	...	...	...	1225	1344	1399	...	...	362
369	Non-metal products n.e.c			...	...	...				...	...	369
371	Iron and steel	547	557	...	...	...	1978	1992	2020	...	...	371
372	Non-ferrous metals			...	...	...	5026	5462	5390	...	...	372
381	Metal products	926	948	...	...	...	d/	d/	d/	...	...	381
382	Machinery n.e.c.	1075	1107	...	...	...	2801	2702	3095	...	...	382
3825	Office,computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery	1237	1403	...	...	...	d/	d/	d/	...	...	383
3832	Radio,television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	779	779	...	...	...	d/	d/	d/	...	...	384
3841	Shipbuilding, repair	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	309	333	...	...	...	...	...	...	...	...	3843
385	Professional goods	210	208	...	...	...	d/	d/	d/	...	...	385
390	Other industries			...	...	...	76	67	66	...	...	390
3	Manufacturing	11079	11414	...	...	...	29775	30927	32655	...	...	3
410	Electricity,gas,steam	629	635	...	...	...	e/ 2202	e/ 1888	e/ 2025	...	...	410
4101	Electricity	473	478	...	...	...	2195	1877	2015	...	...	4101
420	Water works and supply	114	107	...	...	...	430	511	431	...	...	420
4	Electricity,gas etc	743	742	...	...	...	e/ 2632	e/ 2399	e/ 2456	...	...	4
2-4	All industry	12049	12386	...	...	...	e/ 32801	e/ 33877	e/ 35413	...	...	2-4

a/ Including payments in respect of homeworkers.
b/ Major groups 210, 352, 355 and 356 are included in 351.
c/ Major groups 352 and 356 are included in 351.
d/ Major groups 383 to 385 are included in 381 and 382 combined.
e/ Excluding establishments engaged in the distribution of gas.

NETHERLANDS

ISIC	INDUSTRY	7. OUTPUT IN FACTOR VALUES a/b/ (BILLION GUILDERS) 1986	1987	1988	1989	1990	8. VALUE ADDED IN FACTOR VALUES c/ (BILLION GUILDERS) 1986	1987	1988	1989	1990	ISIC
210	Coal mining ..... d/	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	25.52	16.96	...	...	...	22.53	14.75	...	...	...	220
230	Metal ore mining	-	-	...	...	...	-	-	...	...	...	230
290	Other mining	1.62	1.64	...	...	...	0.95	0.93	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	65.78	62.11	...	...	...	12.90	13.06	...	...	...	311/2
313	Beverages	4.03	3.95	...	...	...	1.78	1.79	...	...	...	313
314	Tobacco	2.91	2.99	...	...	...	1.10	1.20	...	...	...	314
321	Textiles	6.05	6.01	...	...	...	1.74	1.76	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	2.52	2.32	...	...	...	0.69	0.65	...	...	...	322
323	Leather and products ...	[1.07	1.03]	...	...	...	[0.40	0.41]	...	...	...	323
324	Footwear			...	...	...			...	...	...	324
331	Wood products	[5.10	5.44]	...	...	...	[1.93	2.10]	...	...	...	331
332	Furniture, fixtures			...	...	...			...	...	...	332
341	Paper and products	7.12	7.12	...	...	...	2.38	2.39	...	...	...	341
3411	Pulp,paper etc.	2.92	2.94	...	...	...	1.10	1.06	...	...	...	3411
342	Printing,publishing	14.63	15.12	...	...	...	6.28	6.57	...	...	...	342
351	Industrial chemicals ... d/	43.40	44.45	...	...	...	13.35	13.87	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	.	...	...	...	...	...	...	...	...	3513
352	Other chemical products d			.	.	...	...	...	...	...	...	352
3522	Drugs and medicines .		.	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[18.38	17.45]	...	...	...	[3.06	3.50]	...	...	...	353
354	Petroleum,coal products.			...	...	...			...	...	...	354
355	Rubber products ..... d/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n e.c.. d/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	[	]	...	...	...	[	]	...	...	...	361
362	Glass and products	6.68	6.72	...	...	...	3.03	3.13	...	...	...	362
369	Non-metal products n.e.c			...	...	...			...	...	...	369
371	Iron and steel	[10.01	9.29]	...	...	...	[3.69	3.57]	...	...	...	371
372	Non-ferrous metals			...	...	...			...	...	...	372
381	Metal products	14.80	15.18	...	...	...	6.38	6.87	...	...	...	381
382	Machinery n.e.c.	15.94	16.30	...	...	...	6.42	6.91	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	23.86	22.27	...	...	...	10.28	9.48	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	14.57	14.36	...	...	...	4.34	4.44	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	6.55	7.40	...	...	...	1.63	1.86	...	...	...	3843
385	Professional goods	[4.01	3.93]	...	...	...	[1.65	1.59]	...	...	...	385
390	Other industries			...	...	...			...	...	...	390
3	Manufacturing ..... e/	288.00	274.64	...	...	...	103.88	98.97	...	...	...	3
410	Electricity,gas,steam ..	21.91	18.30	...	...	...	7.27	6.92	...	...	...	410
4101	Electricity	10.13	9.42	...	...	...	5.35	5.27	...	...	...	4101
420	Water works and supply .	1.78	1.82	...	...	...	1.49	1.53	...	...	...	420
4	Electricity,gas etc	23.69	20.12	...	...	...	8.76	8.45	...	...	...	4
2-4	All industry	311.69	294.76	...	...	...	112.64	107.42	...	...	...	2-4

a/ In approximate basic values.
b/ Derived from input-output tables.
c/ Contributions to the gross domestic product.
d/ Major groups 210, 352, 355 and 356 are included in 351.
e/ Including mining.

ISIC	INDUSTRY	9. GROSS FIXED CAPITAL FORMATION TOTAL a/ (MILLION GUILDERS)					10. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT (MILLION GUILDERS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	...	...	-	-	-	...	...	210
220	Petroleum and gas ..... b/	1691	1316	1233	...	...	1384	1207	1055	...	...	220
230	Metal ore mining	-	-	-	...	...	-	-	-	...	...	230
290	Other mining ..... b/	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	1691	1316	1233	...	...	1384	1207	1055	...	...	2
311/2	Food products	2016	2025	2149	...	...	1630	1626	1694	...	...	311/2
313	Beverages	394	412	338	...	...	361	353	296	...	...	313
314	Tobacco	78	87	90	...	...	77	87	80	...	...	314
321	Textiles	258	234	292	...	...	217	198	235	...	...	321
3211	Spinning,weaving etc..	138	109	158	...	...	125	97	132	...	...	3211
322	Wearing apparel	30	29	38	...	...	26	22	30	...	...	322
323	Leather and products ...	15	15	14	...	...	13	10	12	...	...	323
324	Footwear	11	10	10	...	...	9	8	8	...	...	324
331	Wood products	110	132	164	...	...	72	96	117	...	...	331
332	Furniture, fixtures	51	79	101	...	...	38	52	69	...	...	332
341	Paper and products	510	1102	652	...	...	457	801	538	...	...	341
3411	Pulp,paper etc.	263	825	303	...	...	244	576	265	...	...	3411
342	Printing,publishing	697	827	1038	...	...	601	713	805	...	...	342
351	Industrial chemicals ...	2075	2398	2080	...	...	1861	2163	1662	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	618	634	802	...	...	488	481	629	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[1741	1041	1590]	...	...	[1615	998	1561]	...	...	353
354	Petroleum,coal products.				...	...				...	...	354
355	Rubber products	74	85	87	...	...	70	75	79	...	...	355
356	Plastic products n.e.c..	422	408	508	...	...	344	329	427	...	...	356
361	Pottery,china etc	120	102	99	...	...	98	88	83	...	...	361
362	Glass and products	[383	458	506]	...	...	[341	396	426]	...	...	362
369	Non-metal products n.e.c				...	...				...	...	369
371	Iron and steel	932	681	574	...	...	856	623	503	...	...	371
372	Non-ferrous metals	130	117	141	...	...	98	95	124	...	...	372
381	Metal products	606	630	744	...	...	479	492	553	...	...	381
382	Machinery n.e.c.	693	630	650	...	...	516	468	489	...	...	382
3825	Office,computing etc..	73	49	40	...	...	54	34	26	...	...	3825
383	Electrical machinery ...	1838	1973	1762	...	...	1477	1527	1521	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	694	653	588	...	...	533	505	502	...	...	384
3841	Shipbuilding, repair..	100	78	114	...	...	64	55	106	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	65	47	63	...	...	44	41	44	...	...	385
390	Other industries	29	13	36	...	...	21	20	26	...	...	390
3	Manufacturing	14590	14842	15116	...	...	12342	12267	12513	...	...	3
410	Electricity,gas,steam ..	3216	3484	3221	...	...	1988	2233	1861	...	...	410
4101	Electricity	2730	2909	2545	...	...	1868	2081	1726	...	...	4101
420	Water works and supply .	357	432	541	...	...	94	109	90	...	...	420
4	Electricity,gas,etc	3573	3916	3762	...	...	2083	2342	1951	...	...	4
2-4	All industry	19854	20074	20111	...	...	15809	15816	15519	...	...	2-4

a/ Excluding land.

b/ Major group 290 is included in 220.

NETHERLANDS

11. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas ..... b/	78	84	86	93	87	90	79	84	85	-2.0	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining ..... b/	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	78	84	86	93	87	90	79	84	86	-1.9	2
311/2	Food products	104	104	108	104	110	110	114	116	121	2.4	311/2
313	Beverages	104	101	101	103	112	110	117	126	134	3.7	313
314	Tobacco	117	117	122	133	148	150	138	148	158	5.9	314
321	Textiles	92	90	98	100	94	92	97	101	104	0.5	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	84	81	83	82	80	71	70	69	75	-3.5	322
323	Leather and products ...	120	129	134	144	124	121	120	144	144	4.7	323
324	Footwear ..... c/	91	84	71	76	74	71	63	61	59	-6.4	324
331	Wood products	78	77	75	76	78	81	85	88	90	-1.3	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	110	109	117	121	125	127	137	143	151	5.3	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... d/	93	91	94	96	98	101	106	109	115	1.8	342
351	Industrial chemicals ... e/	104	120	131	142	145	152	160	166	169	6.8	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. e/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	68	93	92	82	106	107	129	125	126	2.9	353
354	Petroleum,coal products.	79	85	103	108	117	108	126	126	126	2.9	354
355	Rubber products ..... c/	114	126	134	143	153	159	167	182	190	8.4	355
356	Plastic products n.e.c.. e/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc											361
362	Glass and products	85	87	93	96	101	99	109	113	113	1.5	362
369	Non-metal products n.e.c											369
371	Iron and steel											371
372	Non-ferrous metals	97	95	108	110	108	112	123	130	132	3.5	372
381	Metal products	93	88	93	101	101	102	107	114	121	2.4	381
382	Machinery n.e.c.	95	93	104	110	111	111	112	121	126	2.9	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	104	107	116	120	122	116	120	125	133	3.6	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	109	106	102	100	97	96	99	107	110	1.2	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	99	101	106	109	112	112	118	123	129	3.2	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	104	105	106	107	109	110	111	116	118	2.1	420
4	Electricity,gas etc	103	104	105	108	112	108	110	114	118	2.1	4
2-4	All industry	94	97	102	106	106	107	107	112	116	1.9	2-4

a/ Annual growth rate 1982-1990.
b/ Major group 290 is included in 220.
c/ Vulcanized or moulded rubber and plastic footwear is included in major group 324.
d/ Printing only.
e/ Major groups 352 and 356 are included in 351.

NETHERLANDS ANTILLES

The information in the tables is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Central Bureau of Statistics, Willemstad.

The data are derived from the first general industrial count of 1986 and the national accounts of 1985. The data cover all industrial establishments in operation during the reference year and are adjusted for non-response.

The data are generally classified according to the present version of the ISIC. The data for 1986 are available only by very broad groupings of industries. The concepts and definitions used in reporting the data are generally in accordance with the United Nations standards.

NETHERLANDS ANTILLES

ISIC	INDUSTRY		1. NUMBER OF ESTABLISHMENTS (NUMBER) 1986	1987	1988	1989	1990	2. AVERAGE NUMBER OF EMPLOYEES (NUMBER) 1986	1987	1988	1989	1990	ISIC
210	Coal mining		...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas		...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining		...	...	...	...	...	...	...	...	...	...	230
290	Other mining		...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying		5	...	...	...	...	132	...	...	...	...	2
311/2	Food products		[	...	...	...	...	[	...	...	...	...	311/2
313	Beverages		57	...	...	...	...	910	...	...	...	...	313
314	Tobacco		]	...	...	...	...	]	...	...	...	...	314
321	Textiles	a/	26	...	...	...	...	105	...	...	...	...	321
3211	Spinning,weaving etc.		...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	a/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products	a/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	a/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products		[	...	...	...	...	[	...	...	...	...	331
332	Furniture, fixtures		43	...	...	...	...	225	...	...	...	...	332
341	Paper and products	b/	] 49	...	...	...	...	] 458	...	...	...	...	341
3411	Pulp,paper etc.		...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	b/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals	c/	19	...	...	...	...	1968	...	...	...	...	351
3511	Basic excl fertilizers		...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc		...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products	c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines		...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries	c/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products	c/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	c/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.	c/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc		[	...	...	...	...	[	...	...	...	...	361
362	Glass and products		27	...	...	...	...	175	...	...	...	...	362
369	Non-metal products n.e.c		]	...	...	...	...	]	...	...	...	...	369
371	Iron and steel		[	...	...	...	...	[	...	...	...	...	371
372	Non-ferrous metals		3	...	...	...	...	12	...	...	...	...	372
381	Metal products	d/	]	...	...	...	...	]	...	...	...	...	381
382	Machinery n.e.c.		[62	...	...	...	...	[1294	...	...	...	...	382
3825	Office,computing etc.		]	...	...	...	...	]	...	...	...	...	3825
383	Electrical machinery	d/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc.		...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	d/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair		...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles		...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	d/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries		11	...	...	...	...	27	...	...	...	...	390
3	Manufacturing		297	...	...	...	...	5174	...	...	...	...	3
410	Electricity,gas,steam		...	...	...	...	...	...	...	...	...	...	410
4101	Electricity		...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply		...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc		9	...	...	...	...	933	...	...	...	...	4
2-4	All industry		311	...	...	...	...	6239	...	...	...	...	2-4

a/ Major groups 322 to 324 are included in 321.
b/ Major group 342 is included in 341.
c/ Major groups 352 to 356 are included in 351.
d/ Major groups 383 to 385 are included in 381 and 382 combined.

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES (THOUSAND GUILDERS)					4. VALUE ADDED (MILLION GUILDERS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	8541	8593	8365	...	...	14.9	15.7	13.2	...	...	2
311/2	Food products	...	...	...	...	...	...	...	...	...	...	311/2
313	Beverages	...	...	...	...	...	...	...	...	...	...	313
314	Tobacco	...	...	...	...	...	...	...	...	...	...	314
321	Textiles	...	...	...	...	...	...	...	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	...	...	...	...	...	...	...	...	...	...	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	...	...	...	...	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products	.	.	..	...	.	...	...	...	...	...	352
3522	Drugs and medicines .	..	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	...	...	...	...	...	...	...	...	...	...	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	...	...	...	...	...	...	...	...	...	...	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	100000	80100	79800	...	...	167.4	113.8	139.6	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	58400	60000	65300	...	...	91.6	103.1	127.8	...	...	4
2-4	All industry	166941	148693	153465	...	...	273.9	232.6	280.6	...	...	2-4

NETHERLANDS ANTILLES

5. GROSS FIXED CAPITAL FORMATION
TOTAL
(THOUSAND GUILDERS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	290
2	Mining, quarrying .	700	2800	22100	...	...	2
311/2	Food products	...	...	...	...	...	311/
313	Beverages	...	...	...	...	...	313
314	Tobacco	...	...	...	...	...	314
321	Textiles	...	...	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	...	...	322
323	Leather and products ...	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	324
331	Wood products	...	...	...	...	...	331
332	Furniture, fixtures	...	...	...	...	...	332
341	Paper and products	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	342
351	Industrial chemicals ...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	355
356	Plastic products n.e.c..	...	...	...	...	...	356
361	Pottery,china etc	...	..	...	...	...	361
362	Glass and products	...	...	...	...	...	362
369	Non-metal products n.e.c	...	...	...	...	...	369
371	Iron and steel	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	372
381	Metal products	...	...	...	...	...	381
382	Machinery n.e.c.	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	390
3	Manufacturing	23200	24600	20200	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	62700	66100	130000	...	...	4
2-4	All industry	86600	93500	172300	...	...	2-4

NEW ZEALAND

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Department of Statistics, Wellington. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The data shown in the tables are from different sources. Those on numbers of establishments, persons engaged and employees are taken from the annual business directory, whereas all data in value are derived from the results of the annual enterprise survey and from a quinquential census for 1989.

The reference period is twelve months beginning 1 October to 30 September ending in the year indicated except where footnoted otherwise.

The statistical unit employed in the census is the activity unit (previously known as the establishment). All operations up to the point of sale of goods or services are covered, including the activities of ancillary activity units which service, or predominantly service, the activity units.

The estimates are compiled according to the national classification which generally follows the present ISIC.

The employment figures refer to the numbers recorded at, or on the nearest pay-day to, 28 February of the following year unless otherwise footnoted. The total number of persons engaged comprises employees, working proprietors or partners, and shareholders actively engaged in the business. Wages and salaries refer to gross earnings during the reference year before taxation and other deductions, covering such items as sick and holiday pay, bonuses, benefit allowances, and payments under piece-rate schemes. Capitalized wages and salaries are included. The estimates of hours worked relate to the total hours worked, including overtime, by all employees.

The data shown for output relate to turnover, defined as the total of all sales and other income except interest, dividends, royalties, patent fees and insurance claims received, plus the value of capital work done by own employees. The estimates for electricity relate to gross revenue.

Value added is defined as the industry contribution to gross domestic product, comprising wages and salaries, employer contributions to superannuation schemes, operating surplus, depreciation and indirect taxes less subsidies.

The estimates of gross fixed capital formation represent the amount spent by establishments and ancillary units in the census on the purchases of fixed assets, less the proceeds received from sales.

Related national publications:

Censuses of Mining and Quarrying, Manufacturing and Gas (for years conducted); Enterprise Survey 1989; Business Activities; New Zealand Official Yearbook; Monthly Abstract of Statistics, all published by the Department of Statistics, Wellington.

NEW ZEALAND

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED (THOUSANDS)					ISIC
		b/ 1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	65	71	69	75	70	2.04	1.14	1.03	0.94	0.95	210
220	Petroleum and gas	57	65	71	69	76	0.69	0.76	0.74	0.67	0.80	220
230	Metal ore mining	123	151	164	149	139	0.66	0.66	0.73	0.73	0.62	230
290	Other mining	368	364	334	407	345	2.28	2.06	2.07	1.84	1.88	290
2	Mining, quarrying .	613	651	638	700	630	5.67	4.62	4.57	4.18	4.25	2
311/2	Food products	1847	1838	1886	1896	1949	68.75	62.40	63.94	59.54	57.14	311/2
313	Beverages	156	152	154	143	155	3.79	3.37	3.22	3.06	3.13	313
314	Tobacco	11	7	7	9	6	0.82	0.69	0.74	0.65	0.61	314
321	Textiles	807	829	834	817	805	13.99	13.00	11.91	12.00	10.21	321
3211	Spinning,weaving etc..	156	153	159	152	139	4.51	3.87	3.74	3.41	2.89	3211
322	Wearing apparel	1237	1254	1187	1157	1169	19.56	17.90	15.47	14.70	13.52	322
323	Leather and products ...	255	246	232	213	218	3.62	3.07	2.86	2.62	2.59	323
324	Footwear	127	120	113	109	104	3.68	3.00	2.22	2.36	2.09	324
331	Wood products	1686	1696	1666	1659	1732	17.91	16.68	14.91	14.84	14.54	331
332	Furniture, fixtures	1325	1381	1355	1321	1361	8.65	8.09	7.44	7.75	7.18	332
341	Paper and products	189	209	188	172	173	10.64	10.69	9.09	8.59	9.73	341
3411	Pulp,paper etc.	31	33	31	30	31	5.82	5.72	5.16	4.40	5.03	3411
342	Printing,publishing	1222	1250	1326	1334	1397	19.28	18.72	18.40	17.30	17.38	342
351	Industrial chemicals ...	230	214	207	211	200	5.08	4.86	4.72	4.20	4.26	351
3511	Basic excl fertilizers	67	59	53	47	50	0.80	0.83	0.82	0.50	0.76	3511
3513	Synthetic resins etc .	101	96	94	94	92	2.84	2.81	2.60	2.50	2.34	3513
352	Other chemical products.	415	384	352	338	338	7.49	6.86	6.40	6.04	5.76	352
3522	Drugs and medicines ..	64	63	50	53	56	1.59	1.43	1.36	1.35	1.33	3522
353	Petroleum refineries ...	17	16	14	16	13	1.08	1.00	0.88	0.84	0.81	353
354	Petroleum,coal products.	43	40	37	34	36	0.57	0.93	0.89	0.34	0.32	354
355	Rubber products	139	124	121	123	122	3.73	2.89	2.05	2.25	2.04	355
356	Plastic products n.e.c..	454	459	452	448	456	7.77	7.57	7.39	7.88	7.28	356
361	Pottery,china etc	246	230	207	202	199	1.10	1.13	0.79	0.60	0.61	361
362	Glass and products	202	188	183	177	172	2.52	2.46	1.74	1.38	1.51	362
369	Non-metal products n.e.c	533	520	515	485	480	6.08	5.78	5.38	4.96	4.19	369
371	Iron and steel	85	89	87	86	83	3.52	3.33	3.45	3.77	3.36	371
372	Non-ferrous metals	101	112	111	104	104	3.08	3.30	3.06	3.31	3.30	372
381	Metal products	2787	2912	2669	2565	2580	27.57	26.08	23.21	22.15	20.90	381
382	Machinery n.e.c.	2718	2866	2955	2906	2932	19.17	18.99	17.84	17.48	16.47	382
3825	Office,computing etc..	127	128	135	146	162	0.79	0.89	0.61	0.77	0.86	3825
383	Electrical machinery ...	729	723	675	674	679	13.44	12.24	10.86	11.02	10.34	383
3832	Radio,television etc..	250	237	216	210	204	3.56	3.09	3.05	2.63	2.11	3832
384	Transport equipment	1068	1137	1133	1103	1074	21.38	21.29	17.71	17.07	14.64	384
3841	Shipbuilding, repair..	523	588	590	581	572	3.60	4.18	4.14	3.83	3.29	3841
3843	Motor vehicles	341	347	332	312	310	8.88	8.21	7.26	6.95	5.91	3843
385	Professional goods	106	103	103	103	102	1.31	1.40	1.26	1.27	1.01	385
390	Other industries	861	853	838	840	906	4.74	4.31	3.90	4.22	4.00	390
3	Manufacturing	19596	19952	19607	19245	...	300.32	282.03	261.73	252.18	238.92	3
410	Electricity,gas,steam ..	439	471	469	472	482	13.14	15.77	14.83	12.40	12.21	410
4101	Electricity	403	436	441	438	447	12.04	14.53	13.74	11.27	11.17	4101
420	Water works and supply .	234	236	181	195	180	1.42	1.40	1.24	1.26	1.54	420
4	Electricity,gas etc	671	707	650	667	662	14.56	17.17	16.07	13.66	13.76	4
2-4	All industry	20880	21310	20895	20612	...	320.55	303.82	282.37	270.02	256.93	2-4

a/ Twelve months beginning 1 April of the year indicated. b/ As at February of the following year.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES (MILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	a/ 1986	b/ 1987	b/ 1988	c/ 1989	1990	
210	Coal mining	1.98	1.05	0.95	0.89	0.91	52.6	37.7	40.8	38.1	...	210
220	Petroleum and gas	0.69	0.76	0.73	0.67	0.82	37.2	37.9	44.4	41.7	...	220
230	Metal ore mining	0.53	0.52	0.56	0.50	0.51	14.2	[57.3	62.3	68.0]	...	230
290	Other mining	2.10	1.83	1.77	1.66	1.74	47.7				...	290
2	Mining, quarrying ..	5.30	4.16	4.01	3.72	3.98	151.6	132.9	147.5	147.8	...	2
311/2	Food products	66.74	60.20	59.88	59.64	57.19	1469.4	1548.8	1427.5	1521.1	...	311/2
313	Beverages	3.65	3.20	3.02	3.04	3.12	[115.9	130.7	129.0	127.8]	...	313
314	Tobacco	0.82	0.69	0.74	0.65	0.62					...	314
321	Textiles	13.05	11.85	10.74	11.58	9.65	298.3	258.3	255.4	246.1	...	321
3211	Spinning,weaving etc..	4.37	3.70	3.55	3.37	2.85	100.4	...	...	...	...	3211
322	Wearing apparel	17.98	16.08	13.64	13.90	12.65	265.1	[			...	322
323	Leather and products ...	3.33	2.73	2.56	2.48	2.43	56.6	396.4	368.0	349.4]	...	323
324	Footwear	3.55	2.83	2.05	2.30	2.06	57.7				...	324
331	Wood products	15.89	14.36	12.36	13.07	12.69	324.7	[481.8	481.4	450.4]	...	331
332	Furniture, fixtures	6.85	6.01	5.20	6.09	5.44	122.3				...	332
341	Paper and products	10.49	10.51	9.08	8.59	9.42	322.6	401.3	325.1	348.7	...	341
3411	Pulp,paper etc.	5.80	5.70	5.14	4.40	5.05	197.5	255.6	213.4	220.7	...	3411
342	Printing,publishing	17.29	16.77	16.32	16.63	1.40	448.1	525.1	521.8	526.1	...	342
351	Industrial chemicals ...	4.90	4.68	4.49	4.10	4.17	119.6	141.0	138.6	155.8	...	351
3511	Basic excl fertilizers	0.74	0.78	0.77	0.47	0.74	17.7	29.1	29.8	32.6	...	3511
3513	Synthetic resins etc .	2.76	2.73	2.47	2.44	2.30	62.6	70.9	71.8	80.3	...	3513
352	Other chemical products.	7.25	6.54	6.08	6.00	5.73	164.6	176.0	176.6	177.3	...	352
3522	Drugs and medicines ..	1.55	1.37	1.32	1.35	1.37	34.7	...	...	...	...	3522
353	Petroleum refineries ...	1.07	0.99	0.88	0.84	0.81	39.9	46.0	42.3	39.0	...	353
354	Petroleum,coal products.	0.56	0.92	0.87	0.33	0.31	11.2	11.1	9.6	8.7	...	354
355	Rubber products	3.32	2.79	1.95	2.19	1.96	85.7	89.9	73.4	71.9	...	355
356	Plastic products n.e.c..	7.26	6.98	6.78	7.54	6.93	161.5	169.4	165.6	194.0	...	356
361	Pottery,china etc	0.75	0.78	0.47	0.30	0.33	16.3	[			...	361
362	Glass and products	2.25	2.19	1.47	1.18	1.31	56.3	204.3	197.3	191.2]	...	362
369	Non-metal products n.e.c	5.66	5.30	4.87	4.68	3.91	139.6				...	369
371	Iron and steel	3.45	3.23	3.34	3.77	3.39	111.9	[223.4	247.9	255.7]	...	371
372	Non-ferrous metals	2.98	3.19	2.92	3.23	3.21	96.7				...	372
381	Metal products	24.31	22.78	19.54	19.33	18.01	503.2	502.3	497.9	506.6	...	381
382	Machinery n.e.c.	15.92	15.42	13.34	13.92	12.88	365.3	328.2	354.2	333.2	...	382
3825	Office,computing etc..	0.67	0.74	0.44	0.62	0.70	12.8	...	...	...	...	3825
383	Electrical machinery ...	12.57	11.29	9.98	10.41	9.71	281.0	280.7	242.5	265.7	...	383
3832	Radio,television etc..	3.27	2.78	2.78	2.44	1.92	77.0	...	...	...	...	3832
384	Transport equipment	20.15	19.81	16.25	15.98	13.58	436.6	390.4	355.1	369.1	...	384
3841	Shipbuilding, repair..	2.89	3.32	3.30	3.12	2.60	73.3	...	...	...	...	3841
3843	Motor vehicles	8.47	7.72	6.80	6.66	5.63	159.6	...	...	...	...	3843
385	Professional goods	1.20	1.26	1.09	1.20	0.91	23.7	26.5	24.9	24.6	...	385
390	Other industries	3.61	3.02	2.71	3.28	2.99	58.6	72.1	73.2	71.8	...	390
3	Manufacturing	...	...	...	...	...	6152.4	6403.7	6107.3	6234.2	...	3
410	Electricity,gas,steam ..	13.12	15.77	14.78	12.40	12.36	d/ 27.9	d/ 29.9	454.2	421.1	...	410
4101	Electricity	12.03	14.53	13.69	11.27	11.29	...	...	...	...	...	4101
420	Water works and supply .	1.41	1.39	1.22	1.26	1.55	...	...	...	...	...	420
4	Electricity,gas etc	14.53	17.17	16.00	13.66	13.90	d/ 27.9	d/ 29.9	454.2	421.1	...	4
2-4	All industry	...	...	...	...	...	...	...	6709.0	6803.2	...	2-4

a/ Data derived from quinquennial Economy Wide Census covering the period from 1 October 1986 to 30 September 1987.
b/ Data derived from annual enterprise survey covering twelve months beginning 1 October of the year indicated.
c/ Twelve months beginning 1 April of the year indicated. d/ Gas only.

NEW ZEALAND

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES (MILLION DOLLARS)					6. OUTPUT a/ (MILLION DOLLARS)					ISIC
		b/ 1986	c/ 1987	c/ 1988	d/ 1989	1990	b/ 1986	c/ 1987	c/ 1988	d/ 1989	1990	
210	Coal mining	2.7	3.4	3.6	1.6	...	153	162	169	181	...	210
220	Petroleum and gas	3.5	3.8	2.0	...	...	910	995	1031	906	...	220
230	Metal ore mining	0.8	3.3	3.9	3.7	...	107	309	316	434	...	230
290	Other mining	1.5				...	253				...	290
2	Mining, quarrying .	8.5	10.6	9.4	...	...	1423	1465	1515	1522	...	2
311/2	Food products	42.1	80.4	78.4	74.7	...	8314	9728	10374	11284	...	311/2
313	Beverages	1.5	6.6	5.0	6.0	...	1062	1140	1177	1267	...	313
314	Tobacco					...					...	314
321	Textiles	4.7	11.2	11.5	8.7	...	1550	1587	1588	1468	...	321
3211	Spinning,weaving etc..	2.4	...	...	...	...	715	...	...	...	...	3211
322	Wearing apparel	2.7	11.6	10.1	9.8	...	903	1663	1566	1464	...	322
323	Leather and products ...	1.1				...	391				...	323
324	Footwear	0.9				...	207				...	324
331	Wood products	6.3	26.4	22.1	17.1	...	1596	2307	2224	2312	...	331
332	Furniture, fixtures	1.9				...	569				...	332
341	Paper and products	3.9	21.0	18.3	5.0	...	2002	2405	2358	2514	...	341
3411	Pulp,paper etc.	2.5	15.3	13.7	...	...	1234	1419	1454	1589	...	3411
342	Printing,publishing	4.3	19.6	17.8	17.9	...	1631	1930	1871	1991	...	342
351	Industrial chemicals ...	2.0	8.8	8.2	4.1	...	1060	1111	1177	1331	...	351
3511	Basic excl fertilizers	0.3	1.7	1.2	1.3	...	197	253	287	259	...	3511
3513	Synthetic resins etc .	0.8	4.2	4.0	...	...	424	460	440	539	...	3513
352	Other chemical products.	1.9	8.6	7.1	...	...	1149	1218	1294	1254	...	352
3522	Drugs and medicines ..	0.5	...	...	...	...	249	...	...	...	...	3522
353	Petroleum refineries ...	0.3	1.6	1.4	...	...	690	589	566	671	...	353
354	Petroleum,coal products.	0.2	0.6	0.3	0.4	...	90	90	82	73	...	354
355	Rubber products	3.0	6.6	7.4	4.9	...	375	360	358	336	...	355
356	Plastic products n.e.c..	2.2	6.6	6.5	7.0	...	832	923	939	1114	...	356
361	Pottery,china etc	0.3	12.1	12.4	11.2	...	58	1132	1132	1136	...	361
362	Glass and products	1.0				...	244				...	362
369	Non-metal products n.e.c	4.1				...	958				...	369
371	Iron and steel	2.0	14.8	16.6	...	...	586	1316	1361	1478	...	371
372	Non-ferrous metals	1.0			...	...	720				...	372
381	Metal products	9.0	23.1	26.1	19.1	...	2561	2492	2562	2606	...	381
382	Machinery n.e.c.	6.4	16.5	18.1	13.4	...	1665	1609	1754	1656	...	382
3825	Office,computing etc..	0.2	...	...	...	...	97	...	...	...	...	3825
383	Electrical machinery ...	3.2	12.1	9.4	10.3	...	1662	1598	1285	1392	...	383
3832	Radio,television etc..	0.7	...	...	...	...	497	...	...	...	...	3832
384	Transport equipment	6.5	16.1	17.5	...	...	2139	2200	1963	2474	...	384
3841	Shipbuilding, repair..	1.1	...	...	...	...	271	...	...	...	...	3841
3843	Motor vehicles	2.6	...	...	...	...	1381	...	...	...	...	3843
385	Professional goods	0.3	1.1	0.9	0.9	...	127	127	128	128	...	385
390	Other industries	0.8	3.5	3.4	2.7	...	362	389	400	394	...	390
3	Manufacturing	113.4	309.0	298.4	273.1	...	33504	35913	36159	38345	...	3
410	Electricity,gas,steam ..	e/ 1.5	e/ 1.9	30.4	10.7	...	e/ 350	e/ 389	3903	4662	...	410
4101	Electricity	...	...	28.5	...	...	...	...	3669	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	e/ 1.5	e/ 1.9	30.4	10.7	...	e/ 350	e/ 389	3903	4662	...	4
2-4	All industry	...	...	338.2	290.6	...	...	...	41577	44529	...	2-4

a/ For valuation, see country note.
b/ Data derived from quinquennial Economy Wide Census covering the period from 1 October 1986 to 30 September 1987.
c/ Data derived from annual enterprise survey covering twelve months beginning 1 October of the year indicated.
d/ Twelve months beginning 1 April of the year indicated. e/ Gas only.

ISIC	INDUSTRY	7. VALUE ADDED IN PRODUCERS' PRICES a/ (MILLION DOLLARS) b/ 1986	c/ 1987	c/ 1988	d/ 1989	1990	8. GROSS FIXED CAPITAL FORMATION TOTAL (MILLION DOLLARS) b/ 1986	c/ 1987	c/ 1988	d/ 1989	1990	ISIC
210	Coal mining	69	73	75	87	...	74.6	54.1	5.4	10.9	...	210
220	Petroleum and gas	427	536	516	586	...	-305.6	198.9	85.0	69.0	...	220
230	Metal ore mining	40	111	98	115	...	4.6	35.1	43.5	67.5	...	230
290	Other mining	111				...	22.4				...	290
2	Mining, quarrying .	647	720	690	788	...	-204.0	288.1	133.8	147.4	...	2
311/2	Food products	2300	2495	2507	2641	...	317.9	501.7	355.4	683.6	...	311/2
313	Beverages	309	368	412	402	...	85.5	78.3	81.4	42.6	...	313
314	Tobacco					...					...	314
321	Textiles	469	388	407	400	...	29.4	33.7	31.5	37.6	...	321
3211	Spinning,weaving etc..	187	...	...	...	...	9.3	...	...	...	...	3211
322	Wearing apparel	377	595	564	532	...	19.6	31.1	28.3	24.6	...	322
323	Leather and products ...	101				...	7.9				...	323
324	Footwear	76				...	2.8				...	324
331	Wood products	535	720	733	760	...	50.3	70.8	90.2	86.6	...	331
332	Furniture, fixtures	207				...	11.7				...	332
341	Paper and products	544	732	723	806	...	126.0	291.1	177.6	158.0	...	341
3411	Pulp,paper etc.	318	479	506	548	...	97.1	263.8	152.8	142.1	...	3411
342	Printing,publishing	762	877	834	900	...	121.0	132.2	93.1	120.4	...	342
351	Industrial chemicals ...	241	316	363	376	...	-8.3	38.0	58.6	66.3	...	351
3511	Basic excl fertilizers	38	95	122	83	...	-8.6	12.0	9.5	33.3	...	3511
3513	Synthetic resins etc .	127	135	143	167	...	11.4	20.4	29.7	21.6	...	3513
352	Other chemical products.	304	326	318	316	...	29.9	30.2	21.6	29.5	...	352
3522	Drugs and medicines ..	62	...	...	...	...	2.1	...	...	...	...	3522
353	Petroleum refineries ...	492	425	408	536	...	1415.9	15.3	11.0	18.7	...	353
354	Petroleum,coal products.	21	20	20	21	...	1.9	2.8	0.7	3.8	...	354
355	Rubber products	142	115	106	102	...	14.6	3.4	7.4	5.5	...	355
356	Plastic products n.e.c..	311	317	316	380	...	60.5	87.2	65.1	46.1	...	356
361	Pottery,china etc	28	391	419	430	...	1.2	32.2	75.6	51.8	...	361
362	Glass and products	104				...	11.0				...	362
369	Non-metal products n.e.c	297				...	37.9				...	369
371	Iron and steel	83	511	385	480	...	317.3	169.4	93.4	38.5	...	371
372	Non-ferrous metals	256				...	16.5				...	372
381	Metal products	839	797	795	882	...	83.3	71.2	32.1	25.7	...	381
382	Machinery n.e.c.	569	567	607	573	...	94.5	48.2	35.9	37.6	...	382
3825	Office,computing etc..	29	...	...	...	...	0.2	...	...	...	...	3825
383	Electrical machinery ...	487	445	406	437	...	43.2	37.6	32.9	51.2	...	383
3832	Radio,television etc..	115	...	...	...	...	10.8	...	...	...	...	3832
384	Transport equipment	611	509	504	589	...	53.9	135.6	58.9	76.9	...	384
3841	Shipbuilding, repair..	106	...	...	...	...	6.6	...	...	...	...	3841
3843	Motor vehicles	235	...	...	...	...	48.2	...	...	...	...	3843
385	Professional goods	39	43	40	41	...	1.3	1.2	3.8	2.1	...	385
390	Other industries	117	135	148	145	...	14.1	8.3	17.2	6.0	...	390
3	Manufacturing	10623	11092	11015	11748	...	2961.2	1819.5	1371.7	1613.0	...	3
410	Electricity,gas,steam ..	e/ 104	e/ 124	1694	2002	...	e/ 39.4	e/ 12.0	533.1	374.3	...	410
4101	Electricity	...	...	1556	...	...	...	...	518.9	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	e/ 104	e/ 124	1694	2002	...	e/ 39.4	e/ 12.0	533.1	374.3	...	4
2-4	All industry	...	...	13399	14537	...	...	...	2038.6	2134.7	...	2-4

a/ For valuation, see country note.
b/ Data derived from quinquennial Economy Wide Census covering the period from 1 October 1986 to 30 September 1987.
c/ Data derived from annual enterprise survey covering twelve months beginning 1 October of the year indicated.
d/ Twelve months beginning 1 April of the year indicated. e/ Gas only.

NEW ZEALAND

ISIC	INDUSTRY	9. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT (MILLION DOLLARS) a/ 1986	b/ 1987	b/ 1988	c/ 1989	1990	10. VALUE OF STOCKS AT END OF PERIOD TOTAL (MILLION DOLLARS) a/ 1986	b/ 1987	b/ 1988	c/ 1989	1990	ISIC
210	Coal mining	25.0	31.7	3.0	8.8	...	32.6	6.1	10.2	14.5	...	210
220	Petroleum and gas	88.1	155.7	25.2	...	...	41.7	43.8	43.7	42.1	...	220
230	Metal ore mining	3.8	[51.8	15.9	42.9]	...	5.6	[19.1	28.4	33.7]	...	230
290	Other mining	15.9				...	16.7				...	290
2	Mining, quarrying .	132.9	239.2	44.1	...	...	96.6	69.0	82.3	90.3	...	2
311/2	Food products	228.7	309.0	183.5	449.8	...	857.3	772.5	778.5	1098.9	...	311/2
313	Beverages	[57.4	71.4	23.6	29.4]	...	[213.3	228.2	239.5	247.6]	...	313
314	Tobacco					...					...	314
321	Textiles	20.3	27.7	15.9	25.0	...	243.7	250.5	252.6	258.4	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	3.6	[			...	144.0	[			...	322
323	Leather and products ...	4.5	15.9	15.0	22.2	...	71.1	281.7	276.8	251.0	...	323
324	Footwear	1.5	]		]	...	39.7	]		]	...	324
331	Wood products	25.5	[42.4	53.7	62.4]	...	299.6	[332.3	354.0	326.8]	...	331
332	Furniture, fixtures	4.5				...	67.3				...	332
341	Paper and products	107.9	263.8	167.2	149.9	...	242.1	292.2	260.6	277.8	...	341
3411	Pulp,paper etc.	...	239.7	146.6	138.3	...	...	147.6	149.6	158.8	...	3411
342	Printing,publishing	67.4	69.3	57.7	88.7	...	162.9	222.0	180.5	184.5	...	342
351	Industrial chemicals ...	-10.8	11.1	31.2	...	...	211.2	239.6	241.4	290.7	...	351
3511	Basic excl fertilizers	...	2.3	4.0	...	...	...	27.8	31.3	30.0	...	3511
3513	Synthetic resins etc .	...	9.3	23.6	18.5	...	...	84.0	82.9	96.9	...	3513
352	Other chemical products.	12.8	11.6	12.1	20.1	...	257.4	256.3	250.3	244.3	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	299.2	14.2	1.5	18.4	...	46.9	76.9	55.2	45.4	...	353
354	Petroleum,coal products.	0.2	2.3	0.8	3.1	...	9.4	23.7	24.0	9.7	...	354
355	Rubber products	12.5	2.3	4.7	4.3	...	51.0	43.4	44.0	48.4	...	355
356	Plastic products n.e.c..	48.7	80.4	52.7	36.5	...	128.7	160.0	152.3	153.9	...	356
361	Pottery,china etc	-	[			...	10.1	[			...	361
362	Glass and products	7.4	28.2	50.9	37.4	...	48.1	120.2	103.5	116.0	...	362
369	Non-metal products n.e.c	25.0	]		]	...	94.6	]		]	...	369
371	Iron and steel	16.7	[126.7	72.0	12.0]	...	132.6	[300.1	305.8	355.3]	...	371
372	Non-ferrous metals	13.7				...	89.9				...	372
381	Metal products	37.4	34.7	11.1	14.5	...	393.8	363.3	348.2	373.8	...	381
382	Machinery n.e.c.	73.8	21.6	16.1	23.6	...	258.7	254.0	244.0	278.9	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	30.6	26.3	17.6	30.0	...	311.3	291.5	240.9	250.2	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	41.2	71.3	26.2	60.9	...	468.0	536.5	420.4	600.3	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	-0.5	0.3	0.9	1.1	...	28.5	26.3	28.9	27.2	...	385
390	Other industries	4.7	2.3	12.0	2.3	...	61.7	74.5	71.3	68.2	...	390
3	Manufacturing	1133.9	1232.9	826.2	...	...	4942.5	5145.8	4872.7	5507.4	...	3
410	Electricity,gas,steam ..	d/ 1.1	d/ 1.2	37.1	15.1	...	d/ 8.7	d/ 8.7	238.1	232.6	...	410
4101	Electricity	...	...	36.0	...	...	...	...	231.2	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	d/ 1.1	d/ 1.2	37.1	15.1	...	d/ 8.7	d/ 8.7	238.1	232.6	...	4
2-4	All industry	...	...	907.4	1270.2	...	...	...	5193.1	5830.3	...	2-4

a/ Data derived from quinquennial Economy Wide Census covering the period from 1 October 1986 to 30 September 1987.
b/ Data derived from annual enterprise survey covering twelve months beginning 1 October of the year indicated.
c/ Twelve months beginning 1 April of the year indicated. d/ Gas only.

NORWAY

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Central Bureau of Statistics, Oslo. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates are derived from the annual statistics inquiry and the annual electricity statistics inquiry. Complete annual reports are collected from all large establishments. From small establishments only reports on persons engaged and sales etc. are collected. The definition of a large establishment differs slightly according to industries: in general, large establishments are those with at least 5 persons engaged. All establishments are covered for coal mining, crude petroleum and natural gas production, metal mining, manufacture of dairy products (except ice cream), margarine, fish oils and fish meal, tobacco products, petroleum refining and manufacture of oil and gas well machinery and tools. The estimates for mining and manufacturing shown in the tables generally relate to large establishments defined in this way; in 1989 these accounted for 95 per cent of the total number of persons engaged and 98 per cent of the total value added in all establishments surveyed. The electricity statistics inquiry covers public supply plants with an installed generating capacity of 100 kW or more and, in the case of those producing for their own use, electricity plants with an installed capacity of 500 kW; all gas undertakings are covered. Steam and water supply are not surveyed.

The estimates are based on the national classification which corresponds very closely to the present version of ISIC. It should be noted that in the figures shown, manufacture of motorcycles and bicycles (ISIC 3844) is included in ISIC 3843.

The number of persons engaged represents the average during the year of employees, working proprietors and unpaid family workers. Homeworkers are not included.

Wages and salaries comprise all payments, whether in cash or in kind, made by the employer for work done to all persons included in the count of employees and to employed homeworkers. Included are bonuses, production awards, holiday allowances, wages and salaries paid during periods of sickness, military leave or other absence, and commissions earned by salesmen and representatives. The estimates of supplements to wages and salaries comprise all supplemental labour costs payable by the employer, both obligatory under law and voluntary.

The concept of output for mining and manufacturing relates to the gross value of production comprising (a) the sales value of goods produced on own account, adjusted for changes in work in progress between the beginning and end of the year, (b) receipts for repair work, (c) receipts for mounting or installation of own products, (d) receipts for contract work, (e) the gross profit on goods sold in the same condition as received, (f) receipts for other work (commissions, consulting services, canteen sales, transport services rendered to others etc.), (g) receipts from renting of machinery and buildings and (h) the value of investment and repair work executed by the employees of the stablishment. Indirect taxes, other than the value-added tax, are included and subsidies are excluded. The sales value of production on own account is stated at ex-factory prices, including the value of packing materials and any price additions for distribution with the establishments' own labour and equipment.

Value added for mining and manufacturing is the value of output as defined above, less the cost of raw materials and certain other inputs, excluding value-added tax. The inputs deducted include (a) raw and auxiliary materials and components used as direct input in the manufacturing process, (b) fuels and electricity consumed, (c) consumption of purchased ready-made containers and packaging material, as well as raw materials for the manufacture thereof, (d) other inputs consumed during the year (operating supplies, materials for own-account investment, repair and maintenance work, office supplies, foods for company operated canteens etc.), (e) cost of repair work done by others, (f) cost of contract work done by others (including payments to homeworkers not employed by the establishment), (g) rental outlays, (h) other working expenses (advertising, telephone charges, postal expenses, subsistence allowances etc.), (i) cost of own-account repair work, (j) investment levy not already included in any of the above-mentioned items.

The estimates for electricity and gas are similarly compiled. For electricity, the following definitions describe the concepts. Gross output - the sum of (a) sales of electric power to own establishments, to other consumers (both firm and occasional power), and to other electricity plants, (b) exports, (c) transit and transformer income, (d) receipts for mounting, installation and repair work, (e) value of own-account investment and repair work and (f) receipts from renting of buildings, plant, machinery etc. Intermediate consumption - the sum of (a) electric energy purchased from other electricity plants, (b) imports, (c) transmission expenditure, (d) value of own-account repair work, (e) cost of fuel, lubricating oil, grease etc. and other materials consumed, (g) cost of repair work, (h) renting of buildings, plant, machinery etc. and (i) working expenses. Value added is equal to the value of gross output less intermediate consumption. Data are compiled exclusive of the value-added tax.

Gross fixed capital formation is calculated as the value of the acquisition of new and used fixed assets, including own-account investment work. The value of sales is deducted for the total estimates. The value is stated at actual costs incurred during the year, irrespective of time of payment. The investment levy is included. Fixed capital formation in new establishments not yet in operation and progress payments are included.

The estimates of total value of stocks comprise stocks of materials, fuels and supplies valued at purchase prices, work in progress valued at cost price, and stocks of finished goods and goods for resale in the same condition as received valued at sales prices. The value-added tax is excluded in each category. The figures include stocks of unsold goods located abroad.

The indices of industrial production are compiled by the Central Bureau of Statistics and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover all establishments, irrespective of size.

Related national publications:

Industristatistikk (annual); Elektrisitetsstatistikk (annual); all published by the Central Bureau of Statistics, Oslo.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	1	1	1	1	1	0.8	0.7	0.6	0.4	0.4	210
220	Petroleum and gas	12	12	15	15	20	13.5	13.8	14.1	14.8	14.8	220
230	Metal ore mining	14	12	9	9	10	3.0	2.7	2.3	2.1	2.0	230
290	Other mining	187	161	156	169	157	2.7	2.7	2.5	2.6	2.3	290
2	Mining, quarrying .	214	186	181	194	188	20.1	19.8	19.5	19.9	19.5	2
311/2	Food products	1512	1470	1391	1388	1372	48.1	48.0	46.4	45.1	44.2	311/2
313	Beverages	48	46	44	43	[47]	4.4	4.7	4.6	4.6	[5.0]	313
314	Tobacco	4	4	3	2		1.0	1.0	0.9	0.6		314
321	Textiles	219	229	222	206	203	8.0	7.9	7.0	6.1	5.8	321
3211	Spinning,weaving etc..	42	43	39	35	36	2.5	2.3	2.0	1.7	1.6	3211
322	Wearing apparel	137	130	110	98	86	4.3	3.7	2.8	2.3	2.1	322
323	Leather and products ...	28	27	26	27	23	0.7	0.6	0.6	0.5	0.5	323
324	Footwear	22	19	17	14	15	0.6	0.6	0.5	0.4	0.4	324
331	Wood products	710	687	656	634	607	17.7	18.2	17.4	16.0	15.3	331
332	Furniture, fixtures	252	249	245	244	247	8.4	8.3	7.8	7.2	6.8	332
341	Paper and products	109	106	104	101	103	13.3	13.0	12.3	11.9	11.8	341
3411	Pulp,paper etc.	52	49	46	45	45	9.4	9.0	8.3	8.3	8.2	3411
342	Printing,publishing	837	871	862	871	861	33.1	34.2	32.6	32.5	32.5	342
351	Industrial chemicals ...	57	47	46	48	47	9.1	8.9	8.0	8.5	8.3	351
3511	Basic excl fertilizers	42	32	32	35	34	3.7	3.6	3.4	3.7	3.7	3511
3513	Synthetic resins etc .	11	11	11	10	10	1.8	2.0	1.8	1.7	1.7	3513
352	Other chemical products.	92	82	75	78	75	6.0	6.0	5.8	5.6	5.5	352
3522	Drugs and medicines ..	12	11	14	14	15	1.6	1.8	1.8	1.9	2.0	3522
353	Petroleum refineries ...	3	3	3	3	3	0.9	1.0	1.2	1.2	1.2	353
354	Petroleum,coal products.	42	39	29	29	26	1.6	1.6	1.3	0.9	0.8	354
355	Rubber products	31	26	25	25	27	1.5	1.5	1.4	1.3	1.2	355
356	Plastic products n.e.c..	207	208	204	203	207	6.6	6.7	6.2	5.7	5.7	356
361	Pottery,china etc	6	6	7	7	7	1.1	1.0	1.0	0.8	0.8	361
362	Glass and products	35	35	36	33	32	2.0	2.0	1.9	1.6	1.5	362
369	Non-metal products n.e.c	288	266	251	246	252	7.5	7.7	7.3	6.4	6.1	369
371	Iron and steel	46	45	43	42	40	10.5	9.9	9.2	7.6	7.4	371
372	Non-ferrous metals	41	40	41	40	41	12.9	12.9	12.3	11.2	10.4	372
381	Metal products	793	829	801	793	836	25.3	25.3	24.1	21.5	21.3	381
382	Machinery n.e.c.	604	591	522	510	516	40.6	41.0	35.9	33.8	33.0	382
3825	Office,computing etc..	17	17	18	16	16	2.9	3.3	3.2	2.8	2.0	3825
383	Electrical machinery ...	265	266	273	267	281	21.9	20.8	19.0	16.4	16.3	383
3832	Radio,television etc..	95	95	95	91	92	10.1	9.4	8.4	6.7	6.4	3832
384	Transport equipment	473	478	440	420	423	25.4	24.6	22.7	22.7	23.8	384
3841	Shipbuilding, repair..	347	348	315	300	307	16.1	15.2	13.7	13.4	14.9	3841
3843	Motor vehicles ..... b/	90	91	87	83	84	4.0	4.1	3.9	3.7	3.6	3843
385	Professional goods	39	43	47	51	57	1.4	1.6	1.6	1.6	1.6	385
390	Other industries	88	87	88	83	85	2.5	2.6	2.4	2.3	2.5	390
3	Manufacturing	6983	6929	6611	6506	6519	316.3	315.0	294.4	276.5	271.8	3
410	Electricity,gas,steam ..	415	404	392	387	380	18.8	19.4	19.5	19.6	19.4	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	415	404	392	387	380	18.8	19.4	19.5	19.6	19.4	4
2-4	All industry	7617	7519	7184	7087	7087	355.2	354.2	333.4	316.0	310.7	2-4

a/ Mining and manufacturing: large establishments, generally with 5 or more persons engaged.
b/ Including motorcycles and bicycles.

NORWAY

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION KRONER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	0.8	0.7	0.6	0.4	0.4	133	110	95	75	79	210
220	Petroleum and gas	13.5	13.8	14.1	14.8	14.8	4518	5568	4977	5326	5530	220
230	Metal ore mining	3.0	2.7	2.3	2.1	2.0	434	403	367	372	377	230
290	Other mining	2.7	2.6	2.5	2.6	2.3	374	417	446	485	454	290
2	Mining, quarrying .	20.1	19.8	19.5	19.9	19.5	5459	6497	5885	6258	6441	2
311/2	Food products	47.6	47.5	46.4	44.8	43.9	5637	6269	6547	6764	7001	311/2
313	Beverages	4.4	4.7	4.6	4.6	[5.0]	682	767	841	[1003	1018]	313
314	Tobacco	1.0	1.0	0.9	0.6		122	145	149			314
321	Textiles	7.9	7.8	7.0	6.1	5.7	811	891	855	797	834	321
3211	Spinning,weaving etc..	2.5	2.3	2.0	1.7	1.6	263	277	256	234	243	3211
322	Wearing apparel	4.2	3.7	2.8	2.3	2.1	392	371	302	253	262	322
323	Leather and products ...	0.7	0.6	0.6	0.5	0.5	71	73	65	64	67	323
324	Footwear	0.6	0.6	0.5	0.4	0.4	58	61	57	49	51	324
331	Wood products	17.5	18.1	17.4	15.9	15.2	2140	2426	2490	2412	2417	331
332	Furniture, fixtures	8.3	8.3	7.8	7.1	6.8	990	1066	1055	995	1022	332
341	Paper and products	13.3	13.0	12.3	11.9	11.8	1865	2039	2070	2091	2203	341
3411	Pulp,paper etc.	9.4	9.0	8.3	8.3	8.2	1328	1432	1443	1477	1548	3411
342	Printing,publishing	33.0	34.1	32.6	32.5	32.4	4522	5212	5382	5457	5629	342
351	Industrial chemicals ...	9.1	8.9	8.0	8.5	8.3	1510	1622	1570	1856	1899	351
3511	Basic excl fertilizers	3.7	3.6	3.4	3.7	3.7	621	660	664	779	814	3511
3513	Synthetic resins etc .	1.8	2.0	1.8	1.7	1.7	335	380	368	421	450	3513
352	Other chemical products.	6.0	6.0	5.8	5.6	5.5	913	998	1008	1035	1075	352
3522	Drugs and medicines ..	1.6	1.8	1.8	1.9	2.0	272	326	358	388	406	3522
353	Petroleum refineries ...	0.9	1.0	1.2	1.2	1.2	187	247	291	343	334	353
354	Petroleum,coal products.	1.6	1.6	1.3	0.9	0.8	243	264	231	181	185	354
355	Rubber products	1.5	1.4	1.4	1.3	1.2	200	211	230	215	211	355
356	Plastic products n.e.c..	6.6	6.6	6.2	5.7	5.7	845	917	932	894	963	356
361	Pottery,china etc	1.1	1.0	1.0	0.8	0.8	124	126	130	118	120	361
362	Glass and products	1.9	2.0	1.9	1.6	1.5	257	292	288	256	267	362
369	Non-metal products n.e.c	7.4	7.6	7.3	6.4	6.1	1133	1258	1310	1161	1205	369
371	Iron and steel	10.5	9.9	9.2	7.6	7.4	1559	1609	1678	1486	1498	371
372	Non-ferrous metals	12.9	12.9	12.3	11.2	10.4	2033	2199	2343	2348	2349	372
381	Metal products	25.1	25.1	24.1	21.4	21.2	3298	3672	3751	3500	3663	381
382	Machinery n.e.c.	40.6	40.9	35.9	33.8	33.0	6600	7410	7059	6799	7102	382
3825	Office,computing etc..	2.9	3.3	3.2	2.8	2.0	519	591	666	585	546	3825
383	Electrical machinery ...	21.9	20.8	19.0	16.4	16.3	3502	3725	3515	3166	3253	383
3832	Radio,television etc..	10.1	9.4	8.4	6.7	6.4	1678	1770	1639	1389	1340	3832
384	Transport equipment	25.4	24.5	22.7	22.7	23.8	3630	3859	3800	3972	4500	384
3841	Shipbuilding, repair..	16.0	15.2	13.7	13.4	14.9	2174	2329	2248	2273	2728	3841
3843	Motor vehicles ..... b/	3.9	4.0	3.9	3.3	3.6	513	574	575	517	619	3843
385	Professional goods	1.4	1.6	1.6	1.6	1.6	231	276	315	317	352	385
390	Other industries	2.5	2.6	2.4	2.3	2.5	298	341	344	329	407	390
3	Manufacturing	315.0	313.9	293.4	275.7	271.1	43852	48340	48609	47862	49886	3
410	Electricity,gas,steam ..	...	19.4	19.5	19.6	19.4	2904	3295	3503	3605	3711	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	19.4	19.5	19.6	19.4	2904	3295	3503	3605	3711	4
2-4	All industry	...	353.1	332.2	315.2	310.0	52214	58132	57997	57725	60038	2-4

a/ Mining and manufacturing: large establishments, generally with 5 or more persons engaged.
b/ Including motorcycles and bicycles.

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES a/ (MILLION KRONER)					6. QUANTITY OF ELECTRICITY CONSUMED a/ (MILLION KWH)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	14	14	18	23	18	29	26	22	22	...	210
220	Petroleum and gas	1080	1307	1252	1424	1635	-	-	79	117	...	220
230	Metal ore mining	68	62	49	50	45	636	584	522	448	...	230
290	Other mining	75	81	80	89	102	176	201	182	183	...	290
2	Mining, quarrying .	1236	1464	1399	1586	1799	841	811	805	770	...	2
311/2	Food products	1067	1220	1273	1317	1380	1806	1887	1812	1927	...	311/2
313	Beverages	167	210	213	[243	245]	167	187	200	[219]	...	313
314	Tobacco	22	28	29			14	14	14		...	314
321	Textiles	147	167	164	146	152	140	141	126	113	...	321
3211	Spinning,weaving etc..	47	52	49	41	44	...	...	...	44	...	3211
322	Wearing apparel	68	65	54	43	44	30	28	23	20	...	322
323	Leather and products ...	13	13	12	12	12	16	10	9	17	...	323
324	Footwear	11	11	11	9	9	5	4	4	3	...	324
331	Wood products	406	463	462	447	437	579	570	589	555	...	331
332	Furniture, fixtures	189	201	193	187	188	164	145	108	118	...	332
341	Paper and products	417	456	504	471	462	4556	5696	6221	6548	...	341
3411	Pulp,paper etc.	303	326	363	337	330	...	...	...	6340	...	3411
342	Printing,publishing	964	1139	1180	1234	1290	371	327	340	336	...	342
351	Industrial chemicals ...	345	380	379	440	513	5163	4654	4918	4843	...	351
3511	Basic excl fertilizers	144	155	162	181	225	...	...	...	2291	...	3511
3513	Synthetic resins etc .	69	84	90	104	128	...	...	...	282	...	3513
352	Other chemical products.	232	262	253	255	255	188	184	220	170	...	352
3522	Drugs and medicines ..	71	85	92	98	100	...	...	...	80	...	3522
353	Petroleum refineries ...	41	52	60	58	73	226	259	245	340	...	353
354	Petroleum,coal products.	45	48	46	40	42	273	249	193	215	...	354
355	Rubber products	40	44	48	43	45	49	78	118	99	...	355
356	Plastic products n.e.c..	155	176	183	174	193	299	305	271	276	...	356
361	Pottery,china etc	28	32	33	29	28	44	38	41	38	...	361
362	Glass and products	57	63	66	62	57	173	188	192	159	...	362
369	Non-metal products n.e.c	241	261	269	249	274	553	567	542	566	...	369
371	Iron and steel	308	318	328	315	309	9166	8158	8710	8639	...	371
372	Non-ferrous metals	436	473	522	515	490	15636	16893	16857	16902	...	372
381	Metal products	655	708	704	661	703	583	563	529	532	...	381
382	Machinery n.e.c.	1318	1504	1567	1473	1453	759	781	672	693	...	382
3825	Office,computing etc..	115	144	207	113	101	...	...	...	38	...	3825
383	Electrical machinery ...	757	853	757	715	737	359	358	386	308	...	383
3832	Radio,television etc..	341	392	366	311	305	...	...	...	76	...	3832
384	Transport equipment	733	761	769	773	852	443	476	470	455	...	384
3841	Shipbuilding, repair..	405	419	404	406	503	...	...	...	225	...	3841
3843	Motor vehicles	102 b/	117 b/	113 b/	100 b/	122 b/	...	...	...	126	...	3843
385	Professional goods	52	63	75	73	88	18	29	32	34	...	385
390	Other industries	57	71	71	72	85	50	41	33	29	...	390
3	Manufacturing	8972	10041	10223	10059	10417	41829	42830	43876	44154	...	3
410	Electricity,gas,steam ..	601	684	744	792	796	...	...	...	...	...	410
4101	Electricity.....	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	...	...	...	...	...	420
4	Electricity,gas etc	601	684	744	792	796	...	...	...	...	...	4
2-4	All industry	10809	12189	12366	12437	13012	...	...	...	...	...	2-4

a/ Mining and manufacturing: large establishments, generally with 5 or more persons engaged.
b/ Including motorcycles and bicycles.

NORWAY

ISIC	INDUSTRY	7. OUTPUT a/b/c/ (BILLION KRONER)					8. VALUE ADDED a/b/c/ (BILLION KRONER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	0.24	0.20	0.13	0.17	0.17	0.05	0.04	-0.01	0.03	0.02	210
220	Petroleum and gas	68.79	72.69	65.49	89.51	110.72	52.08	55.04	45.77	70.11	89.05	220
230	Metal ore mining	1.40	1.39	1.31	1.46	1.46	0.43	0.45	0.40	0.57	0.52	230
290	Other mining	1.89	2.05	2.12	2.32	2.22	0.86	0.94	0.93	1.03	1.00	290
2	Mining, quarrying .	72.31	76.33	69.06	93.46	114.58	53.43	56.48	47.09	71.73	90.59	2
311/2	Food products	51.24	55.47	58.25	61.50	64.32	6.11	6.74	7.52	7.88	8.18	311/
313	Beverages	4.57	5.27	5.60	[9.07	9.61]	3.00	3.38	3.67	[6.60	7.13]	313
314	Tobacco	2.50	3.05	3.20			2.04	2.53	2.64			314
321	Textiles	3.17	3.34	3.18	2.99	3.17	1.18	1.22	1.18	1.10	1.20	321
3211	Spinning,weaving etc..	1.02	1.07	0.97	0.90	0.99	0.40	0.39	0.37	0.33	0.37	3211
322	Wearing apparel	1.35	1.30	1.07	0.85	0.96	0.52	0.50	0.45	0.34	0.36	322
323	Leather and products ...	0.28	0.31	0.27	0.27	0.33	0.09	0.09	0.08	0.09	0.10	323
324	Footwear	0.19	0.19	0.18	0.15	0.16	0.09	0.09	0.08	0.07	0.07	324
331	Wood products	11.71	13.34	12.71	12.27	12.74	3.52	4.02	3.86	3.76	3.87	331
332	Furniture, fixtures	4.54	4.66	4.20	4.11	4.27	1.60	1.57	1.46	1.42	1.48	332
341	Paper and products	13.74	15.15	16.55	18.79	18.57	3.52	3.81	4.57	5.03	4.93	341
3411	Pulp,paper etc.	10.97	12.16	13.47	15.58	15.21	2.67	2.80	3.49	3.97	3.82	3411
342	Printing,publishing	16.15	18.30	18.92	19.26	19.96	6.95	7.97	8.03	8.37	8.64	342
351	Industrial chemicals ...	12.42	13.58	14.18	15.22	15.84	3.19	4.60	4.88	4.92	5.08	351
3511	Basic excl fertilizers	5.84	6.14	6.58	7.51	7.36	1.47	2.30	2.60	2.74	2.70	3511
3513	Synthetic resins etc .	2.81	3.33	3.80	3.64	3.92	0.36	1.01	1.25	0.91	0.84	3513
352	Other chemical products.	5.02	5.76	5.86	6.23	6.43	1.81	2.12	2.21	2.44	2.46	352
3522	Drugs and medicines ..	1.54	1.99	2.15	2.64	2.80	0.62	0.84	0.95	1.15	1.22	3522
353	Petroleum refineries ...	7.65	9.51	8.02	11.42	17.23	0.12	0.44	0.82	0.67	1.22	353
354	Petroleum,coal products.	1.90	1.94	1.66	1.65	1.50	0.44	0.54	0.39	0.40	0.40	354
355	Rubber products	0.83	0.82	0.90	0.83	0.86	0.37	0.34	0.36	0.35	0.36	355
356	Plastic products n.e.c..	4.17	4.46	4.75	4.64	4.87	1.51	1.56	1.57	1.56	1.74	356
361	Pottery,china etc	0.28	0.29	0.32	0.30	0.30	0.17	0.18	0.19	0.17	0.17	361
362	Glass and products	1.13	1.24	1.22	1.12	1.14	0.45	0.54	0.48	0.46	0.48	362
369	Non-metal products n.e.c	6.34	6.68	6.66	5.94	6.19	2.24	2.46	2.41	2.17	2.26	369
371	Iron and steel	8.82	8.72	10.61	10.20	9.04	2.14	2.13	3.21	3.41	2.17	371
372	Non-ferrous metals	14.71	16.88	23.83	28.03	22.56	4.41	5.13	7.92	8.23	5.17	372
381	Metal products	11.63	12.41	12.31	11.68	13.16	4.74	5.09	5.09	4.75	4.91	381
382	Machinery n.e.c.	40.94	38.71	44.66	46.75	43.39	9.73	10.14	9.65	9.38	9.95	382
3825	Office,computing etc..	2.85	2.89	2.86	2.67	2.37	1.20	0.93	0.88	0.74	0.79	3825
383	Electrical machinery ...	12.70	14.50	13.70	12.80	13.66	5.21	5.61	5.03	4.85	4.70	383
3832	Radio,television etc..	5.83	6.52	5.97	4.89	5.22	2.32	2.51	2.25	2.07	1.98	3832
384	Transport equipment	13.97	16.64	16.23	16.80	20.88	4.48	5.17	5.12	5.56	6.43	384
3841	Shipbuilding, repair..	9.28	11.33	10.98	11.02	14.42	2.79	3.09	2.92	3.17	3.92	3841
3843	Motor vehicles ..... d/	2.39	2.72	2.71	2.69	2.80	0.72	0.81	0.81	0.78	0.92	3843
385	Professional goods	0.81	0.97	1.14	1.19	1.25	0.37	0.41	0.48	0.49	0.51	385
390	Other industries	0.98	1.13	1.05	1.05	1.25	0.42	0.47	0.44	0.47	0.56	390
3	Manufacturing	253.76	274.61	291.23	305.10	313.66	70.41	78.86	83.78	84.92	84.53	3
410	Electricity,gas,steam ..	42.44	46.00	50.80	51.18	51.97	17.52	19.08	21.29	23.24	23.95	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	42.44	46.00	50.80	51.18	51.97	17.52	19.08	21.29	23.24	23.95	4
2-4	All industry	368.52	396.94	411.09	449.74	480.21	141.35	154.42	152.16	179.89	199.07	2-4

a/ Mining and manufacturing: large establishments, generally with 5 or more persons engaged.
b/ For valuation, see country note.
c/ In producers' prices but the value-added tax is not included.
d/ Including motorcycles and bicycles.

ISIC	INDUSTRY	9. GROSS FIXED CAPITAL FORMATION TOTAL a/ (MILLION KRONER)					10. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/ (MILLION KRONER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	79	23	18	28	12	16	9	6	10	4	210
220	Petroleum and gas	35546	31206	32233	41661	15329	25482	23188	23692	29801	5944	220
230	Metal ore mining	192	121	68	190	99	129	52	37	33	51	230
290	Other mining	166	175	259	180	231	126	122	130	116	153	290
2	Mining, quarrying .	35983	31525	32578	42059	15671	25752	23370	23865	29960	6152	2
311/2	Food products	1733	2296	2600	2298	2105	1205	1353	1328	1364	1368	311/2
313	Beverages	365	452	465	[387	232]	282	285	286	[291	289]	313
314	Tobacco	18	42	55			18	42	50			314
321	Textiles	153	149	84	126	7	107	106	71	130	41	321
3211	Spinning,weaving etc..	72	63	37	20	37	45	49	24	25	30	3211
322	Wearing apparel	28	22	26	23	12	29	23	8	17	9	322
323	Leather and products ...	13	16	5	8	7	9	6	2	3	7	323
324	Footwear	5	6	1	2	2	4	4	1	1	2	324
331	Wood products	538	717	659	634	740	364	493	388	432	452	331
332	Furniture, fixtures	205	208	170	107	157	158	121	105	78	105	332
341	Paper and products	1043	1351	1000	654	1153	848	1089	828	418	579	341
3411	Pulp,paper etc.	817	1115	877	506	1028	707	949	746	320	470	3411
342	Printing,publishing	1034	943	877	491	779	707	710	590	455	507	342
351	Industrial chemicals ...	895	1153	1159	1030	984	676	782	747	730	527	351
3511	Basic excl fertilizers	192	333	202	442	267	167	168	140	360	209	3511
3513	Synthetic resins etc .	141	120	158	292	229	113	86	82	267	99	3513
352	Other chemical products.	431	351	425	230	515	245	167	287	281	248	352
3522	Drugs and medicines ..	269	189	268	68	298	125	76	175	165	133	3522
353	Petroleum refineries ...	1631	4518	4292	1202	1382	148	923	1866	1153	291	353
354	Petroleum,coal products.	120	75	92	151	70	112	37	38	85	37	354
355	Rubber products	37	80	67	35	55	35	56	30	32	48	355
356	Plastic products n.e.c..	277	370	299	235	250	208	268	226	183	199	356
361	Pottery,china etc	26	11	8	6	11	24	12	6	11	10	361
362	Glass and products	93	80	61	134	50	51	35	31	43	25	362
369	Non-metal products n.e.c	681	888	642	506	721	325	471	314	267	302	369
371	Iron and steel	867	442	396	502	619	524	211	187	266	361	371
372	Non-ferrous metals	1982	1461	915	957	876	1513	1090	632	606	626	372
381	Metal products	581	571	459	421	501	382	381	324	265	372	381
382	Machinery n.e.c.	1159	1056	709	376	662	690	689	492	252	504	382
3825	Office,computing etc..	324	124	205	-239	...	150	92	127	-223	13	3825
383	Electrical machinery ...	747	433	466	549	493	527	421	408	432	357	383
3832	Radio,television etc..	338	34	55	227	148	210	108	143	137	126	3832
384	Transport equipment	582	467	600	620	586	326	111	312	324	365	384
3841	Shipbuilding, repair..	291	258	208	268	381	128	113	115	182	205	3841
3843	Motor vehicles ..... b/	167	143	187	90	96	122	107	118	67	80	3843
385	Professional goods	29	33	79	29	54	25	10	47	28	54	385
390	Other industries	62	53	69	53	50	49	39	30	45	48	390
3	Manufacturing	15335	18245	16678	11766	13072	9594	9938	9635	8193	7731	3
410	Electricity,gas,steam ..	8011	8823	8895	6940	5772	3072	3117	2946	2634	2567	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	8011	8823	8895	6940	5772	3072	3117	2946	2634	2567	4
2-4	All industry	59329	58593	58151	60765	34515	38418	36425	36446	40787	16450	2-4

a/ Mining and manufacturing: large establishments, generally with 5 or more persons engaged.
b/ Including motorcycles and bicycles.

NORWAY

11. VALUE OF STOCKS AT END OF PERIOD
TOTAL a/
(MILLION KRONER)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	90	31	12	9	5	210
220	Petroleum and gas	683	442	529	542	2281	220
230	Metal ore mining	241	221	233	223	245	230
290	Other mining	145	133	146	180	189	290
2	Mining, quarrying .	1159	827	920	954	2720	2
311/2	Food products	4748	4850	5211	5373	5044	311/2
313	Beverages	237	273	285	[673	675]	313
314	Tobacco	363	424	464			314
321	Textiles	718	731	700	641	611	321
3211	Spinning,weaving etc..	272	283	269	238	245	3211
322	Wearing apparel	245	224	201	163	159	322
323	Leather and products ...	49	48	43	41	41	323
324	Footwear	36	33	31	33	33	324
331	Wood products	1974	2250	3155	2226	2377	331
332	Furniture, fixtures	833	768	680	619	634	332
341	Paper and products	1442	1496	1623	1705	1651	341
3411	Pulp,paper etc.	1151	1205	1330	1403	1351	3411
342	Printing,publishing	783	840	906	904	787	342
351	Industrial chemicals ...	1467	1315	1360	1616	1740	351
3511	Basic excl fertilizers	597	502	517	596	702	3511
3513	Synthetic resins etc .	413	453	564	558	601	3513
352	Other chemical products.	958	1104	1112	1339	1436	352
3522	Drugs and medicines ..	293	431	487	724	791	3522
353	Petroleum refineries ...	772	918	712	842	1869	353
354	Petroleum,coal products.	266	267	148	153	188	354
355	Rubber products	107	120	129	71	74	355
356	Plastic products n.e.c..	544	613	669	639	691	356
361	Pottery,china etc	52	48	54	49	49	361
362	Glass and products	144	150	165	153	145	362
369	Non-metal products n.e.c	523	603	640	496	560	369
371	Iron and steel	1599	1403	1349	1581	1726	371
372	Non-ferrous metals	2647	2191	2789	2955	2756	372
381	Metal products	1879	1796	1685	1684	1912	381
382	Machinery n.e.c.	25455	26029	24083	17535	32267	382
3825	Office,computing etc..	659	707	633	476	523	3825
383	Electrical machinery ...	3216	2615	2626	2579	2527	383
3832	Radio,television etc..	1773	1164	1136	1001	992	3832
384	Transport equipment	3379	4072	3498	4846	6231	384
3841	Shipbuilding, repair..	2154	2876	2244	3408	5165	3841
3843	Motor vehicles ..... b/	433	457	449	419	461	3843
385	Professional goods	161	165	194	220	233	385
390	Other industries	175	207	202	201	217	390
3	Manufacturing	54773	55553	54714	49339	66630	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	2-4

a/ Mining and manufacturing: large establishments, generally with 5 or more persons engaged.
b/ Including motorcycles and bicycles.

12. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	131	220	213	287	271	241	167	253	219	10.3	210
220	Petroleum and gas	97	114	131	139	148	165	182	233	246	11.9	220
230	Metal ore mining	107	123	116	109	112	101	89	86	85	-2.0	230
290	Other mining	93	104	104	110	123	118	120	131	139	4.2	290
2	Mining, quarrying .	97	114	131	138	147	164	181	230	243	11.7	2
311/2	Food products	80	74	70	63	63	61	55	55	50	-8.3	311/2
313	Beverages	93	89	91	93	100	100	104	105	106	0.7	313
314	Tobacco	98	96	96	106	102	109	111	111	112	1.4	314
321	Textiles	75	72	72	76	77	72	63	57	59	-6.4	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	95	83	85	86	82	72	58	47	46	-9.3	322
323	Leather and products ...	108	104	103	102	104	108	94	91	95	-0.6	323
324	Footwear	61	54	62	48	47	43	40	32	30	-14.0	324
331	Wood products	93	88	87	88	91	91	87	86	83	-2.3	331
332	Furniture, fixtures	89	81	84	85	84	80	74	69	65	-5.2	332
341	Paper and products	101	107	127	132	130	129	130	139	138	4.1	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	98	100	104	106	109	111	112	112	111	1.3	342
351	Industrial chemicals ...	110	126	173	167	160	168	170	178	188	8.2	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	108	107	115	120	126	130	127	134	139	4.2	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	209	226	234	244	241	281	265	291	404	19.1	353
354	Petroleum,coal products.	104	102	106	107	109	108	101	97	90	-1.3	354
355	Rubber products	83	84	100	108	113	110	114	114	114	1.7	355
356	Plastic products n.e.c..	104	107	106	112	113	116	115	115	115	1.8	356
361	Pottery,china etc	88	74	74	66	63	53	53	47	48	-8.8	361
362	Glass and products	102	100	100	102	111	114	110	103	102	0.2	362
369	Non-metal products n.e.c	93	92	84	92	102	106	100	90	86	-1.9	369
371	Iron and steel	111	134	145	147	138	132	140	138	136	3.9	371
372	Non-ferrous metals	91	117	118	114	117	130	142	147	148	5.0	372
381	Metal products	94	84	87	91	95	95	92	90	88	-1.6	381
382	Machinery n.e.c.	105	102	118	128	132	133	126	125	125	2.8	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	114	114	119	128	136	145	149	154	152	5.4	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	95	82	77	75	73	71	69	70	71	-4.2	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	113	125	130	135	141	140	137	140	150	5.2	385
390	Other industries	105	106	111	120	128	118	115	107	112	1.4	390
3	Manufacturing	99	98	104	106	108	110	109	109	110	1.2	3
410	Electricity,gas,steam ..	112	127	121	118	111	119	125	136	138	4.1	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	99	108	118	121	126	135	142	165	171	6.9	2-4

a/ Annual growth rate 1982-1990.

OMAN

The information in the tables is based on the official publication issued by the Directorate General of National Statistics, Technical Secretariat, Development Council, Muscat. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The data in the tables are derived from the annual survey of industrial establishments initiated in 1979 to collect data for 1978. The survey covers all establishments engaged in manufacturing activities of the modern sector. Establishments engaged in traditional manufacturing activities and handicrafts are excluded from the scope of the survey. Excluded also are supporting services such as repair of vehicles, television and radio sets, tailoring, dry cleaning, laundry and other similar services to the general public. The collection of information is carried out by field enumerators. The estimates in the tables are not adjusted for non-response. The data in the tables are based on the national data which are available only by broad groupings of industries.

Numbers of employees and operatives relate to the end of the reference year. Wages and salaries refer to total cash payments and do not include payments in kind such as free accommodation, transportation etc. Output relates to the total value of sales and net stock of goods produced during the year. Estimates of value added are calculated as the difference between output defined above and costs of intermediate consumption, i.e. costs of fuels, raw materials, electricity and water, repairs, interest paid, overheads and others.

Related national publication:

Statistical Survey of Industrial Establishments in Oman, 1978, published by the Directorate General of National Statistics, Technical Secretariat, Development Council, Muscat.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products											311/2
313	Beverages	23	18	20	16	13	288	344	81	110	60	313
314	Tobacco											314
321	Textiles a/	1	-	3	6	9	34	-	19	999	2626	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel a/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products a/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear a/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	101	41	33	31	21	614	189	166	89	52	331
332	Furniture, fixtures											332
341	Paper and products b/	1	3	2	6	1	9	23	96	45	26	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing b/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals c/	9	6	5	1	1	288	107	49	40	15	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries c/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. c/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products c/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c. c/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc											361
362	Glass and products	228	98	88	55	40	979	567	461	262	174	362
369	Non-metal products n.e.c											369
371	Iron and steel	1	1	-	-	-	897	91	-	-	-	371
372	Non-ferrous metals											372
381	Metal products d/	80	43	37	46	56	291	216	116	146	246	381
382	Machinery n.e.c.											382
3825	Office,computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery d/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment d/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods d/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	1	1	1	2	1	53	16	2	25	-	390
3	Manufacturing	...	...	...	...	...	...	...	...	...	...	3
410	Electricity,gas,steam	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	445	211	189	163	142	3453	1553	990	1716	3199	2-4

a/ Major groups 322 to 324 are included in 321.
b/ Major group 342 is included in 341.
c/ Major groups 352 to 356 are included in 351.
d/ Major groups 383 to 385 are included in 381 and 382 combined.

OMAN

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES a/ (THOUSAND RIALS OMANI) 1986	1987	1988	1989	1990	4. OUTPUT IN PRODUCERS' PRICES b/ (MILLION RIALS OMANI) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	1191.5	1509.3	1301.2	1581.6	2180.8	2
311/2	Food products	[					...	...	...	...	...	311/2
313	Beverages	506	587	105	169	69	...	...	...	...	...	313
314	Tobacco	]					...	...	...	...	...	314
321	Textiles ..... c/	32	-	16	1133	2447	...	...	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... c/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ... c/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear ..... c/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	[					...	...	...	...	...	331
332	Furniture, fixtures	577	244	211	87	51	...	...	...	...	...	332
341	Paper and products ..... d/	7	72	296	90	40	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... d/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... e/	747	264	106	62	28	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. e/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... e/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. e/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products ..... e/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. e/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	[					...	...	...	...	...	361
362	Glass and products	997	667	478	314	258	...	...	...	...	...	362
369	Non-metal products n.e.c	]					...	...	...	...	...	369
371	Iron and steel	[					...	...	...	...	...	371
372	Non-ferrous metals	3193	261	-	-	-	...	...	...	...	...	372
381	Metal products	[					...	...	...	...	...	381
382	Machinery n.e.c. ..... f/	300	429	198	177	369	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... f/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... f/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods ..... f/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	212	40	3	80	-	...	...	...	...	...	390
3	Manufacturing	...	...	...	...	...	392.3	380.1	429.1	464.7	533.9	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	80.6	86.6	90.4	91.1	97.1	4101
420	Water works and supply .	...	...	...	...	...	16.6	22.0	23.6	25.9	27.9	420
4	Electricity,gas etc	...	...	...	...	...	97.2	108.6	114.0	117.0	125.0	4
2-4	All industry	6571	2564	1413	2112	3262	1681.0	1998.0	1844.3	2163.3	2839.7	2-4

a/ Excluding payments in kind.
b/ Value of goods manufactured during the year.
c/ Major groups 322 to 324 are included in 321.
d/ Major group 342 is included in 341.
e/ Major groups 352 to 356 are included in 351.
f/ Major groups 383 to 385 are included in 381 and 382 combined.

ISIC	INDUSTRY	5. VALUE ADDED IN PRODUCERS' PRICES a/ (MILLION RIALS OMANI)					6. GROSS FIXED CAPITAL FORMATION TOTAL (MILLION RIALS OMANI)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	1072.4	1413.0	1202.1	1478.6	2068.0	1.7	2.3	0.5	2.0	1.3	2
311/2	Food products	...	...	...	...	...	...	...	...	...	...	311/2
313	Beverages	...	...	...	...	...	...	...	...	...	...	313
314	Tobacco	...	...	...	...	...	...	...	...	...	...	314
321	Textiles	...	...	...	...	...	...	...	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	...	...	...	...	...	...	...	...	...	...	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	...	...	...	...	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	...	...	...	...	...	...	...	...	...	...	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	...	...	...	...	...	...	...	...	...	...	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	103.2	111.5	122.7	137.1	151.1	26.9	27.7	21.1	17.5	19.8	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	29.8	28.0	28.4	27.4	28.9	36.5	25.5	20.7	13.1	14.7	4101
420	Water works and supply .	10.6	15.5	17.8	20.8	22.3	9.8	5.7	3.6	3.9	13.1	420
4	Electricity,gas etc	40.4	43.5	46.2	48.2	51.2	46.3	31.2	24.3	17.0	27.8	4
2-4	All industry	1216.0	1568.0	1371.0	1663.9	2270.3	74.9	61.2	45.9	36.5	48.9	2-4

a/ Net of non-industrial costs.

PAKISTAN

The information in the tables is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Federal Bureau of Statistics, Statistics Division, Islamabad.

The data in the tables are derived from the censuses of mining industries and manufacturing industries carried out by the joint efforts of the Federal Bureau of Statistics the provincial Directorates of Industries and Mineral Development and the Provincial Bureau of Statistics. The census of mining industries enumerates completely all mining and quarrying establishments with a lease or license in the name of one leasee or licensee. The census of manufacturing covers all establishments registered under the Factories Act of 1934. Establishments owned by the Ministry of Defense and government workshops are, however, excluded. Eligible establishments that are not registered are also excluded. Establishments that ceased operation but are still in the register list during the reference period are included. The inquiry is sent by mail, supplemented by field visits. The data cover only reporting establishments as no adjustment is made for non-response, which could be considerable.

The national industrial classification generally follows the ISIC. The concepts and definitions used in reporting the data are generally in accordance with the United Nations standards, although the following points should be noted:

The reference period is twelve months ending 30 June of the year indicated;

Number of employees refers to the average daily employment. It includes persons employed through labour contractors;

Wages and salaries include amounts paid to labour contractors;

Output data are not adjusted for the cost of purchases of goods for resale without further processing;

Output and value added refer to census output and census value added respectively. They are reported at producers' prices.

Related national publication:

Census of Manufacturing Industries Report (occasional), published by the Federal Bureau of Statistics, Statistics Division, Islamabad.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	402	462	459	...	...	15.4	16.4	16.4	...	...	210
220	Petroleum and gas	29	32	32	...	...	3.4	4.1	4.3	...	...	220
230	Metal ore mining	-	-	-	...	...	-	-	-	...	...	230
290	Other mining	429	398	443	...	...	5.7	7.0	8.0	...	...	290
2	Mining, quarrying .	860	892	934	...	...	24.5	27.5	28.7	...	...	2
311/2	Food products	730	831	...	...	...	65.8	69.0	...	...	...	311/2
313	Beverages	51	50	...	...	...	6.1	4.9	...	...	...	313
314	Tobacco	18	19	...	...	...	9.7	9.1	...	...	...	314
321	Textiles	1263	1263	...	...	...	188.2	198.0	...	...	...	321
3211	Spinning,weaving etc..	1031	1035	...	...	...	177.6	186.9	...	...	...	3211
322	Wearing apparel	76	94	...	...	...	9.0	11.7	...	...	...	322
323	Leather and products ...	81	83	...	...	...	5.8	6.4	...	...	...	323
324	Footwear	21	33	...	...	...	1.4	5.1	...	...	...	324
331	Wood products	32	33	...	...	...	2.6	3.3	...	...	...	331
332	Furniture, fixtures	46	53	...	...	...	1.3	1.9	...	...	...	332
341	Paper and products	49	47	...	...	...	8.6	6.8	...	...	...	341
3411	Pulp,paper etc.	6	5	...	...	...	1.8	0.5	...	...	...	3411
342	Printing,publishing	143	148	...	...	...	8.9	11.1	...	...	...	342
351	Industrial chemicals ...	89	97	...	...	...	19.4	18.1	...	...	...	351
3511	Basic excl fertilizers	24	26	...	...	...	4.1	4.1	...	...	...	3511
3513	Synthetic resins etc .	41	45	...	...	...	7.2	5.4	...	...	...	3513
352	Other chemical products.	284	301	...	...	...	25.4	27.4	...	...	...	352
3522	Drugs and medicines ..	123	133	...	...	...	15.3	14.2	...	...	...	3522
353	Petroleum refineries ...	3	3	...	...	...	2.8	2.5	...	...	...	353
354	Petroleum,coal products.	14	16	...	...	...	0.6	0.8	...	...	...	354
355	Rubber products	44	50	...	...	...	11.5	7.1	...	...	...	355
356	Plastic products n.e.c..	52	64	...	...	...	3.9	4.5	...	...	...	356
361	Pottery,china etc	12	17	...	...	...	2.8	2.1	...	..	...	361
362	Glass and products	22	28	...	...	...	4.2	5.5	...	...	...	362
369	Non-metal products n.e.c	103	100	...	...	...	17.7	19.2	...	...	...	369
371	Iron and steel	200	198	...	...	...	42.9	42.0	...	...	...	371
372	Non-ferrous metals	7	8	...	...	...	0.4	0.4	...	...	...	372
381	Metal products	231	256	...	...	...	9.0	9.4	...	...	...	381
382	Machinery n.e.c.	343	360	...	...	...	19.0	18.9	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	179	178	...	...	...	17.2	19.2	...	...	...	383
3832	Radio,television etc..	19	21	...	...	...	5.8	6.1	...	...	...	3832
384	Transport equipment	127	136	...	...	...	17.4	21.3	...	...	...	384
3841	Shipbuilding, repair..	3	4	...	...	...	4.2	4.2	...	...	...	3841
3843	Motor vehicles	64	66	...	...	...	8.4	10.5	...	...	...	3843
385	Professional goods	52	55	...	...	...	3.2	3.2	...	...	...	385
390	Other industries	77	73	...	...	...	3.7	3.5	...	...	...	390
3	Manufacturing	4349	4594	...	...	...	508.5	532.4	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	4	4	4	4	4	125.3	128.0	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

PAKISTAN

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES (MILLION RUPEES)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	15.4	16.4	16.4	...	...	208	259	267	...	...	210
220	Petroleum and gas	3.4	4.1	4.3	...	...	238	273	332	...	...	220
230	Metal ore mining	-	-	-	...	...	-	-	-	...	...	230
290	Other mining	5.7	7.0	8.0	...	...	117	127	162	...	...	290
2	Mining, quarrying .	24.5	27.5	28.7	...	...	563	659	761	...	...	2
311/2	Food products	65.6	68.8	...	...	...	1736	1912	...	...	...	311/2
313	Beverages	6.1	4.9	...	...	...	141	131	...	...	...	313
314	Tobacco	9.7	9.1	...	...	...	185	197	...	...	...	314
321	Textiles	187.7	197.5	...	...	...	3012	3558	...	...	...	321
3211	Spinning,weaving etc..	177.1	186.5	...	...	...	2753	3270	...	...	...	3211
322	Wearing apparel	9.0	11.6	...	...	...	198	268	...	...	...	322
323	Leather and products ...	5.7	6.3	...	...	...	104	144	...	...	...	323
324	Footwear	1.3	5.1	...	...	...	23	104	...	...	...	324
331	Wood products	2.6	3.3	...	...	...	46	66	...	...	...	331
332	Furniture, fixtures	1.3	1.8	...	...	...	21	33	...	...	...	332
341	Paper and products	8.5	6.8	...	...	...	203	180	...	...	...	341
3411	Pulp,paper etc.	1.8	0.5	...	...	...	31	10	...	...	...	3411
342	Printing,publishing	8.9	11.0	...	...	...	259	339	...	...	...	342
351	Industrial chemicals ...	19.4	18.0	...	...	...	747	853	...	...	...	351
3511	Basic excl fertilizers	4.1	4.1	...	...	...	134	187	...	...	...	3511
3513	Synthetic resins etc .	7.2	5.3	...	...	...	194	138	...	...	...	3513
352	Other chemical products.	25.2	27.3	...	...	...	827	1051	...	...	...	352
3522	Drugs and medicines ..	15.2	14.2	...	...	...	566	643	...	...	...	3522
353	Petroleum refineries ...	2.8	2.5	...	...	...	143	151	...	...	...	353
354	Petroleum,coal products.	0.6	0.7	...	...	...	15	23	...	...	...	354
355	Rubber products	11.5	7.1	...	...	...	289	180	...	...	...	355
356	Plastic products n.e.c..	3.9	4.5	...	...	...	104	119	...	...	...	356
361	Pottery,china etc	2.8	2.1	...	...	...	47	50	...	...	...	361
362	Glass and products	4.2	5.5	...	...	...	97	135	...	...	...	362
369	Non-metal products n.e.c	17.7	19.2	...	...	...	720	812	...	...	...	369
371	Iron and steel	42.8	42.0	...	...	...	1392	1763	...	...	...	371
372	Non-ferrous metals	0.4	0.4	...	...	...	7	12	...	...	...	372
381	Metal products	8.8	9.2	...	...	...	169	220	...	...	...	381
382	Machinery n.e.c.	18.7	18.7	...	...	...	495	536	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	17.2	19.1	...	...	...	462	632	...	...	...	383
3832	Radio,television etc..	5.8	6.1	...	...	...	178	210	...	...	...	3832
384	Transport equipment	17.4	21.2	...	...	...	550	713	...	...	...	384
3841	Shipbuilding, repair..	4.2	4.2	...	...	...	97	156	...	...	...	3841
3843	Motor vehicles	8.4	10.5	...	...	...	375	428	...	...	...	3843
385	Professional goods	3.2	3.1	...	...	...	54	61	...	...	...	385
390	Other industries	3.6	3.5	...	...	...	71	68	...	...	...	390
3	Manufacturing	506.6	530.3	...	...	...	12120	14311	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	125.3	128.0	...	...	...	2118	2755	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Average daily employment.

ISIC	INDUSTRY	5. OUTPUT IN PRODUCERS' PRICES (MILLION RUPEES)					6. VALUE ADDED IN PRODUCERS' PRICES (MILLION RUPEES)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	470	546	624	...	...	361	438	498	...	...	210
220	Petroleum and gas	6502	7773	7749	...	...	6279	7549	7487	...	...	220
230	Metal ore mining	-	-	-	...	...	-	-	-	...	...	230
290	Other mining	390	473	542	...	...	335	404	472	...	...	290
2	Mining, quarrying ..	7362	8792	8915	...	...	6975	8391	8457	...	...	2
311/2	Food products	33146	36684	...	...	...	9761	9373	...	...	...	311/2
313	Beverages	2292	1929	...	...	...	1221	1026	...	...	...	313
314	Tobacco	7117	11465	...	...	...	5612	9776	...	...	...	314
321	Textiles	38462	44974	...	...	...	9743	11520	...	...	...	321
3211	Spinning,weaving etc..	35382	41412	...	...	...	8852	10771	...	...	...	3211
322	Wearing apparel	2123	2830	...	...	...	625	616	...	...	...	322
323	Leather and products ...	3568	4920	...	...	...	944	393	...	...	...	323
324	Footwear	359	1273	...	...	...	118	333	...	...	...	324
331	Wood products	445	469	...	...	...	156	137	...	...	...	331
332	Furniture, fixtures	120	261	...	...	...	44	80	...	...	...	332
341	Paper and products	1820	1776	...	...	...	622	592	...	...	...	341
3411	Pulp,paper etc.	407	159	...	...	...	101	31	...	...	...	3411
342	Printing,publishing	1570	1834	...	...	...	622	758	...	...	...	342
351	Industrial chemicals ...	9584	11329	...	...	...	4596	5388	...	...	...	351
3511	Basic excl fertilizers	1060	1392	...	...	...	454	685	...	...	...	3511
3513	Synthetic resins etc .	1904	2107	...	...	...	952	928	...	...	...	3513
352	Other chemical products.	9513	11945	...	...	...	4311	4447	...	...	...	352
3522	Drugs and medicines ..	5270	5907	...	...	...	2369	2343	...	...	...	3522
353	Petroleum refineries ...	20605	17545	...	...	...	3914	5539	...	...	...	353
354	Petroleum,coal products.	1088	1305	...	...	...	227	338	...	...	...	354
355	Rubber products	2171	1874	...	...	...	861	709	...	...	...	355
356	Plastic products n.e.c..	981	1302	...	...	...	318	398	...	...	...	356
361	Pottery,china etc	305	327	...	...	...	130	174	...	...	...	361
362	Glass and products	741	904	...	...	...	351	383	...	...	...	362
369	Non-metal products n.e.c	6747	8785	...	...	...	3597	5203	...	...	...	369
371	Iron and steel	9601	13662	...	...	...	2194	5051	...	...	...	371
372	Non-ferrous metals	30	59	...	...	...	12	23	...	...	...	372
381	Metal products	1219	1728	...	...	...	468	564	...	...	...	381
382	Machinery n.e.c.	4965	5541	...	...	...	1340	1262	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	5197	7056	...	...	...	1857	1701	...	...	...	383
3832	Radio,television etc..	2027	2354	...	...	...	711	476	...	...	...	3832
384	Transport equipment	6341	7627	...	...	...	1384	1596	...	...	...	384
3841	Shipbuilding, repair..	291	302	...	...	...	235	147	...	...	...	3841
3843	Motor vehicles	4800	5676	...	...	...	918	1156	...	...	...	3843
385	Professional goods	395	493	...	...	...	79	90	...	...	...	385
390	Other industries	619	662	...	...	...	190	198	...	...	...	390
3	Manufacturing	171124	200555	...	...	...	55297	67671	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	16129	17191	...	...	...	10405	10833	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

PANAMA

The information in the tables, except for the indices, is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Dirección de Estadística y Censo, Contraloría General de la República, Panama.

The data in the tables are derived from the Survey of Manufacturing Industries and the Survey of Production undertaken annually by the Dirección de Estadística y Censo. The manufacturing inquiry is carried out through field interviews by enumerators and covers establishments with 5 or more persons engaged. The response rate is reported to be more than 90 per cent. The data in the tables have been adjusted for non-response. The data for electricity are derived from administrative registers and relate to all establishments controlled by the Instituto de Recursos Hidraúlicos y Electrificación (IRHE).

The data in the tables are based on the national classification system which follows the present version of the ISIC. It should be noted that, except for the number of establishments, ISIC 390 includes industries for which data cannot be divulged because of disclosure rules. The concepts and definitions used are generally in accordance with the United Nations standards, although the following points should be noted:

Number of persons engaged refers to the average number of employees on the last day of February, May, August and November of the reference year, plus the number of working proprietors, unpaid family and other workers reported for 31 August.

Wages and salaries of operatives do not include other remunerations such as bonuses, gratuities or representation expenses.

Electricity consumed refers to the quantity of electricity purchased and generated with no adjustment to the quantity sold.

Output is not adjusted for the cost of goods sold without further processing. The valuation of both output and value added is in producers' prices.

The indices of industrial production are compiled by the Dirección de Estadística y Censo and provided in response to the United Nations Questionnaire on Indices of Industrial Production. The indices cover, in principle, all industrial establishments with 5 or more persons engaged.

Related national publication:

Estadistíca Panameña: Situación Económica, Industria (Encuesta) (annual), published by the Dirección de Estadística y Censo, Panama.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	...	332	330	...	...	...	12388	11633	...	...	311/2
313	Beverages	...	17	17	...	...	...	2035	1846	...	...	313
314	Tobacco	...	3	3	...	...	...	443	422	...	...	314
321	Textiles	...	6	6	...	...	...	408	386	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	73	72	...	...	...	4612	4051	...	...	322
323	Leather and products ...	...	4	4	...	...	...	209	196	...	...	323
324	Footwear	...	17	17	...	...	...	967	816	...	...	324
331	Wood products	...	24	24	...	...	...	656	497	...	...	331
332	Furniture, fixtures	...	72	73	...	...	...	1347	978	...	...	332
341	Paper and products	...	23	23	...	...	...	1082	1020	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	77	77	...	...	...	2396	1896	...	...	342
351	Industrial chemicals ...	...	10	10	...	...	...	241	225	...	...	351
3511	Basic excl fertilizers	...	6	6	...	...	...	158	150	...	...	3511
3513	Synthetic resins etc .	...	-	-	...	...	...	-	-	...	...	3513
352	Other chemical products.	...	37	37	...	...	...	1761	1571	...	...	352
3522	Drugs and medicines ..	...	9	9	...	...	...	324	320	...	...	3522
353	Petroleum refineries ... b/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. b/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	6	6	...	...	...	121	133	...	...	355
356	Plastic products n.e.c..	...	32	32	...	...	...	1450	1255	...	...	356
361	Pottery,china etc	...	-	-	...	...	...	-	-	...	...	361
362	Glass and products	...	6	5	...	...	...	242	203	...	...	362
369	Non-metal products n.e.c	...	59	57	...	...	...	2311	1700	...	...	369
371	Iron and steel	...	[6	6]	...	...	...	[395	369]	...	...	371
372	Non-ferrous metals	...			...	...	...			...	...	372
381	Metal products	...	59	58	...	...	...	1374	1008	...	...	381
382	Machinery n.e.c.	...	10	9	...	...	...	114	100	...	...	382
3825	Office,computing etc..	...	-	-	...	...	...	-	-	...	...	3825
383	Electrical machinery ...	...	9	9	...	...	...	183	135	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	14	14	...	...	...	490	431	...	...	384
3841	Shipbuilding, repair..	...	7	7	...	...	...	363	328	...	...	3841
3843	Motor vehicles	...	7	7	...	...	...	127	103	...	...	3843
385	Professional goods	...	5	5	...	...	...	80	69	...	...	385
390	Other industries ..... b/	...	25	25	...	...	...	1261	1215	...	...	390
3	Manufacturing	...	926	919	...	...	...	36566	32155	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: establishments with 5 or more persons engaged. b/ Major groups 353 and 354 are included in 390.

PANAMA

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES a/b/ (THOUSAND BALBOAS)					4. SUPPLEMENTS TO WAGES AND SALARIES a/ (THOUSAND BALBOAS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	...	62392	59621	...	...	...	7763	7347	...	...	311/2
313	Beverages	...	11712	10678	...	...	...	1461	1342	...	...	313
314	Tobacco	...	5388	5370	...	...	...	565	562	...	...	314
321	Textiles	...	1898	1568	...	...	...	255	212	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	14852	11759	...	...	...	1746	1354	...	...	322
323	Leather and products ...	...	1183	1119	...	...	...	146	143	...	...	323
324	Footwear	...	3660	2685	...	...	...	450	332	...	...	324
331	Wood products	...	2408	1854	...	...	...	357	263	...	...	331
332	Furniture, fixtures	...	4618	3234	...	...	...	598	447	...	...	332
341	Paper and products	...	8288	8392	...	...	...	1021	1110	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	13312	9671	...	...	...	1893	1255	...	...	342
351	Industrial chemicals ...	...	1529	1372	...	...	...	206	190	...	...	351
3511	Basic excl fertilizers	...	1195	1057	...	...	...	164	151	...	...	3511
3513	Synthetic resins etc .	...	-	-	...	...	...	-	-	...	...	3513
352	Other chemical products.	...	12504	11511	...	...	...	1529	1344	...	...	352
3522	Drugs and medicines ..	...	3298	3851	...	...	...	410	399	...	...	3522
353	Petroleum refineries ... c/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. c/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	550	543	...	...	...	69	69	...	...	355
356	Plastic products n.e.c..	...	8265	7320	...	...	...	1061	981	...	...	356
361	Pottery,china etc	...	-	-	...	...	...	-	-	...	...	361
362	Glass and products	...	1789	1283	...	...	...	259	182	...	...	362
369	Non-metal products n.e.c	...	13815	8818	...	...	...	1884	1210	...	...	369
371	Iron and steel	...	[2464	2098]	...	...	...	[424	265]	...	...	371
372	Non-ferrous metals	...			...	...	...			...	...	372
381	Metal products	...	7512	4912	...	...	...	1059	661	...	...	381
382	Machinery n.e.c.	...	671	458	...	...	...	105	71	...	...	382
3825	Office,computing etc..	...	-	-	...	...	...	-	-	...	...	3825
383	Electrical machinery ...	...	1196	885	...	...	...	140	95	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	4875	3934	...	...	...	657	579	...	...	384
3841	Shipbuilding, repair..	...	4315	3516	...	...	...	576	519	...	...	3841
3843	Motor vehicles	...	560	418	...	...	...	81	60	...	...	3843
385	Professional goods	...	548	459	...	...	...	67	55	...	...	385
390	Other industries ..... c/	...	18289	18656	...	...	...	2491	2308	...	...	390
3	Manufacturing	...	203718	178200	...	...	...	26206	22377	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: establishments with 5 or more persons engaged. b/ Including other benefits.
c/ Major groups 353 and 354 are included in 390.

ISIC	INDUSTRY	5. OUTPUT IN PRODUCERS' PRICES a/ (MILLION BALBOAS)					6. VALUE ADDED IN PRODUCERS' PRICES a/ (MILLION BALBOAS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	...	580.6	517.1	...	...	...	203.4	172.6	...	...	311/2
313	Beverages	...	140.6	116.8	...	...	...	74.5	60.3	...	...	313
314	Tobacco	...	36.6	30.4	...	...	...	29.1	23.5	...	...	314
321	Textiles	...	11.1	9.8	...	...	...	4.3	3.9	...	...	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	48.4	38.4	...	...	...	27.6	19.1	...	...	322
323	Leather and products	...	9.1	7.7	...	...	...	2.4	1.9	...	...	323
324	Footwear	...	19.1	11.7	...	...	...	7.9	5.2	...	...	324
331	Wood products	...	14.1	7.6	...	...	...	6.7	2.5	...	...	331
332	Furniture, fixtures	...	19.1	9.3	...	...	...	10.6	4.0	...	...	332
341	Paper and products	...	87.1	83.2	...	...	...	23.5	20.9	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	51.3	31.9	...	...	...	36.0	21.1	...	...	342
351	Industrial chemicals	...	30.0	28.0	...	...	...	7.7	6.7	...	...	351
3511	Basic excl fertilizers	...	20.3	19.2	...	...	...	5.8	5.0	...	...	3511
3513	Synthetic resins etc	...	-	-	...	...	...	-	-	...	...	3513
352	Other chemical products.	...	91.0	72.5	...	...	...	44.8	33.8	...	...	352
3522	Drugs and medicines	...	19.1	17.2	...	...	...	10.6	9.6	...	...	3522
353	Petroleum refineries b/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. b/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	3.7	4.5	...	...	...	1.3	1.9	...	...	355
356	Plastic products n.e.c.	...	50.0	39.7	...	...	...	25.7	17.5	...	...	356
361	Pottery,china etc	...	-	-	...	...	...	-	-	...	...	361
362	Glass and products	...	13.7	8.4	...	...	...	7.8	5.4	...	...	362
369	Non-metal products n.e.c	...	82.4	35.3	...	...	...	42.4	15.7	...	...	369
371	Iron and steel	...	[20.0	10.6]	...	...	...	[7.4	4.2]	...	...	371
372	Non-ferrous metals	...			...	...	...			...	...	372
381	Metal products	...	57.0	29.3	...	...	...	22.2	11.5	...	...	381
382	Machinery n.e.c.	...	1.9	1.0	...	...	...	1.2	0.7	...	...	382
3825	Office,computing etc.	...	-	-	...	...	...	-	-	...	...	3825
383	Electrical machinery	...	9.6	5.7	...	...	...	4.0	2.7	...	...	383
3832	Radio,television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	15.3	11.7	...	...	...	9.6	7.4	...	...	384
3841	Shipbuilding, repair	...	12.2	9.6	...	...	...	8.3	6.7	...	...	3841
3843	Motor vehicles	...	3.0	2.0	...	...	...	1.3	0.7	...	...	3843
385	Professional goods	...	4.4	3.7	...	...	...	2.6	2.2	...	...	385
390	Other industries b/	...	284.1	208.2	...	...	...	45.6	40.7	...	...	390
3	Manufacturing	...	1680.1	1322.5	...	...	...	648.6	485.4	...	...	3
410	Electricity,gas,steam	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	..	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: establishments with 5 or more persons engaged. b/ Major groups 353 and 354 are included in 390.

ISIC	INDUSTRY	7. GROSS FIXED CAPITAL FORMATION TOTAL a/ (THOUSAND BALBOAS)					8. VALUE OF STOCKS AT END OF PERIOD TOTAL a/ (THOUSAND BALBOAS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	..	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	..	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	...	21106	20044	...	...	...	124634	120506	...	...	311/2
313	Beverages	...	3731	638	...	...	...	31368	29044	...	...	313
314	Tobacco	...	1502	484	...	...	...	4381	6023	...	...	314
321	Textiles	...	372	212	...	...	...	3032	2767	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	1102	765	...	...	...	20394	17001	...	...	322
323	Leather and products ...	...	75	48	...	...	...	1521	1015	...	...	323
324	Footwear	...	-95	-4005	...	...	...	6426	6646	...	...	324
331	Wood products	...	71	-123	...	...	...	4443	4494	...	...	331
332	Furniture, fixtures	...	299	376	...	...	...	7690	5798	...	...	332
341	Paper and products	...	2278	2053	...	...	...	6723	7621	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	678	1921	...	...	...	9772	7994	...	...	342
351	Industrial chemicals ...	...	282	298	...	...	...	2932	2939	...	...	351
3511	Basic excl fertilizers	...	235	432	...	...	...	1100	911	...	...	3511
3513	Synthetic resins etc .	...	-	-	...	...	...	-	-	...	...	3513
352	Other chemical products.	...	1852	1624	...	...	...	23007	24671	...	...	352
3522	Drugs and medicines ..	...	365	179	...	...	...	5008	10017	...	...	3522
353	Petroleum refineries ... b/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. b/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	309	136	...	...	...	704	971	...	...	355
356	Plastic products n.e.c..	...	4420	317	...	...	...	9318	7841	...	...	356
361	Pottery,china etc	...	-	-	...	...	...	-	-	...	...	361
362	Glass and products	...	3107	1239	...	...	...	3646	3809	...	...	362
369	Non-metal products n.e.c	...	1580	1716	...	...	...	14208	11951	...	...	369
371	Iron and steel	...	[464	554]	...	...	...	[5110	4034]	...	...	371
372	Non-ferrous metals	...			...	...	...			...	...	372
381	Metal products	...	669	539	...	...	...	18103	15393	...	...	381
382	Machinery n.e.c.	...	4	5	...	...	...	227	232	...	...	382
3825	Office,computing etc..	...	-	-	...	...	...	-	-	...	...	3825
383	Electrical machinery ...	...	347	103	...	...	...	2627	1968	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	159	163	...	...	...	1503	1318	...	...	384
3841	Shipbuilding, repair..	...	72	76	...	...	...	942	734	...	...	3841
3843	Motor vehicles	...	87	87	...	...	...	560	584	...	...	3843
385	Professional goods	...	6	19	...	...	...	806	752	...	...	385
390	Other industries ..... b/	...	-1049	3625	...	...	...	51730	24140	...	...	390
3	Manufacturing	...	43269	32751	...	...	...	354305	308928	...	...	3
410	Electricity,gas,steam ..	...	...	125	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	.	...	...	...	...	...	...	...	420
4	Electricity,gas,etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: establishments with 5 or more persons engaged. b/ Major groups 353 and 354 are included in 390.

9. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	113	116	105	106	104	112	97	104	108	1.0	311/2
313	Beverages	108	107	112	110	122	129	113	125	142	4.5	313
314	Tobacco	96	93	85	83	83	79	64	60	78	-3.1	314
321	Textiles	86	76	74	93	97	96	68	95	110	1.2	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	119	104	90	126	126	124	89	93	103	0.4	322
323	Leather and products ...	140	148	257	212	270	243	190	137	150	5.2	323
324	Footwear	93	89	98	109	124	119	69	67	64	-5.4	324
331	Wood products	102	93	107	83	73	72	37	51	58	-6.6	331
332	Furniture, fixtures	94	103	93	108	123	108	43	53	74	-3.7	332
341	Paper and products	101	107	108	113	109	122	115	122	130	3.3	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	87	97	94	111	104	85	61	66	82	-2.5	342
351	Industrial chemicals ...	134	136	159	158	162	169	147	151	165	6.5	351
3511	Basic excl fertilizers.	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	108	117	112	129	140	148	117	125	132	3.5	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[86	87	82	68	52	77	54	51	64	-5.4]	353
354	Petroleum,coal products.											354
355	Rubber products	98	151	63	49	41	113	155	169	152	5.4	355
356	Plastic products n.e.c..	127	128	137	134	138	166	123	144	165	6.5	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	132	154	146	144	167	178	82	88	119	2.2	362
369	Non-metal products n.e.c	117	104	81	83	101	109	42	40	56	-7.0	369
371	Iron and steel	[83	62	58	62	70	107	36	34	58	-6.6]	371
372	Non-ferrous metals											372
381	Metal products	88	91	81	85	89	110	48	52	68	-4.7	381
382	Machinery n.e.c.	203	230	223	166	241	432	203	116	286	14.0	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	120	201	215	154	143	152	75	70	110	1.2	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	134	119	114	331	368	296	215	215	278	13.6	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	86	78	118	177	186	148	142	160	177	7.4	385
390	Other industries	116	176	162	224	248	238	162	197	194	8.6	390
3	Manufacturing	110	109	105	110	113	121	92	97	109	1.1	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Annual growth rate 1982-1990.

The information in the tables, except for the indices, is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Instituto Nacional de Estadística, Lima. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The data shown in the tables are compiled by the office mentioned above. The data for manufacturing are derived from the survey of manufacturing industries and relate to establishments with 5 or more persons engaged. Estimates of output and value added are derived from national accounts calculations and cover all establishments including handicrafts.

The data in the tables are based on the national classification which is comparable with the present version of ISIC. The following industries are omitted from the scope of manufacturing: canning, preserving and processing of fish and crustacea; extraction of fish and other marine animal oils; production of fish meal.

The reference period is the calendar year. When the establishment uses a financial year different from the calendar year, the data are adjusted to a calendar-year basis.

The number of establishments refers to those operated during the whole or part of the year under review. Wages and salaries relate to payments in cash and in kind during the year, excluding bonuses. The estimates of value added represent the contribution of each branch of industry to the gross domestic product. Valuation of output and value added is in producers' prices.

The indices of industrial production are compiled by the Ministerio de Industria, Turismo e Integracion and provided in response to the United Nations Questionnaire on Indices of Industrial Production. The indices cover, in principle, all industrial establishments.

Related national publication:

Cuentas Nacionales del Peru, published by the Instituto Nacional de Estadística, Lima.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products ..... b/	2124	2251	2282	...	...	41814	42164	43117	...	...	311/2
313	Beverages	558	579	580	...	...	14003	14688	14526	...	...	313
314	Tobacco	3	3	3	...	...	753	799	743	...	...	314
321	Textiles	997	1111	1149	...	...	36644	39460	41915	...	...	321
3211	Spinning,weaving etc..	446	491	504	...	...	27255	29199	30595	...	...	3211
322	Wearing apparel	1330	1536	1598	...	...	19536	22810	23538	...	...	322
323	Leather and products ...	236	257	260	...	...	3509	3926	3977	...	...	323
324	Footwear	493	574	597	...	...	7315	8251	8879	...	...	324
331	Wood products	707	761	758	...	...	9552	9767	10079	...	...	331
332	Furniture, fixtures	651	730	750	...	...	7191	8002	7935	...	...	332
341	Paper and products	155	180	192	...	...	6361	6856	6923	...	...	341
3411	Pulp,paper etc.	19	24	20	...	...	2961	3087	3037	...	...	3411
342	Printing,publishing	718	798	803	...	...	12671	13312	13000	...	...	342
351	Industrial chemicals ...	225	252	262	...	...	8109	8344	8384	...	...	351
3511	Basic excl fertilizers	155	181	186	...	...	3357	3559	3598	...	...	3511
3513	Synthetic resins etc .	41	38	40	...	...	3302	3349	1469	...	...	3513
352	Other chemical products.	617	656	609	...	...	16251	17407	16898	...	...	352
3522	Drugs and medicines ..	116	118	146	...	...	5892	6141	6579	...	...	3522
353	Petroleum refineries ...	16	18	17	...	...	3807	3886	3864	...	...	353
354	Petroleum,coal products.	10	11	12	...	...	87	68	68	...	...	354
355	Rubber products	85	101	108	...	...	2674	3403	3392	...	...	355
356	Plastic products n.e.c..	378	474	499	...	...	9838	11202	11164	...	...	356
361	Pottery,china etc	41	49	47	...	...	1142	1282	852	...	...	361
362	Glass and products	105	118	126	...	...	3298	3983	3737	...	...	362
369	Non-metal products n.e.c	567	637	662	...	...	10289	11362	11741	...	...	369
371	Iron and steel	65	71	73	...	...	7066	7200	8048	...	...	371
372	Non-ferrous metals	90	92	86	...	...	5006	5588	5225	...	...	372
381	Metal products	1231	1415	1442	...	...	17072	20650	18840	...	...	381
382	Machinery n.e.c.	539	596	636	...	...	10373	11271	11411	...	...	382
3825	Office,computing etc..	27	33	36	...	...	344	441	479	...	...	3825
383	Electrical machinery ...	442	483	476	...	...	9613	10503	10318	...	...	383
3832	Radio,television etc..	154	162	160	...	...	2671	2873	2619	...	...	3832
384	Transport equipment	415	471	492	...	...	8892	10586	14258	...	...	384
3841	Shipbuilding, repair..	65	70	74	...	...	1291	1313	5640	...	...	3841
3843	Motor vehicles	307	351	363	...	...	6749	8356	91	...	...	3843
385	Professional goods	88	93	96	...	...	1435	1640	1645	...	...	385
390	Other industries	415	452	462	...	...	4656	5155	5420	...	...	390
3	Manufacturing ..... b/	13301	14769	15137	...	...	278957	303565	309897	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.
b/ Excluding canning, preserving and processing of fish and crustacea, extraction of fish and other marine animal oils, production of fish meal.

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ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION INTIS)					4. AVERAGE NUMBER OF OPERATIVES a/ (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products ..... b/	1776	3621	22759	...	...	27722	27558	28524	...	...	311/2
313	Beverages	677	1695	8524	...	...	8749	9038	8850	...	...	313
314	Tobacco	75	142	600	...	...	494	510	462	...	...	314
321	Textiles	1495	3791	22219	...	...	26514	28641	30388	...	...	321
3211	Spinning,weaving etc..	1227	3084	17488	...	...	20539	22097	23304	...	...	3211
322	Wearing apparel	409	959	5296	...	...	13265	15462	15908	...	...	322
323	Leather and products ...	95	237	1221	...	...	2400	2699	2693	...	...	323
324	Footwear	221	503	2319	...	...	5133	5703	5793	...	...	324
331	Wood products	196	442	2350	...	...	6446	6791	6969	...	...	331
332	Furniture, fixtures	170	410	2083	...	...	4926	5549	5267	...	...	332
341	Paper and products	406	1016	5420	...	...	3978	4230	4160	...	...	341
3411	Pulp,paper etc.	230	596	3237	...	...	1632	1670	1569	...	...	3411
342	Printing,publishing	551	1288	6125	...	...	6926	6710	6576	...	...	342
351	Industrial chemicals ...	529	1132	6629	...	...	4577	4871	4864	...	...	351
3511	Basic excl fertilizers	204	455	2748	...	...	1821	1964	2019	...	...	3511
3513	Synthetic resins etc .	221	488	1049	...	...	2071	2215	2166	...	...	3513
352	Other chemical products.	970	2081	11810	...	...	7758	8469	8268	...	...	352
3522	Drugs and medicines ..	333	752	4118	...	...	2539	2694	2679	...	...	3522
353	Petroleum refineries ...	368	662	2162	...	...	805	761	747	...	...	353
354	Petroleum,coal products.	3	4	24	...	...	76	56	56	...	...	354
355	Rubber products	206	463	2596	...	...	1673	2343	2312	...	...	355
356	Plastic products n.e.c..	421	1094	5493	...	...	6392	7301	7066	...	...	356
361	Pottery,china etc	52	125	405	...	...	868	972	598	...	...	361
362	Glass and products	130	344	1990	...	...	2406	2941	2644	...	...	362
369	Non-metal products n.e.c	434	924	5589	...	...	7062	7825	7711	...	...	369
371	Iron and steel	596	1130	5841	...	...	3903	3993	4740	...	...	371
372	Non-ferrous metals	301	569	3052	...	...	4086	4491	4190	...	...	372
381	Metal products	572	1321	7115	...	...	11270	14238	12401	...	...	381
382	Machinery n.e.c.	400	968	5407	...	...	6805	7439	7481	...	...	382
3825	Office,computing etc..	12	34	201	...	...	163	152	234	...	...	3825
383	Electrical machinery ...	446	1103	5558	...	...	5347	5774	5524	...	...	383
3832	Radio,television etc..	103	274	921	...	...	1525	1647	1238	...	...	3832
384	Transport equipment	434	1083	5961	...	...	5397	6125	8929	...	...	384
3841	Shipbuilding, repair..	48	112	1524	...	...	810	767	3641	...	...	3841
3843	Motor vehicles	355	881	3962	...	...	4058	4805	4650	...	...	3843
385	Professional goods	69	165	988	...	...	784	945	853	...	...	385
390	Other industries	150	377	2043	...	...	2854	3167	3404	...	...	390
3	Manufacturing ..... b/	12154	27651	152579	...	...	178616	194602	197378	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.
b/ Excluding canning, preserving and processing of fish and crustacea, extraction of fish and other marine animal oils, production of fish meal.

ISIC	INDUSTRY	5. WAGES AND SALARIES OF OPERATIVES a/ (MILLION INTIS)					6. OUTPUT IN PRODUCERS' PRICES a/ (BILLION INTIS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products ..... b/	901	1724	10880	...	...	30.5	61.2	371.6	...	...	311/2
313	Beverages	282	659	2984	...	...	11.8	29.0	135.5	...	...	313
314	Tobacco	32	63	196	...	...	1.5	3.2	14.0	...	...	314
321	Textiles	805	2039	11272	...	...	15.3	34.7	211.1	...	...	321
3211	Spinning,weaving etc..	685	1729	9280	...	...	11.6	27.0	...	...	...	3211
322	Wearing apparel	189	461	2738	...	...	4.5	12.2	68.6	...	...	322
323	Leather and products ...	54	129	702	...	...	1.4	3.1	14.5	...	...	323
324	Footwear	118	255	1053	...	...	1.9	4.2	20.7	...	...	324
331	Wood products	101	249	1199	...	...	2.2	5.3	35.9	...	...	331
332	Furniture, fixtures	79	182	1098	...	...	1.4	3.5	16.4	...	...	332
341	Paper and products	190	452	2126	...	...	4.7	11.9	65.4	...	...	341
3411	Pulp,paper etc.	95	245	1171	...	...	2.4	5.2	30.7	...	...	3411
342	Printing,publishing	214	463	2325	...	...	5.4	11.8	73.4	...	...	342
351	Industrial chemicals ...	222	490	2675	...	...	6.9	11.1	81.8	...	...	351
3511	Basic excl fertilizers	73	172	1050	...	...	2.5	4.6	42.5	...	...	3511
3513	Synthetic resins etc .	114	245	1325	...	...	2.9	5.0	27.3	...	...	3513
352	Other chemical products.	232	532	2899	...	...	11.9	22.0	134.1	...	...	352
3522	Drugs and medicines ..	81	183	966	...	...	3.6	6.7	32.8	...	...	3522
353	Petroleum refineries ...	41	76	400	...	...	24.1	34.6	225.1	...	...	353
354	Petroleum,coal products.	2	3	18	...	...	-	0.1	0.4	...	...	354
355	Rubber products	93	227	1382	...	...	1.9	4.0	31.3	...	...	355
356	Plastic products n.e.c..	176	445	2329	...	...	5.1	12.2	75.8	...	...	356
361	Pottery,china etc	34	84	230	...	...	0.3	0.6	2.2	...	...	361
362	Glass and products	74	202	870	...	...	1.2	2.7	18.9	...	...	362
369	Non-metal products n.e.c	209	423	2627	...	...	4.8	8.6	58.0	...	...	369
371	Iron and steel	272	511	2509	...	...	5.2	8.6	78.9	...	...	371
372	Non-ferrous metals	221	393	2102	...	...	8.0	13.2	79.0	...	...	372
381	Metal products	263	627	3429	...	...	6.6	14.2	84.2	...	...	381
382	Machinery n.e.c.	200	489	2620	...	...	3.5	8.8	52.4	...	...	382
3825	Office,computing etc..	3	7	42	...	...	0.1	0.4	2.0	...	...	3825
383	Electrical machinery ...	162	389	1834	...	...	6.4	16.8	79.1	...	...	383
3832	Radio,television etc..	34	86	252	...	...	2.4	7.5	22.0	...	...	3832
384	Transport equipment	172	411	2492	...	...	5.7	12.4	79.0	...	...	384
3841	Shipbuilding, repair..	21	37	685	...	...	0.6	1.4	14.4	...	...	3841
3843	Motor vehicles	140	343	1675	...	...	4.6	9.9	59.7	...	...	3843
385	Professional goods	17	53	346	...	...	0.6	1.3	7.8	...	...	385
390	Other industries	55	128	774	...	...	2.2	5.5	32.7	...	...	390
3	Manufacturing ..... b/	5411	12159	66119	...	...	175.0	356.9	2148.0	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.
b/ Excluding canning, preserving and processing of fish and crustacea, extraction of fish and other marine animal oils, production of fish meal.

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ISIC	INDUSTRY	7. VALUE ADDED IN PRODUCERS' PRICES a/ (BILLION INTIS)					8. GROSS FIXED CAPITAL FORMATION TOTAL a/ (MILLION INTIS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products ..... b/	7.5	18.3	147.1	...	...	862	1390	13141	...	...	311/2
313	Beverages	7.2	18.6	96.4	...	...	588	1298	7170	...	...	313
314	Tobacco	1.1	2.6	11.8	...	...	4	13	164	...	...	314
321	Textiles	5.6	14.7	111.2	...	...	866	1947	18378	...	...	321
3211	Spinning,weaving etc..	4.5	12.1	89.2	...	...	735	1663	...	...	...	3211
322	Wearing apparel	1.4	3.6	27.9	...	...	55	122	2514	...	...	322
323	Leather and products ...	0.4	0.9	5.9	...	...	31	70	720	...	...	323
324	Footwear	0.5	1.3	6.7	...	...	24	72	857	...	...	324
331	Wood products	0.6	1.5	8.5	...	...	53	150	432	...	...	331
332	Furniture, fixtures	0.5	1.1	7.2	...	...	15	36	177	...	...	332
341	Paper and products	1.3	3.4	32.7	...	...	55	278	4158	...	...	341
3411	Pulp,paper etc.	0.6	1.7	16.7	...	...	20	131	1965	...	...	3411
342	Printing,publishing	2.0	4.8	35.2	...	...	134	309	1834	...	...	342
351	Industrial chemicals ...	3.0	4.5	47.0	...	...	327	636	5352	...	...	351
3511	Basic excl fertilizers	1.0	1.8	25.0	...	...	83	172	1522	...	...	3511
3513	Synthetic resins etc .	1.1	2.0	14.6	...	...	85	291	1306	...	...	3513
352	Other chemical products.	4.1	8.6	64.1	...	...	234	438	5437	...	...	352
3522	Drugs and medicines ..	1.1	2.6	14.6	...	...	47	182	2935	...	...	3522
353	Petroleum refineries ...	12.3	18.8	156.6	...	...	69	68	510	...	...	353
354	Petroleum,coal products.	-	-	0.2	...	...	-	-	...	...	...	354
355	Rubber products	0.8	2.0	21.0	...	...	46	205	1148	...	...	355
356	Plastic products n.e.c..	1.9	4.7	37.3	...	...	305	780	4890	...	...	356
361	Pottery,china etc	0.2	0.4	1.2	...	...	5	33	24	...	...	361
362	Glass and products	0.5	1.3	8.7	...	...	83	246	1798	...	...	362
369	Non-metal products n.e.c	1.9	4.0	30.1	...	...	475	769	4619	...	...	369
371	Iron and steel	1.5	2.0	44.6	...	...	73	202	4186	...	...	371
372	Non-ferrous metals	2.2	3.7	26.5	...	...	266	160	3921	...	...	372
381	Metal products	2.2	4.9	39.7	...	...	128	412	3246	...	...	381
382	Machinery n.e.c.	1.4	3.2	28.6	...	...	78	203	812	...	...	382
3825	Office,computing etc..	-	0.2	0.8	...	...	2	8	5	...	...	3825
383	Electrical machinery ...	2.3	7.7	37.5	...	...	139	338	2365	...	...	383
3832	Radio,television etc..	0.7	3.1	7.8	...	...	42	70	193	...	...	3832
384	Transport equipment	1.7	4.8	43.8	...	...	125	296	6155	...	...	384
3841	Shipbuilding, repair..	0.1	0.6	7.3	...	...	5	4	4135	...	...	3841
3843	Motor vehicles	1.4	3.8	24.3	...	...	110	244	1917	...	...	3843
385	Professional goods	0.2	0.6	4.3	...	...	25	42	128	...	...	385
390	Other industries	0.6	1.6	11.9	...	...	55	184	2058	...	...	390
3	Manufacturing ..... b/	64.8	143.4	1093.0	...	...	5120	10698	96194	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.
b/ Excluding canning, preserving and processing of fish and crustacea, extraction of fish and other marine animal oils, production of fish meal.

9. GROSS FIXED CAPITAL FORMATION
MACHINERY AND EQUIPMENT a/
(MILLION INTIS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	2
311/2	Food products ..... b/	167.3	389.4	...	...	...	311/2
313	Beverages	92.1	395.1	...	...	...	313
314	Tobacco	0.7	0.9	...	...	...	314
321	Textiles	373.3	1163.0	...	...	...	321
3211	Spinning,weaving etc..	295.3	1016.5	...	...	...	3211
322	Wearing apparel	23.3	42.3	...	...	...	322
323	Leather and products ...	19.7	37.3	...	...	...	323
324	Footwear	9.8	38.4	...	...	...	324
331	Wood products	35.7	50.0	...	...	...	331
332	Furniture, fixtures	6.1	13.1	...	...	...	332
341	Paper and products	24.2	78.3	...	...	...	341
3411	Pulp,paper etc.	4.9	38.8	...	...	...	3411
342	Printing,publishing	69.5	164.3	...	...	...	342
351	Industrial chemicals ...	102.4	198.9	...	...	...	351
3511	Basic excl fertilizers	30.1	50.7	...	...	...	3511
3513	Synthetic resins etc .	35.8	131.1	...	...	...	3513
352	Other chemical products.	76.3	101.8	...	...	...	352
3522	Drugs and medicines ..	18.4	47.9	...	...	...	3522
353	Petroleum refineries ...	26.3	38.6	...	...	...	353
354	Petroleum,coal products.	-	-	...	...	...	354
355	Rubber products	14.9	81.0	...	...	...	355
356	Plastic products n.e.c..	198.6	467.0	...	...	...	356
361	Pottery,china etc	0.1	25.2	...	...	...	361
362	Glass and products	53.4	102.2	...	...	...	362
369	Non-metal products n.e.c	23.9	116.8	...	...	...	369
371	Iron and steel	15.2	15.4	...	...	...	371
372	Non-ferrous metals	55.1	33.5	...	...	...	372
381	Metal products	51.5	165.9	...	...	...	381
382	Machinery n.e.c.	35.1	80.7	...	...	...	382
3825	Office,computing etc..	0.6	1.5	...	...	...	3825
383	Electrical machinery ...	78.8	138.1	...	...	...	383
3832	Radio,television etc..	27.8	28.3	...	...	...	3832
384	Transport equipment	41.7	107.4	...	...	...	384
3841	Shipbuilding, repair..	1.9	1.3	...	...	...	3841
3843	Motor vehicles	37.0	93.5	...	...	...	3843
385	Professional goods	12.6	25.7	...	...	...	385
390	Other industries	28.0	68.9	...	...	...	390
3	Manufacturing ..... b/	1635.6	4139.2	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.
b/ Excluding canning, preserving and processing of fish and crustacea, extraction of fish and other marine animal oils, production of fish meal.

10. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	98	83	93	92	103	116	110	92	92	-1.0	311/2
313	Beverages	97	97	90	101	150	184	146	103	103	0.4	313
314	Tobacco	107	95	94	83	99	90	68	64	71	-4.2	314
321	Textiles	108	92	98	113	121	134	126	116	100	0.0	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	105	94	102	93	102	114	112	85	...	b/ -1.8	322
323	Leather and products ...	79	69	64	59	74	81	69	51	44	-9.8	323
324	Footwear	72	53	52	53	57	60	38	15	...	b/ -19.0	324
331	Wood products	97	58	64	70	85	108	106	54	51	-8.1	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	68	61	62	57	70	84	82	43	49	-8.5	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	112	84	96	96	99	116	127	71	...	b/ -3.7	342
351	Industrial chemicals ...	93	70	88	89	106	118	108	79	77	-3.2	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	88	76	65	73	98	128	111	71	73	-3.9	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[104	98	110	108	111	122	119	101	99	-0.1]	353
354	Petroleum,coal products.											354
355	Rubber products	93	74	83	82	95	105	86	72	71	-4.2	355
356	Plastic products n.e.c..	113	84	88	92	123	138	104	66	52	-7.8	356
361	Pottery,china etc	98	72	46	84	111	126	147	96	89	-1.4	361
362	Glass and products	101	73	72	62	89	110	102	60	58	-6.6	362
369	Non-metal products n.e.c	85	74	66	63	82	129	102	73	74	-3.7	369
371	Iron and steel	77	68	82	87	107	129	103	76	66	-5.1	371
372	Non-ferrous metals	99	89	98	103	93	91	70	89	78	-3.1	372
381	Metal products	75	50	53	56	79	113	71	39	37	-11.7	381
382	Machinery n.e.c.	84	48	38	41	80	84	63	39	45	-9.5	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	87	60	64	78	104	128	93	61	63	-5.6	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	86	32	34	45	69	88	58	33	39	-11.1	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	100	106	104	91	119	162	140	85	91	-1.2	390
3	Manufacturing	96	78	84	89	105	120	104	84	81	-2.6	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Annual growth rate 1982-1990.

b/ Annual growth rate 1980-1989.

PHILIPPINES

The information in the tables, except for the indices, is based on the reply to the United Nations General Industrial Statistics Questionnaire from the National Census and Statistics Office, National Economic and Development Authority, Manila.

The data in the tables are derived from the annual surveys of mining, manufactures, electricity, gas and water supply carried out by the National Census and Statistics Office, by personal delivery of questionnaires. As a rule, the survey of mining and the survey of electricity, gas and water supply cover all establishments. The survey of manufactures covers establishments with 20 or more workers on a complete enumeration basis and smaller establishments on a probability sampling basis. The data, except for 1987, relate to establishments with 10 or more workers engaged. For 1987, data also include establishments with an average monthly sales or receipts of not less than one million pesos. For 1988, the data are based on the 1988 census of establishments, an undertaking carried out every five years. Adjustments have been made for non-response.

The data are classified according to the present version of the ISIC. The concepts and definitions are generally in accordance with the United Nations standards, although the following points should be noted:

Wages and salaries include severance pay.

Output and value added refer respectively to census output and census value added. Both are valued at producers' prices.

The indices of industrial production are compiled by the Central Bank of the Philippines and are provided in response to the United Nations Questionnaire on Indices of Industrial Production.

Related national publications:

Annual Survey of Manufactures (annual), published by the National Census and Statistics Office, National Economic and Development Authority, Manila. Statistical Bulletin (quarterly), published by the Central Bank of the Philippines, Manila.

PHILIPPINES

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER) a/ 1986	b/ 1987	c/ 1988	1989	1990	2. AVERAGE NUMBER OF PERSONS ENGAGED (THOUSANDS) a/ 1986	b/ 1987	c/ 1988	1989	1990	ISIC
210	Coal mining	21	17	25	23	...	6.9	6.2	4.9	4.6	...	210
220	Petroleum and gas	11	11	13	15	...	0.3	0.5	0.3	0.3	...	220
230	Metal ore mining	33	35	80	51	...	41.1	41.2	45.9	44.1	...	230
290	*Other mining	*100*	*87*	*188*	*178*	...	*4.0*	*4.0*	*3.9*	*3.7*	...	290
2	*Mining, quarrying .*	*165*	*150*	*306*	*267*	...	*52.3*	*51.9*	*55.0*	*52.7*	...	*2*
311/2	*Food products	*1263*	*1165*	*3070*	...	...	*122.9*	*132.8*	*161.1*	...	...	*311/2*
313	Beverages	88	80	103	...	...	26.7	27.2	30.2	...	...	313
314	Tobacco	25	25	32	...	...	12.3	12.9	14.3	...	...	314
321	Textiles	305	297	547	...	...	70.6	76.8	89.4	...	...	321
3211	Spinning,weaving etc..	113	116	185	...	...	46.5	49.9	58.8	...	...	3211
322	Wearing apparel	426	424	1556	...	...	91.8	101.8	142.1	...	...	322
323	Leather and products ...	41	39	120	...	...	2.2	2.9	5.1	...	...	323
324	Footwear	124	111	441	...	...	8.6	6.5	9.5	...	...	324
331	Wood products	270	254	682	...	...	44.5	44.7	56.4	...	...	331
332	Furniture, fixtures	253	231	678	...	...	21.9	27.0	41.2	...	...	332
341	Paper and products	101	106	176	...	...	11.5	11.7	15.4	...	...	341
3411	Pulp,paper etc.	23	19	36	...	...	5.4	5.0	7.0	...	...	3411
342	Printing,publishing	380	366	636	...	...	16.5	16.9	20.3	...	...	342
351	Industrial chemicals ...	86	89	115	...	...	8.8	9.0	10.8	...	...	351
3511	Basic excl fertilizers	55	56	67	...	...	4.6	4.3	4.4	...	...	3511
3513	Synthetic resins etc .	15	15	22	...	...	1.7	1.6	2.4	...	...	3513
352	Other chemical products.	214	206	301	...	...	24.5	24.7	29.7	...	...	352
3522	Drugs and medicines ..	70	69	98	...	...	12.7	12.1	14.0	...	...	3522
353	Petroleum refineries ...	4	4	4	...	...	2.4	2.4	2.4	...	...	353
354	Petroleum,coal products.	8	7	16	...	...	0.4	0.4	0.6	...	...	354
355	Rubber products	110	106	174	...	...	18.6	22.7	26.1	...	...	355
356	Plastic products n.e.c..	168	167	300	...	...	12.2	13.4	17.6	...	...	356
361	Pottery,china etc	21	22	59	...	...	2.9	3.6	5.0	...	...	361
362	Glass and products	25	21	35	...	...	4.4	5.1	5.7	...	...	362
369	Non-metal products n.e.c d/	144	131	353	...	...	7.6	7.8	11.2	...	...	369
371	Iron and steel	108	99	127	...	...	15.4	14.3	15.5	...	...	371
372	Non-ferrous metals	30	22	35	...	...	2.9	2.5	2.6	...	...	372
381	Metal products ..... e/	266	258	483	...	...	16.7	18.2	21.7	...	...	381
382	Machinery n.e.c. ..... f/	316	300	552	...	...	12.6	12.5	18.5	...	...	382
3825	Office,computing etc..	5	6	24	...	...	0.3	0.3	1.1	...	...	3825
383	Electrical machinery ... f/	159	151	214	...	...	40.1	43.4	54.3	...	...	383
3832	Radio,television etc..	60	59	84	...	...	28.7	31.1	39.2	...	...	3832
384	Transport equipment	158	145	230	...	...	11.4	12.5	14.0	...	...	384
3841	Shipbuilding, repair..	38	42	52	...	...	4.3	4.2	5.1	...	...	3841
3843	Motor vehicles	17	11	24	...	...	2.4	2.6	3.6	...	...	3843
385	Professional goods	13	12	11	...	...	3.4	3.1	3.6	...	...	385
390	Other industries	141	138	385	...	...	14.6	12.7	24.4	...	...	390
3	Manufacturing	5294	5000	11488	...	...	635.4	675.2	856.9	...	...	3
410	Electricity,gas,steam ..	178	175	213	201	...	39.3	40.0	41.2	44.3	...	410
4101	Electricity	173	171	209	197	...	38.1	39.0	40.2	43.4	...	4101
420	Water works and supply .	143	142	282	279	...	13.6	12.1	15.0	16.1	...	420
4	Electricity,gas etc	321	317	495	480	...	52.9	52.1	57.1	60.4	...	4
2-4	All industry	5770	5467	12289	...	...	740.3	779.2	969.0	...	...	2-4

a/ Establishments with 10 or more persons engaged.
b/ Establishments with 10 or more persons engaged or with an average monthly sales or receipts of not less than one million pesos.
c/ Manufacturing: establishments with 10 or more persons engaged. d/ Manufacture of cement is not included in major group 369.
e/ Manufacture of furniture and fixture primarily of metal is not included in major group 381.
f/ Electric household refrigerators are included in major group 383.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES (THOUSANDS) a/ 1986	b/ 1987	c/ 1988	1989	1990	4. WAGES AND SALARIES OF EMPLOYEES d/ (MILLION PESOS) a/ 1986	b/ 1987	c/ 1988	1989	1990	ISIC
210	Coal mining	6.9	6.2	4.9	4.6	...	185	165	169	173	...	210
220	Petroleum and gas	0.3	0.5	0.3	0.3	...	37	49	53	63	...	220
230	Metal ore mining	41.1	41.2	45.8	44.1	...	1188	1469	1955	2140	...	230
290	Other mining	3.9	3.9	3.7	3.5	...	56	55	93	103	...	290
2	Mining, quarrying .	52.2	51.8	54.7	52.5	...	1467	1738	2270	2479	...	2
311/2	Food products	122.9	131.0	156.6	...	...	3177	4423	4334	...	...	311/2
313	Beverages	26.7	27.2	30.2	...	...	939	1325	1119	...	...	313
314	Tobacco	12.3	12.9	14.3	...	...	306	389	319	...	...	314
321	Textiles	70.5	76.7	89.1	...	...	1377	1830	1934	...	...	321
3211	Spinning,weaving etc..	46.5	49.8	58.7	...	...	925	1199	1290	...	...	3211
322	Wearing apparel	91.2	101.2	140.2	...	...	1980	2500	3061	...	...	322
323	Leather and products ...	2.2	2.9	5.0	...	...	30	46	90	...	...	323
324	Footwear	8.4	6.3	8.7	...	...	131	115	123	...	...	324
331	Wood products	44.3	44.6	55.7	...	...	805	1043	1162	...	...	331
332	Furniture, fixtures	21.6	26.8	40.5	...	...	336	492	735	...	...	332
341	Paper and products	11.5	11.7	15.3	...	...	308	371	532	...	...	341
3411	Pulp,paper etc.	5.4	5.0	7.0	...	...	146	169	288	...	...	3411
342	Printing,publishing	16.2	16.7	19.7	...	...	424	514	508	...	...	342
351	Industrial chemicals ...	8.8	9.0	10.8	...	...	333	505	474	...	...	351
3511	Basic excl fertilizers	4.5	4.3	4.4	...	...	163	214	194	...	...	3511
3513	Synthetic resins etc .	1.7	1.6	2.4	...	...	65	85	113	...	...	3513
352	Other chemical products.	24.4	24.6	29.6	...	...	1522	1872	1777	...	...	352
3522	Drugs and medicines ..	12.7	12.1	14.0	...	...	876	1060	918	...	...	3522
353	Petroleum refineries ...	2.4	2.4	2.4	...	...	283	433	268	...	...	353
354	Petroleum,coal products.	0.4	0.3	0.6	...	...	11	12	20	...	...	354
355	Rubber products	18.6	22.6	26.1	...	...	485	669	892	...	...	355
356	Plastic products n.e.c..	12.1	12.4	17.5	...	...	249	349	417	...	...	356
361	Pottery,china etc	2.9	3.5	5.0	...	...	68	100	137	...	...	361
362	Glass and products	4.4	5.1	5.7	...	...	189	287	226	...	...	362
369	Non-metal products n.e.c e/	7.4	7.6	10.8	...	...	136	180	227	...	...	369
371	Iron and steel	15.4	14.3	15.4	...	...	499	581	476	...	...	371
372	Non-ferrous metals	2.9	2.5	2.6	...	...	97	119	103	...	...	372
381	Metal products ..... f/	16.3	18.1	21.4	...	...	346	467	475	...	...	381
382	Machinery n.e.c. ..... g/	12.3	12.3	18.1	...	...	271	343	437	...	...	382
3825	Office,computing etc..	0.3	0.3	1.1	...	...	16	25	43	...	...	3825
383	Electrical machinery ... g/	40.0	43.3	54.3	...	...	1283	1787	2149	...	...	383
3832	Radio,television etc..	28.7	31.1	39.2	...	...	926	1338	1642	...	...	3832
384	Transport equipment	11.3	12.4	13.9	...	...	303	386	414	...	...	384
3841	Shipbuilding, repair..	4.3	4.2	5.1	...	...	110	157	149	...	...	3841
3843	Motor vehicles	2.4	2.6	3.5	...	...	82	98	124	...	...	3843
385	Professional goods	3.4	3.1	3.6	...	...	90	79	93	...	...	385
390	Other industries	14.4	12.6	23.8	...	...	299	358	521	...	...	390
3	Manufacturing	629.9	671.0	845.0	...	...	16484	21847	30372	...	...	3
410	Electricity,gas,steam ..	39.3	40.0	41.1	44.3	...	2251	2549	2934	3491	...	410
4101	Electricity	38.1	39.0	40.2	43.4	...	2181	2494	2863	3412	...	4101
420	Water works and supply .	13.6	12.1	15.9	16.0	...	329	429	558	721	...	420
4	Electricity,gas etc	52.9	52.1	57.0	60.3	...	2580	2978	3492	4212	...	4
2-4	All industry	735.0	774.9	956.7	...	...	20531	26563	36134	...	...	2-4

a/ Establishments with 10 or more persons engaged.
b/ Establishments with 10 or more persons engaged or with an average monthly sales or receipts of not less than one million pesos.
c/ Manufacturing: establishments with 10 or more persons engaged. d/ Including severance pay.
e/ Manufacture of cement is not included in major group 369.
f/ Manufacture of furniture and fixture primarily of metal is not included in major group 381.
g/ Electric household refrigerators are included in major group 383.

PHILIPPINES

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES (THOUSANDS) a/ 1986	b/ 1987	c/ 1988	1989	1990	6. WAGES AND SALARIES OF OPERATIVES d/ (MILLION PESOS) a/ 1986	b/ 1987	c/ 1988	1989	1990	ISIC
210	Coal mining	4.8	4.9	4.1	4.0	...	107	113	120	129	...	210
220	Petroleum and gas	0.1	0.1	-	-	...	7	7	-	-	...	220
230	Metal ore mining	26.6	28.0	26.8	26.1	...	674	884	1046	1183	...	230
290	Other mining	3.0	3.0	2.7	2.7	...	40	34	50	74	...	290
2	Mining, quarrying .	34.5	36.0	33.6	32.8	...	828	1039	1217	1386	...	2
311/2	Food products	83.8	92.2	111.8	...	...	1795	2278	2527	...	...	311/2
313	Beverages	11.7	11.6	12.6	...	...	350	468	347	...	...	313
314	Tobacco	10.6	11.2	12.3	...	...	238	257	249	...	...	314
321	Textiles	57.9	64.4	75.0	...	...	943	1229	1422	...	...	321
3211	Spinning,weaving etc..	38.1	42.0	49.2	...	...	674	797	928	...	...	3211
322	Wearing apparel	80.2	88.7	120.9	...	...	1595	1874	2423	...	...	322
323	Leather and products ...	1.8	2.4	4.2	...	...	21	34	66	...	...	323
324	Footwear	7.3	5.4	7.8	...	...	96	84	104	...	...	324
331	Wood products	33.5	35.5	45.8	...	...	563	720	859	...	...	331
332	Furniture, fixtures	18.7	22.4	35.6	...	...	256	348	572	...	...	332
341	Paper and products	8.3	8.7	11.3	...	...	189	212	345	...	...	341
3411	Pulp,paper etc.	4.2	3.7	5.2	...	...	97	102	194	...	...	3411
342	Printing,publishing	10.7	11.3	13.0	...	...	222	257	267	...	...	342
351	Industrial chemicals ...	4.3	3.7	4.5	...	...	113	140	158	...	...	351
3511	Basic excl fertilizers	2.1	1.9	2.1	...	...	59	67	75	...	...	3511
3513	Synthetic resins etc .	0.8	0.7	1.3	...	...	24	28	48	...	...	3513
352	Other chemical products.	9.6	10.2	12.4	...	...	394	481	507	...	...	352
3522	Drugs and medicines ..	3.2	3.2	3.9	...	...	164	194	193	...	...	3522
353	Petroleum refineries ...	1.4	1.1	1.0	...	...	115	99	76	...	...	353
354	Petroleum,coal products.	0.2	0.2	0.3	...	...	4	4	6	...	...	354
355	Rubber products	12.4	16.7	21.0	...	...	267	373	582	...	...	355
356	Plastic products n.e.c..	9.4	10.3	13.8	...	...	147	193	268	...	...	356
361	Pottery,china etc	2.3	2.8	4.0	...	...	39	62	97	...	...	361
362	Glass and products	2.9	3.7	3.9	...	...	126	178	140	...	...	362
369	Non-metal products n.e.c e/	5.8	5.9	8.1	...	...	79	100	130	...	...	369
371	Iron and steel	8.8	9.1	11.3	...	...	...	258	290	...	...	371
372	Non-ferrous metals	2.1	1.7	1.8	...	...	50	59	58	...	...	372
381	Metal products ..... f/	12.7	14.0	17.1	...	...	196	255	299	...	...	381
382	Machinery n.e.c. ..... g/	9.2	9.3	13.6	...	...	144	161	263	...	...	382
3825	Office,computing etc..	0.2	0.2	0.8	...	...	4	8	21	...	...	3825
383	Electrical machinery ... g/	28.5	32.1	43.4	...	...	695	925	1258	...	...	383
3832	Radio,television etc..	21.1	22.9	31.5	...	...	500	680	941	...	...	3832
384	Transport equipment	7.7	7.9	10.1	...	...	148	178	227	...	...	384
3841	Shipbuilding, repair..	3.2	3.2	3.7	...	...	62	83	80	...	...	3841
3843	Motor vehicles	1.4	1.5	2.6	...	...	39	29	66	...	...	3843
385	Professional goods	2.5	2.3	2.7	...	...	54	44	60	...	...	385
390	Other industries	12.5	10.3	19.9	...	...	225	256	400	...	...	390
3	Manufacturing	460.9	499.5	645.0	...	...	9461	11664	14134	...	...	3
410	Electricity,gas,steam ..	25.7	24.6	17.3	18.0	...	1180	1657	909	973	...	410
4101	Electricity	24.9	23.9	16.6	17.2	...	1144	1627	865	918	...	4101
420	Water works and supply .	10.0	8.2	7.4	7.1	...	223	296	259	306	...	420
4	Electricity,gas etc	35.7	32.8	24.7	25.1	...	1403	1953	1168	1280	...	4
2-4	All industry	531.1	568.3	703.3	...	...	11692	14656	16519	...	...	2-4

a/ Establishments with 10 or more persons engaged.
b/ Establishments with 10 or more persons engaged or with an average monthly sales or receipts of not less than one million pesos.
c/ Manufacturing: establishments with 10 or more persons engaged. d/ Including severance pay.
e/ Manufacture of cement is not included in major group 369.
f/ Manufacture of furniture and fixture primarily of metal is not included in major group 381.
g/ Electric household refrigerators are included in major group 383.

ISIC	INDUSTRY	7. HOURS WORKED BY OPERATIVES (MILLIONS) a/ 1986	b/ 1987	c/ 1988	1989	1990	8. QUANTITY OF ELECTRICITY CONSUMED (MILLION KWH) a/ 1986	b/ 1987	c/ 1988	1989	1990	ISIC
210	Coal mining	11.6	12.3	11.2	10.1	...	...	...	92	...	...	210
220	Petroleum and gas	0.3	0.2	-	-	...	...	...	1	...	...	220
230	Metal ore mining	68.2	85.8	70.4	69.8	...	...	...	1908	...	...	230
290	Other mining	5.9	5.7	5.2	6.0	...	...	...	8	...	...	290
2	Mining, quarrying .	86.1	104.0	86.8	85.9	...	...	...	2009	...	...	2
311/2	Food products	211.3	247.1	292.2	...	...	960	1379	1053	...	...	311/2
313	Beverages	31.9	31.2	33.1	...	...	154	314	340	...	...	313
314	Tobacco	25.5	25.3	31.4	...	...	68	145	75	...	...	314
321	Textiles	139.6	157.8	190.6	...	...	455	980	668	...	...	321
3211	Spinning,weaving etc..	90.1	103.1	122.7	...	...	384	825	584	...	...	3211
322	Wearing apparel	213.6	240.6	310.6	...	...	69	165	112	...	...	322
323	Leather and products ...	4.4	5.7	10.6	...	...	3	6	8	...	...	323
324	Footwear	15.2	12.6	18.8	...	...	9	14	5	...	...	324
331	Wood products	79.9	88.2	113.1	...	...	203	215	591	...	...	331
332	Furniture, fixtures	46.9	59.4	91.7	...	...	11	25	21	...	...	332
341	Paper and products	21.5	24.2	33.6	...	...	526	368	303	...	...	341
3411	Pulp,paper etc.	10.2	10.2	16.7	...	...	498	292	246	...	...	3411
342	Printing,publishing	25.8	27.8	33.5	...	...	27	64	38	...	...	342
351	Industrial chemicals ...	11.0	9.8	11.9	...	...	418	581	507	...	...	351
3511	Basic excl fertilizers	5.6	5.3	5.6	...	...	293	339	311	...	...	3511
3513	Synthetic rosins etc .	2.0	1.9	3.7	...	...	26	72	47	...	...	3513
352	Other chemical products.	24.5	23.4	31.5	...	...	107	232	145	...	...	352
3522	Drugs and medicines ..	8.5	7.6	9.9	...	...	36	91	43	...	...	3522
353	Petroleum refineries ...	3.4	3.7	3.6	...	...	87	167	122	...	...	353
354	Petroleum,coal products.	0.6	0.6	0.9	...	...	1	2	2	...	...	354
355	Rubber products	31.1	43.0	48.9	...	...	64	168	142	...	...	355
356	Plastic products n.e.c..	24.5	27.5	37.8	...	...	78	210	147	...	...	356
361	Pottery,china etc	5.7	7.1	11.1	...	...	10	27	19	...	...	361
362	Glass and products	8.8	10.2	12.7	...	...	67	148	90	...	...	362
369	Non-metal products n.e.c d/	13.7	14.0	20.3	...	...	37	123	43	...	...	369
371	Iron and steel	23.5	23.8	30.6	...	...	690	720	988	...	...	371
372	Non-ferrous metals	5.1	4.4	4.8	...	...	96	197	94	...	...	372
381	Metal products ..... e/	32.2	32.7	45.1	...	...	43	91	61	...	...	381
382	Machinery n.e.c. ..... f/	21.4	21.4	33.8	...	...	20	48	45	...	...	382
3825	Office,computing etc..	0.5	0.6	1.9	...	...	2	6	5	...	...	3825
383	Electrical machinery ... f/	68.8	79.5	111.3	...	...	204	436	315	...	...	383
3832	Radio,television etc..	51.9	57.5	80.6	...	...	152	324	239	...	...	3832
384	Transport equipment	17.9	19.9	26.7	...	...	34	70	47	...	...	384
3841	Shipbuilding, repair..	7.5	8.0	10.4	...	...	17	30	23	...	...	3841
3843	Motor vehicles	3.6	4.6	7.0	...	...	6	14	10	...	...	3843
385	Professional goods	3.7	6.0	7.2	...	...	11	12	12	...	...	385
390	Other industries	29.2	27.3	48.7	...	...	19	47	51	...	...	390
3	Manufacturing	1153.9	1284.2	1659.5	...	...	4930	7539	6554	...	...	3
410	Electricity,gas,steam ..	64.0	59.3	42.3	44.1	...	4774	3857	4621	5666	...	410
4101	Electricity	62.1	57.5	40.7	42.4	...	4761	3844	4609	5652	...	4101
420	Water works and supply .	23.9	20.0	18.6	15.8	...	171	131	175	141	...	420
4	Electricity,gas etc	87.9	79.3	60.9	59.9	...	4945	3988	4796	5807	...	4
2-4	All industry	1327.9	1467.5	1807.2	...	...	...	...	13359	...	...	2-4

a/ Establishments with 10 or more persons engaged.
b/ Establishments with 10 or more persons engaged or with an average monthly sales or receipts of not less than one million pesos.
c/ Manufacturing: establishments with 10 or more persons engaged. d/ Manufacture of cement is not included in major group 369.
e/ Manufacture of furniture and fixture primarily of metal is not included in major group 381.
f/ Electric household refrigerators are included in major group 383.

PHILIPPINES

ISIC	INDUSTRY	9. OUTPUT IN PRODUCERS' PRICES (MILLION PESOS) b/					10. VALUE ADDED IN PRODUCERS' PRICES (MILLION PESOS)					ISIC
		a/ 1986	c/ 1987	d/ 1988	1989	1990	a/ 1986	c/ 1987	d/ 1988	1989	1990	
210	Coal mining	719	703	943	1171	...	406	280	577	809	...	210
220	Petroleum and gas	740	638	363	513	...	341	332	264	381	...	220
230	Metal ore mining	12402	16360	20168	18371	...	5994	9117	12502	9492	...	230
290	Other mining	331	266	464	1023	...	177	160	311	848	...	290
2	Mining, quarrying .	14193	17967	21938	21078	...	6918	9889	13654	11530	...	2
311/2	Food products	59861	69594	83367	...	...	18786	16273	25476	...	...	311/2
313	Beverages	15877	19604	25189	...	...	8161	10238	15609	...	...	313
314	Tobacco	13995	15573	16194	...	...	6218	9475	8514	...	...	314
321	Textiles	11584	15325	19556	...	...	2593	3288	6068	...	...	321
3211	Spinning,weaving etc..	8485	10923	14153	...	...	1778	2332	4344	...	...	3211
322	Wearing apparel	6289	9383	15210	...	...	2622	3219	7768	...	...	322
323	Leather and products ...	195	266	531	...	...	49	74	208	...	...	323
324	Footwear	610	474	...	...	...	182	158	254	...	...	324
331	Wood products	6241	7766	10936	...	...	1598	1682	3763	...	...	331
332	Furniture, fixtures	1469	2078	3867	...	...	484	622	1664	...	...	332
341	Paper and products	7851	7255	10247	...	...	3210	2310	3605	...	...	341
3411	Pulp,paper etc.	5670	4303	6287	...	...	2646	1865	2755	...	...	3411
342	Printing,publishing	2917	3559	4166	...	...	863	956	1682	...	...	342
351	Industrial chemicals ...	10333	11788	14433	...	...	3925	2752	5427	...	...	351
3511	Basic excl fertilizers	3103	4196	5237	...	...	966	1336	1647	...	...	3511
3513	Synthetic resins etc .	1322	1592	2833	...	...	421	383	1191	...	...	3513
352	Other chemical products.	16732	20658	30560	...	...	5136	5973	12344	...	...	352
3522	Drugs and medicines ..	7859	9123	13185	...	...	2719	3221	6149	...	...	3522
353	Petroleum refineries ...	38119	44306	44482	...	...	13539	9905	8075	...	...	353
354	Petroleum,coal products.	229	281	512	...	...	41	58	139	...	...	354
355	Rubber products	3337	4314	8428	...	...	1047	1345	3128	...	...	355
356	Plastic products n.e.c..	2783	3954	6698	...	...	600	765	2251	...	...	356
361	Pottery,china etc	349	481	786	...	...	119	208	463	...	...	361
362	Glass and products	1782	3305	3012	...	...	460	947	1782	...	...	362
369	Non-metal products n.e.c e/	1049	1292	1990	...	...	257	315	970	...	...	369
371	Iron and steel	11553	14547	19762	...	...	2000	2660	5115	...	...	371
372	Non-ferrous metals	7718	8057	11937	...	...	97	227	3030	...	...	372
381	Metal products ..... f/	3595	4363	5965	...	...	983	1126	1914	...	...	381
382	Machinery n.e.c. ..... g/	1553	2483	3318	...	...	637	1006	1024	...	...	382
3825	Office,computing etc..	161	411	453	...	...	28	119	80	...	...	3825
383	Electrical machinery ... g/	14102	18952	25628	...	...	3753	4569	7560	...	...	383
3832	Radio,television etc..	10554	14204	18546	...	...	2718	3226	5310	...	...	3832
384	Transport equipment	2606	4361	8895	...	...	788	1211	2510	...	...	384
3841	Shipbuilding, repair..	510	635	808	...	...	235	317	406	...	...	3841
3843	Motor vehicles	1071	2588	6248	...	...	254	555	1306	...	...	3843
385	Professional goods	297	325	375	...	...	150	168	227	...	...	385
390	Other industries	1218	1404	2630	...	...	511	571	1279	...	...	390
3	Manufacturing	247461	298799	385010	...	...	79468	83415	133824	...	...	3
410	Electricity,gas,steam ..	35447	39789	49145	48243	...	9780	8756	20029	19308	...	410
4101	Electricity	34058	38760	48038	46906	...	8652	7861	19149	18161	...	4101
420	Water works and supply .	4101	3859	2707	4725	...	3207	2414	1930	3805	...	420
4	Electricity,gas etc	39548	43648	51853	52968	...	12987	11170	21959	23113	...	4
2-4	All industry	301202	360414	458801	...	...	99373	104474	169437	...	...	2-4

a/ Establishments with 10 or more persons engaged.
b/ The cost of goods sold in the same condition as received has not been deducted.
c/ Establishments with 10 or more persons engaged or with an average monthly sales or receipts of not less than one million pesos.
d/ Manufacturing: establishments with 10 or more persons engaged. e/ Manufacture of cement is not included in major group 369.
f/ Manufacture of furniture and fixture primarily of metal is not included in major group 381.
g/ Electric household refrigerators are included in major group 383.

ISIC	INDUSTRY	11. GROSS FIXED CAPITAL FORMATION TOTAL (MILLION PESOS) a/ 1986	b/ 1987	c/ 1988	1989	1990	12. VALUE OF STOCKS AT END OF PERIOD TOTAL (MILLION PESOS) a/ 1986	b/ 1987	c/ 1988	1989	1990	ISIC
210	Coal mining	140	83	126	194	...	295	245	171	...	...	210
220	Petroleum and gas	64	30	188	253	...	44	36	56	...	...	220
230	Metal ore mining	448	839	1847	1215	...	3074	4078	3753	...	...	230
290	Other mining	62	41	58	68	...	89	71	109	...	...	290
2	Mining, quarrying .	715	993	2219	1730	...	3503	4429	4089	...	...	2
311/2	Food products	1283	1284	3074	...	...	7955	...	11824	...	...	311/2
313	Beverages	202	638	788	...	...	1528	...	2618	...	...	313
314	Tobacco	121	286	45	...	...	1617	...	3212	...	...	314
321	Textiles	382	1234	2035	...	...	3814	...	6023	...	...	321
3211	Spinning,weaving etc..	327	1104	1874	...	...	2885	...	4733	...	...	3211
322	Wearing apparel	194	261	332	...	...	1394	...	2289	...	...	322
323	Leather and products ...	11	25	29	...	...	74	...	164	...	...	323
324	Footwear	16	8	13	...	...	174	...	82	...	...	324
331	Wood products	324	240	355	...	...	1367	...	3107	...	...	331
332	Furniture, fixtures	37	78	110	...	...	249	...	527	...	...	332
341	Paper and products	56	126	198	...	...	1665	...	2769	...	...	341
3411	Pulp,paper etc.	27	59	89	...	...	1089	...	1643	...	...	3411
342	Printing,publishing	64	144	134	...	...	472	...	591	...	...	342
351	Industrial chemicals ...	2017	631	410	...	...	1918	...	3822	...	...	351
3511	Basic excl fertilizers	92	163	133	...	...	663	...	841	...	...	3511
3513	Synthetic resins etc .	13	411	100	...	...	210	...	695	...	...	3513
352	Other chemical products.	496	458	769	...	...	3371	...	6156	...	...	352
3522	Drugs and medicines ..	231	159	420	...	...	1654	...	2676	...	...	3522
353	Petroleum refineries ...	601	1102	518	...	...	5751	...	7491	...	...	353
354	Petroleum,coal products.	5	9	6	...	...	19	...	62	...	...	354
355	Rubber products	95	127	487	...	...	840	...	1467	...	...	355
356	Plastic products n.e.c..	65	102	189	...	...	918	...	1823	...	...	356
361	Pottery,china etc	7	14	72	...	...	134	...	222	...	...	361
362	Glass and products	56	99	184	...	...	557	...	1037	...	...	362
369	Non-metal products n.e.c d/	27	94	119	...	...	422	...	518	...	...	369
371	Iron and steel	1668	821	3206	...	...	2425	...	6409	...	...	371
372	Non-ferrous metals	10	10	211	...	...	1850	...	3125	...	...	372
381	Metal products ..... e/	133	145	199	...	...	1042	...	2075	...	...	381
382	Machinery n.e.c. ..... f/	41	52	183	...	...	476	...	835	...	...	382
3825	Office,computing etc..	11	12	30	...	...	61	...	134	...	...	3825
383	Electrical machinery ... f/	854	1541	1915	...	...	2886	...	4697	...	...	383
3832	Radio,television etc..	608	1217	1528	...	...	1874	...	2514	...	...	3832
384	Transport equipment	56	78	305	...	...	854	...	2295	...	...	384
3841	Shipbuilding, repair..	15	14	66	...	...	131	...	169	...	...	3841
3843	Motor vehicles	24	41	200	...	...	328	...	1537	...	...	3843
385	Professional goods	30	81	14	...	...	11	...	81	...	...	385
390	Other industries	44	42	78	...	...	296	...	607	...	...	390
3	Manufacturing	9147	9846	16104	...	...	44892	...	76844	...	...	3
410	Electricity,gas,steam ..	6374	2454	8617	4772	...	2655	3220	3408	...	...	410
4101	Electricity	6191	2343	8376	4347	...	2165	3038	3226	...	...	4101
420	Water works and supply .	2407	1886	175	2875	...	183	317	502	...	...	420
4	Electricity,gas etc	8781	4340	8792	7647	...	2838	3536	3911	...	...	4
2-4	All industry	18643	15179	27115	...	...	51233	...	84844	...	...	2-4

a/ Establishments with 10 or more persons engaged.
b/ Establishments with 10 or more persons engaged or with an average monthly sales or receipts of not less than one million pesos.
c/ Manufacturing: establishments with 10 or more persons engaged. d/ Manufacture of cement is not included in major group 369.
e/ Manufacture of furniture and fixture primarily of metal is not included in major group 381.
f/ Electric household refrigerators are included in major group 383.

13. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	171	314	368	398	380	338	359	368	504	22.4	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	86	77	67	82	62	74	80	99	77	-3.2	230
290	Other mining ..... b/	103	94	91	81	108	112	110	142	177	7.4	290
2	Mining, quarrying .	91	84	75	85	71	87	90	116	157	5.8	2
311/2	Food products	142	158	229	265	262	285	342	379	410	19.3	311/2
313	Beverages	141	172	267	296	303	388	463	509	581	24.6	313
314	Tobacco	117	166	238	326	242	213	218	233	224	10.6	314
321	Textiles	122	140	178	166	221	256	274	288	289	14.2	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... c/	162	210	242	233	294	367	430	537	558	24.0	322
323	Leather and products ...	125	132	135	141	132	151	177	198	217	10.2	323
324	Footwear ..... c/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	128	140	153	157	117	130	171	185	253	12.3	331
332	Furniture, fixtures	125	214	240	232	248	258	323	401	509	22.6	332
341	Paper and products	110	145	209	170	199	222	260	319	322	15.7	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	141	148	190	270	302	350	400	456	497	22.2	342
351	Industrial chemicals ...	110	145	178	161	160	163	194	209	226	10.7	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	.	. .	...	...	..	...	...	...	...	...	3513
352	Other chemical products			..	...	...	..	..	..	...	...	352
3522	Drugs and medicines	..	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	132	138	187	191	188	196	212	229	331	16.1	354
355	Rubber products	126	144	212	192	222	298	374	400	440	20.3	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc											361
362	Glass and products	128	147	172	173	182	213	256	310	355	17.2	362
369	Non-metal products n.e.c											369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	..	...	...	...	...	...	...	...	...	372
381	Metal products	129	145	337	629	1140	1131	1133	1362	1631	41.8	381
382	Machinery n.e.c.	118	137	190	252	253	251	301	342	413	19.4	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	142	165	231	281	360	435	588	606	678	27.0	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	120	128	131	191	495	728	1185	1387	1413	39.2	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	130	147	243	289	471	464	391	422	452	20.8	390
3	Manufacturing ..... d/	131	153	207	241	291	333	406	472	506	22.5	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	117	126	125	124	128	139	146	150	152	5.4	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry d/e/	128	142	193	231	258	296	358	395	451	20.7	2-4

a/ Annual growth rate 1982-1990.
b/ Stone quarrying, clay and sand pits only.
c/ Major group 324 is included in 322.
d/ Excluding basic metals.
e/ Excluding gas and steam.

POLAND

The information in the tables, except for the indices, is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Central Statistical Office, Warsaw.

The data are derived from the annual statistical reports of enterprises collected by the Central Statistical Office. The number of enterprises covers socialized and non-socialized industries while all other data relate to the socialized industry only. Data are, for the most part, compiled according to the enterprise method and self-financing establishment method.

The data, which are based on the national classification scheme, have been adjusted as far as possible to the ISIC. The concepts and definitions used have been adjusted as far as possible to comply with the United Nations standards, although the following points should be noted:

Number of employees represents annual averages. For part-time employees, the figures have been converted to full-time equivalent numbers.

Wages and salaries relate to average monthly earnings. Value of uniforms is included. Payroll taxes are deducted.

The valuation of output is at constant prices while value added is at current prices.

Gross fixed capital formation includes outlays on non-productive investment (training of staff). The data exclude outlays on capital repairs. Value of sales of fixed assets is not deducted.

The indices of industrial production are compiled by the Central Statistical Office of Poland and are provided in response to the United Nations Questionnaire on Indices of Industrial Production.

Related national publications:

Rocznik Statystyczny Przemyslu (Statistical Yearbook of Industry); Rocznik Statystyczny (Statistical Yearbook); Concise Statistical Yearbook of Poland, all published by the Central Statistical Office, Warsaw.

POLAND

ISIC	INDUSTRY	1. NUMBER OF ENTERPRISES a/c/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED b/d/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	92	93	95	103	95	465	483	480	...	...	210
220	Petroleum and gas	4	4	4	4	4	8	8	8	...	...	220
230	Metal ore mining	11	10	10	16	11	31	30	30	...	...	230
290	Other mining	79	79	90	99	99	58	52	51	...	...	290
2	Mining, quarrying .	186	186	199	222	209	562	573	569	...	...	2
311/2	Food products	762	767	779	839	910	440	441	450	...	...	311/2
313	Beverages	78	77	72	72	84	39	38	37	...	...	313
314	Tobacco	8	7	7	8	18	12	12	11	...	...	314
321	Textiles	370	371	379	407	414	366	360	356	...	...	321
3211	Spinning,weaving etc..	143	142	143	154	155	208	204	199	...	...	3211
322	Wearing apparel	450	460	478	555	524	279	281	283	...	...	322
323	Leather and products ...	102	98	103	106	103	44	44	45	...	...	323
324	Footwear	114	113	115	118	123	118	117	116	...	...	324
331	Wood products	228	229	231	259	256	96	97	95	...	...	331
332	Furniture, fixtures	246	250	250	294	292	133	135	138	...	...	332
341	Paper and products	56	55	55	65	66	51	50	50	...	...	341
3411	Pulp,paper etc.	21	21	21	24	24	36	36	36	...	...	3411
342	Printing,publishing	115	120	122	137	148	47	49	49	...	...	342
351	Industrial chemicals ...	62	61	64	72	65	116	114	112	...	...	351
3511	Basic excl fertilizers	40	39	40	45	40	43	43	42	...	...	3511
3513	Synthetic resins etc .	11	11	12	15	12	40	39	38	...	...	3513
352	Other chemical products.	143	144	152	150	145	73	74	75	...	...	352
3522	Drugs and medicines ..	41	41	44	46	43	27	27	26	...	...	3522
353	Petroleum refineries ...	8	8	8	8	8	16	16	16	...	...	353
354	Petroleum,coal products.	4	5	5	5	5	12	15	14	...	...	354
355	Rubber products	43	45	47	45	45	45	44	44	...	...	355
356	Plastic products n.e.c..	125	125	128	130	135	71	71	73	...	...	356
361	Pottery,china etc	32	32	34	31	34	29	29	29	...	...	361
362	Glass and products	79	81	83	83	85	59	59	58	...	...	362
369	Non-metal products n.e.c	210	219	236	276	323	150	153	154	...	...	369
371	Iron and steel	39	40	41	47	46	159	155	151	...	...	371
372	Non-ferrous metals	22	22	22	23	23	33	32	32	...	...	372
381	Metal products	455	459	472	884	823	243	243	239	...	...	381
382	Machinery n.e.c.	570	585	638	705	720	517	509	500	...	...	382
3825	Office,computing etc..	10	11	12	13	12	15	15	15	...	...	3825
383	Electrical machinery ...	286	297	309	359	355	280	282	281	...	...	383
3832	Radio,television etc..	117	122	130	156	147	136	137	139	...	...	3832
384	Transport equipment	257	267	285	318	324	337	333	324	...	...	384
3841	Shipbuilding, repair..	30	31	31	35	32	49	48	44	...	...	3841
3843	Motor vehicles	85	86	87	87	86	124	123	121	...	...	3843
385	Professional goods	98	98	112	104	108	46	46	45	...	...	385
390	Other industries	260	260	259	280	240	115	118	120	...	...	390
3	Manufacturing	5222	5295	5486	6380	6422	3926	3917	3897	...	...	3
410	Electricity,gas,steam ..	106	108	109	89	102	130	137	139	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc e/	106	108	109	89	102	130	137	139	...	...	4
2-4	All industry e/	5514	5589	5794	6691	6733	4618	4627	4605	...	...	2-4

a/ At 31 December of the year indicated.
b/ Including persons engaged in private industry other than handicrafts.
c/ Socialized and non-socialized industry.
d/ Socialized industry only.
e/ Excluding water works and supply.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/b/ (THOUSAND ZLOTYS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	465	483	480	490	434	52.3	61.7	107.5	376.8	1656.9	210
220	Petroleum and gas	8	8	8	8	8	25.5	29.6	58.3	270.3	1408.1	220
230	Metal ore mining	31	30	30	29	28	47.1	55.9	107.3	386.9	2007.4	230
290	Other mining	56	50	49	48	46	27.2	32.3	60.5	236.2	1175.0	290
2	Mining, quarrying .	560	571	567	575	516	49.1	58.3	102.7	364.1	1629.5	2
311/2	Food products	386	383	387	377	366	22.1	26.8	52.4	217.7	1000.7	311/2
313	Beverages	32	32	30	29	29	22.2	27.3	52.5	222.1	1113.7	313
314	Tobacco	12	12	11	11	10	25.1	30.8	57.0	231.7	1125.6	314
321	Textiles	349	342	335	322	286	22.5	27.9	51.0	201.7	873.7	321
3211	Spinning,weaving etc..	208	203	198	189	164	22.8	28.2	51.7	204.1	885.5	3211
322	Wearing apparel	202	200	194	186	160	20.4	25.7	47.5	178.5	781.5	322
323	Leather and products ...	34	33	33	39	27	22.6	27.7	49.9	193.1	844.9	323
324	Footwear	100	99	97	94	85	21.2	25.8	49.0	188.3	782.7	324
331	Wood products	82	80	76	73	65	21.9	26.4	48.9	199.5	957.1	331
332	Furniture, fixtures	98	97	95	92	77	21.4	26.4	48.6	194.9	851.2	332
341	Paper and products	48	48	47	46	42	22.2	27.3	52.7	207.7	995.4	341
3411	Pulp,paper etc.	36	36	36	35	31	22.8	28.0	54.6	211.8	1030.4	3411
342	Printing,publishing	45	47	46	44	40	26.5	31.8	55.1	195.2	910.2	342
351	Industrial chemicals ...	116	114	111	108	108	24.3	29.9	61.4	238.8	1146.5	351
3511	Basic excl fertilizers	43	43	42	40	44	24.3	29.7	58.7	224.1	1147.5	3511
3513	Synthetic resins etc .	40	39	37	36	33	23.9	29.7	58.4	235.0	1021.4	3513
352	Other chemical products.	64	63	63	69	55	24.1	29.6	56.8	215.2	1078.3	352
3522	Drugs and medicines ..	27	26	26	26	24	24.6	30.2	59.1	213.9	1052.4	3522
353	Petroleum refineries ...	16	16	16	16	16	26.3	31.2	63.8	333.3	1966.5	353
354	Petroleum,coal products.	12	15	14	13	13	31.3	38.1	68.0	286.6	1481.1	354
355	Rubber products	40	39	39	36	34	22.5	27.4	50.3	189.5	883.2	355
356	Plastic products n.e.c..	50	48	47	44	41	22.2	27.7	52.9	201.3	947.6	356
361	Pottery,china etc	26	26	26	24	24	22.5	27.3	47.2	194.0	908.3	361
362	Glass and products	53	51	50	48	45	23.0	28.0	53.2	201.9	953.7	362
369	Non-metal products n.e.c	121	120	117	108	102	23.4	27.9	49.9	198.2	937.1	369
371	Iron and steel	159	155	151	144	136	32.7	38.3	67.0	266.5	1386.0	371
372	Non-ferrous metals	33	32	32	31	30	30.7	37.2	66.5	282.0	1436.6	372
381	Metal products	238	238	233	223	196	22.3	27.5	49.9	195.1	928.7	381
382	Machinery n.e.c.	510	501	490	462	416	26.5	32.1	59.4	218.9	1034.2	382
3825	Office,computing etc..	13	13	13	12	10	25.3	30.9	62.4	228.2	990.1	3825
383	Electrical machinery ...	275	274	271	256	236	24.0	29.5	56.2	209.4	964.0	383
3832	Radio,television etc..	134	133	132	130	118	23.5	28.9	55.4	208.3	914.8	3832
384	Transport equipment	332	327	317	301	276	25.4	31.3	58.3	217.2	1048.4	384
3841	Shipbuilding, repair..	49	48	44	39	35	29.6	36.3	66.0	236.7	1284.4	3841
3843	Motor vehicles	119	117	115	114	106	23.8	29.1	57.0	223.8	1029.9	3843
385	Professional goods	45	44	43	40	37	24.7	30.9	58.7	208.1	957.9	385
390	Other industries	90	91	89	90	62	25.7	31.2	56.1	223.4	985.0	390
3	Manufacturing	3568	3527	3460	3326	3014	24.1	29.4	54.7	212.1	995.5	3
410	Electricity,gas,steam ..	130	137	139	135	137	29.1	33.1	60.5	261.4	1292.5	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc c/	130	137	139	135	137	29.1	33.1	60.5	261.4	1292.5	4
2-4	All industry c/	4258	4235	4166	4036	3667	27.5	33.4	61.4	235.4	1095.9	2-4

a/ Socialized industry only.
b/ Monthly average per employee.
c/ Excluding water works and supply.

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES a/ (THOUSANDS)					6. WAGES AND SALARIES OF OPERATIVES a/b/ (THOUSAND ZLOTYS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	371	385	381	388	378	53.2	63.0	110.1	381.0	1600.0	210
220	Petroleum and gas	4	4	4	4	6	23.3	27.0	53.8	254.4	1329.2	220
230	Metal ore mining	24	24	23	22	24	47.0	55.8	107.6	385.5	1931.3	230
290	Other mining	39	35	34	33	36	26.8	31.6	59.1	235.4	1131.1	290
2	Mining, quarrying .	438	448	442	447	444	50.2	59.9	105.5	369.4	1576.3	2
311/2	Food products	241	240	242	234	278	22.1	26.7	51.6	212.3	958.9	311/2
313	Beverages	21	20	19	19	22	21.2	25.8	50.3	209.3	1027.4	313
314	Tobacco	9	9	8	8	9	25.1	31.2	56.2	228.8	1086.1	314
321	Textiles	274	267	261	248	235	22.0	27.3	49.7	195.1	831.8	321
3211	Spinning,weaving etc..	161	157	153	144	135	22.4	27.6	50.5	198.0	845.7	3211
322	Wearing apparel	164	163	157	147	134	19.8	24.8	46.3	174.1	743.6	322
323	Leather and products ...	26	26	26	24	21	22.1	27.2	48.6	203.0	809.8	323
324	Footwear	82	82	80	76	73	20.7	25.3	47.8	181.2	750.0	324
331	Wood products	60	59	56	53	52	21.6	26.0	47.7	194.5	904.5	331
332	Furniture, fixtures	74	73	72	64	62	21.0	25.7	47.2	181.8	809.0	332
341	Paper and products	37	36	35	35	34	21.8	26.7	51.6	204.3	953.9	341
3411	Pulp,paper etc.	28	28	27	27	26	22.5	27.5	53.4	208.3	988.6	3411
342	Printing,publishing	36	37	36	34	32	25.5	30.6	53.2	187.2	858.0	342
351	Industrial chemicals ...	82	81	78	76	85	23.9	29.5	60.0	235.7	1081.3	351
3511	Basic excl fertilizers	30	29	28	27	34	24.2	29.3	58.1	219.3	1086.8	3511
3513	Synthetic resins etc .	30	29	28	27	27	23.5	29.1	57.1	234.1	973.6	3513
352	Other chemical products.	43	42	42	38	39	23.5	28.8	54.9	207.6	1007.2	352
3522	Drugs and medicines .	18	18	18	17	18	23.9	29.6	57.4	206.4	988.6	3522
353	Petroleum refineries ...	11	10	10	11	12	25.8	30.7	62.5	321.6	1828.4	353
354	Petroleum,coal products.	9	11	11	10	11	31.4	38.4	66.6	287.3	1443.0	354
355	Rubber products	30	29	29	26	27	22.3	27.1	49.5	188.2	843.7	355
356	Plastic products n.e.c..	36	34	33	31	31	21.7	27.0	51.2	194.8	890.6	356
361	Pottery,china etc	21	21	21	19	20	22.3	27.0	46.3	190.2	873.5	361
362	Glass and products	43	41	40	38	38	22.8	28.0	52.7	200.2	919.9	362
369	Non-metal products n.e.c	89	88	85	77	79	23.2	27.7	49.1	194.4	888.1	369
371	Iron and steel	117	116	112	106	113	33.4	38.9	67.6	269.3	1346.1	371
372	Non-ferrous metals	24	24	23	23	24	31.0	37.4	66.6	280.2	1369.1	372
381	Metal products	165	167	157	149	148	22.3	27.5	50.8	213.4	894.7	381
382	Machinery n.e.c.	349	342	331	310	307	27.1	32.7	59.9	209.4	995.5	382
3825	Office,computing etc..	8	8	8	7	7	24.5	30.0	59.9	212.0	904.7	3825
383	Electrical machinery ...	193	191	187	178	175	23.2	28.5	54.3	201.3	904.5	383
3832	Radio,television etc..	96	95	93	92	88	22.3	27.3	52.8	198.5	852.1	3832
384	Transport equipment	232	227	219	206	209	25.5	31.2	57.8	215.3	1009.2	384
3841	Shipbuilding, repair..	34	32	30	25	25	29.7	36.5	65.8	238.1	1223.3	3841
3843	Motor vehicles	85	83	81	81	82	23.9	29.1	56.3	220.2	989.5	3843
385	Professional goods	31	30	29	27	26	24.2	30.1	55.7	179.4	903.3	385
390	Other industries	32	32	30	30	44	21.5	27.0	47.4	198.4	960.9	390
3	Manufacturing	2531	2498	2429	2297	2341	23.8	29.0	53.7	206.9	949.9	3
410	Electricity,gas,steam ..	86	90	91	87	100	28.6	32.8	59.4	257.2	1225.7	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc c/	86	90	91	87	100	28.6	32.8	59.4	257.2	1225.7	4
2-4	All industry c/	3055	3036	2962	2831	2884	27.7	33.7	61.6	234.0	1055.9	2-4

a/ Socialized industry only.
b/ Monthly average per operative.
c/ Excluding water works and supply.

ISIC	INDUSTRY	7. HOURS WORKED BY OPERATIVES a/ (MILLIONS)					8. QUANTITY OF ELECTRICITY CONSUMED a/ (MILLION KWH)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	737	773	767	740	611	10398	10753	10853	10846	9371	210
220	Petroleum and gas	9	9	9	8	8	23	26	34	31	26	220
230	Metal ore mining	46	45	43	40	39	2792	2838	2887	2731	2513	230
290	Other mining	72	62	62	58	53	1029	1057	1087	1058	866	290
2	Mining, quarrying .	864	889	881	846	711	14242	14674	14861	14666	12776	2
311/2	Food products	441	439	446	451	408	2913	2988	3078	2980	2738	311/2
313	Beverages	39	38	36	35	34	284	280	281	283	251	313
314	Tobacco	16	16	15	14	14	42	48	49	44	47	314
321	Textiles	476	465	461	427	350	2586	2611	2678	2535	1937	321
3211	Spinning,weaving etc..	283	275	271	249	199	2029	2006	2057	1952	1440	3211
322	Wearing apparel	288	286	279	252	204	200	169	168	140	132	322
323	Leather and products ...	45	45	45	39	29	70	73	72	70	60	323
324	Footwear	145	143	141	130	107	141	147	152	131	117	324
331	Wood products	111	109	104	95	83	1062	1038	1068	1096	711	331
332	Furniture, fixtures	134	131	131	114	98	372	384	376	350	609	332
341	Paper and products	67	67	65	62	54	2196	2305	2364	2335	2044	341
3411	Pulp,paper etc.	51	51	51	49	42	2156	2264	2323	2296	1979	3411
342	Printing,publishing	58	61	59	53	43	99	106	110	95	94	342
351	Industrial chemicals ...	145	141	139	132	124	10361	10476	10667	10448	8868	351
3511	Basic excl fertilizers	54	52	51	48	45	2761	2687	2677	2615	2284	3511
3513	Synthetic resins etc .	50	49	47	45	40	2598	2566	2591	2511	1951	3513
352	Other chemical products.	77	76	76	67	60	617	627	686	686	605	352
3522	Drugs and medicines ..	32	32	32	31	28	224	248	281	288	262	3522
353	Petroleum refineries ...	19	19	19	19	20	1592	1597	1617	1643	1494	353
354	Petroleum,coal products.	16	22	20	18	17	502	651	704	750	714	354
355	Rubber products	53	51	52	45	39	473	475	482	465	361	355
356	Plastic products n.e.c..	62	60	59	53	46	410	409	420	385	479	356
361	Pottery,china etc	38	38	38	34	32	164	164	189	181	166	361
362	Glass and products	72	72	70	65	60	537	563	557	563	531	362
369	Non-metal products n.e.c	168	166	161	143	126	3050	3178	3151	3157	2511	369
371	Iron and steel	224	220	212	196	181	8916	9076	9075	8593	7967	371
372	Non-ferrous metals	44	43	43	40	37	2471	2477	2470	2495	2220	372
381	Metal products	299	304	290	274	227	1746	1761	1781	1742	1392	381
382	Machinery n.e.c.	655	639	621	560	489	3397	3471	3513	3325	2760	382
3825	Office,computing etc..	15	14	14	13	10	26	26	26	26	22	3825
383	Electrical machinery ...	348	345	341	316	274	1353	1391	1415	1323	1182	383
3832	Radio,television etc..	171	171	169	162	139	588	599	624	603	542	3832
384	Transport equipment	428	425	411	426	317	2409	2143	2129	1977	1402	384
3841	Shipbuilding, repair..	61	65	59	49	45	285	282	262	220	215	3841
3843	Motor vehicles	156	155	151	147	124	1115	1145	1134	1076	557	3843
385	Professional goods	57	56	54	48	39	125	126	130	127	108	385
390	Other industries	58	58	55	77	41	193	163	173	159	111	390
3	Manufacturing	4583	4535	4443	4185	3553	48281	48897	49554	48079	41611	3
410	Electricity,gas,steam ..	166	174	175	162	163	12519	12581	12544	12688	12231	410
4101	Electricity	...	...	...	...	...	11828	12309	12288	12460	12042	4101
420	Water works and supply .	...	...	...	...	...	1654	1858	1953	1980	1943	420
4	Electricity,gas etc	b/ 166	b/ 174	b/ 175	b/ 162	b/ 163	14173	14439	14497	14668	14174	4
2-4	All industry	b/ 5613	b/ 5598	b/ 5499	b/ 5195	b/ 4427	76696	78010	78912	77413	68561	2-4

a/ Socialized industry only.

b/ Excluding water works and supply.

ISIC	INDUSTRY	9. OUTPUT a/b/ (BILLION ZLOTYS)					10. VALUE ADDED a/ (BILLION ZLOTYS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	544	557	550	555	379	348	516	868	1200	9977	210
220	Petroleum and gas	10	9	9	9	8	29	41	103	277	1687	220
230	Metal ore mining	79	82	84	79	73	53	77	146	242	3235	230
290	Other mining	106	101	104	108	92	68	95	153	525	3184	290
2	Mining, quarrying .	739	749	747	751	552	497	730	1271	2243	18083	2
311/2	Food products	c/ 1548	c/ 1589	c/ 1627	c/ 1473	c/ 1008	8	-26	-505	2847	24654	311/2
313	Beverages	594	577	584	570	494	642	811	1392	3968	17465	313
314	Tobacco	69	71	64	72	69	14	33	46	450	3603	314
321	Textiles	612	621	672	699	417	447	567	968	4330	11608	321
3211	Spinning,weaving etc..	384	387	417	424	227	254	335	568	2656	6527	3211
322	Wearing apparel	266	276	305	301	206	143	191	352	1487	4106	322
323	Leather and products ...	72	74	80	83	53	38	50	98	425	1141	323
324	Footwear	124	131	141	132	83	78	103	195	922	2494	324
331	Wood products	156	157	164	173	125	79	102	165	925	3085	331
332	Furniture, fixtures	151	153	173	195	133	86	117	200	902	2916	332
341	Paper and products	109	114	121	118	89	57	85	150	664	3309	341
3411	Pulp,paper etc.	85	89	93	90	68	46	70	121	548	2640	3411
342	Printing,publishing	56	62	68	71	53	41	57	93	312	1574	342
351	Industrial chemicals ...	349	371	396	396	303	130	187	379	1675	10031	351
3511	Basic excl fertilizers	140	147	160	156	115	53	73	149	634	4221	3511
3513	Synthetic resins etc .	95	101	104	108	87	59	83	121	527	2338	3513
352	Other chemical products.	242	254	268	279	184	121	168	309	1228	6169	352
3522	Drugs and medicines ..	93	100	104	93	71	54	77	147	475	2778	3522
353	Petroleum refineries ...	418	426	440	403	311	229	278	611	2153	13480	353
354	Petroleum,coal products.	71	72	69	65	52	11	19	58	123	2363	354
355	Rubber products	92	91	96	97	69	56	66	112	475	1989	355
356	Plastic products n.e.c..	101	105	117	123	98	54	69	127	487	2601	356
361	Pottery,china etc	29	30	33	33	25	25	30	56	256	1021	361
362	Glass and products	71	74	78	84	59	47	64	116	490	2155	362
369	Non-metal products n.e.c	226	234	248	249	183	119	160	261	988	5723	369
371	Iron and steel	589	578	575	532	440	212	288	521	3036	17924	371
372	Non-ferrous metals	287	286	306	306	222	70	122	314	1574	9031	372
381	Metal products	377	395	414	436	302	237	308	522	2311	10266	381
382	Machinery n.e.c.	943	1019	1104	1105	871	615	814	1442	5253	24741	382
3825	Office,computing etc..	37	44	54	59	47	27	37	67	241	662	3825
383	Electrical machinery ...	542	583	651	671	531	325	433	818	3359	13492	383
3832	Radio,television etc..	262	279	316	330	272	158	203	399	1595	5405	3832
384	Transport equipment	680	728	772	727	539	387	521	974	3942	17624	384
3841	Shipbuilding, repair..	89	95	96	77	36	39	60	140	564	2067	3841
3843	Motor vehicles	325	343	364	350	242	179	239	443	1880	7599	3843
385	Professional goods	60	66	72	74	61	49	66	113	393	1641	385
390	Other industries	111	121	133	145	79	84	110	182	705	2454	390
3	Manufacturing	c/ 8947	c/ 9261	c/ 9771	c/ 9612	c/ 7059	4406	5794	10071	45677	218660	3
410	Electricity,gas,steam ..	438	435	433	431	392	174	240	360	1373	14701	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc d/	438	435	433	431	392	174	240	360	1373	14701	4
2-4	All industry d/	c/ 10123	c/ 10445	c/ 10951	c/ 10794	c/ 8003	5077	6764	11702	49294	251444	2-4

a/ Socialized industry only.
b/ At prices of 1984.
c/ Including sea fishing.
d/ Excluding water works and supply.

ISIC	INDUSTRY	11. GROSS FIXED CAPITAL FORMATION TOTAL a/ (BILLION ZLOTYS)					12. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/ (BILLION ZLOTYS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	117	163	251	597	2784	51	77	129	314	1645	210
220	Petroleum and gas	3	4	4	28	175	1	1	1	11	29	220
230	Metal ore mining	14	18	30	76	548	4	6	10	35	271	230
290	Other mining	16	19	32	75	433	6	7	12	29	176	290
2	Mining, quarrying .	149	204	317	776	3939	62	91	153	389	2121	2
311/2	Food products	82	123	242	844	5582	32	55	109	378	2821	311/2
313	Beverages	7	11	19	65	540	4	6	10	37	306	313
314	Tobacco	2	3	4	20	158	1	2	2	10	71	314
321	Textiles	32	42	92	334	1178	24	32	71	266	930	321
3211	Spinning,weaving etc..	21	26	63	230	504	16	18	49	179	399	3211
322	Wearing apparel	8	13	26	88	349	3	7	15	59	265	322
323	Leather and products ...	2	5	12	30	117	1	3	8	18	57	323
324	Footwear	4	6	15	37	138	2	4	11	23	86	324
331	Wood products	8	13	26	100	626	4	7	15	70	464	331
332	Furniture, fixtures	6	8	21	83	395	3	4	13	54	284	332
341	Paper and products	12	15	33	101	847	5	8	21	65	627	341
3411	Pulp,paper etc.	11	13	28	88	763	5	6	16	55	560	3411
342	Printing,publishing	11	14	21	36	339	9	10	16	23	276	342
351	Industrial chemicals ...	28	38	87	293	1691	11	16	48	165	901	351
3511	Basic excl fertilizers	8	10	25	116	196	4	5	17	62	100	3511
3513	Synthetic resins etc .	7	9	25	67	563	3	4	15	33	367	3513
352	Other chemical products.	20	25	38	201	859	8	13	21	122	498	352
3522	Drugs and medicines ..	11	15	23	56	503	5	9	13	34	326	3522
353	Petroleum refineries ...	5	6	15	80	722	3	3	6	25	289	353
354	Petroleum,coal products.	46	36	32	81	148	8	7	5	28	86	354
355	Rubber products	7	7	13	29	131	3	3	8	19	67	355
356	Plastic products n.e.c..	8	11	18	111	384	3	5	8	63	278	356
361	Pottery,china etc	3	5	8	24	111	1	1	5	14	35	361
362	Glass and products	4	7	12	49	354	3	5	8	28	225	362
369	Non-metal products n.e.c	18	25	45	138	687	6	9	16	67	228	369
371	Iron and steel	35	40	63	235	2519	9	15	20	104	1241	371
372	Non-ferrous metals	7	12	25	125	721	3	5	12	54	411	372
381	Metal products	22	35	67	231	1018	11	22	45	152	711	381
382	Machinery n.e.c.	73	111	202	387	1736	43	69	134	259	1224	382
3825	Office,computing etc..	2	4	9	73	58	1	3	7	41	35	3825
383	Electrical machinery ...	37	63	110	331	1318	23	44	75	227	906	383
3832	Radio,television etc..	20	37	59	163	456	13	27	46	106	285	3832
384	Transport equipment	49	92	141	501	5222	24	54	78	233	4104	384
3841	Shipbuilding, repair..	5	7	10	120	119	3	4	6	50	69	3841
3843	Motor vehicles	17	39	62	285	4442	9	28	35	127	3736	3843
385	Professional goods	4	7	13	20	140	3	5	9	15	77	385
390	Other industries	6	9	16	68	185	3	5	10	43	109	390
3	Manufacturing	546	784	1417	4643	28217	252	420	799	2624	17580	3
410	Electricity,gas,steam ..	137	174	295	810	4967	38	47	75	210	1482	410
4101	Electricity	88	114	177	408	4058	30	37	55	142	1414	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc b/	137	174	295	810	4967	38	47	75	210	1482	4
2-4	All industry b/	832	1163	2030	6229	37124	352	558	1026	3224	21183	2-4

a/ Socialized industry only.

b/ Excluding water works and supply.

POLAND

13. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	97	102	104	104	105	107	106	106	71	-4.2	210
220	Petroleum and gas	76	78	81	106	96	94	94	92	76	-3.4	220
230	Metal ore mining	83	86	85	86	86	89	90	86	78	-3.1	230
290	Other mining	90	90	94	104	107	102	104	108	92	-1.0	290
2	Mining, quarrying .	95	99	102	104	104	106	105	106	78	-3.1	2
311/2	Food products	83	90	94	100	104	106	109	97	67	-4.9	311/2
313	Beverages	73	76	78	77	79	76	78	75	66	-5.1	313
314	Tobacco	95	87	85	87	93	96	86	98	93	-0.9	314
321	Textiles	77	78	83	88	89	90	98	102	61	-6.0	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	87	93	101	106	112	116	128	124	85	-2.0	322
323	Leather and products ...	90	103	109	111	113	115	126	131	82	-2.5	323
324	Footwear	93	97	103	112	117	124	133	124	82	-2.5	324
331	Wood products	83	91	96	100	104	104	109	109	80	-2.8	331
332	Furniture, fixtures	92	102	107	114	120	122	137	137	104	0.5	332
341	Paper and products	92	100	102	103	111	116	122	119	91	-1.2	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	87	108	123	136	154	169	187	192	143	4.6	342
351	Industrial chemicals ...	87	94	98	97	101	107	114	115	87	-1.7	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	90	98	104	117	124	130	137	130	92	-1.0	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	83	85	85	82	83	84	87	81	61	-6.0	353
354	Petroleum,coal products.	97	103	103	115	113	115	109	104	82	-2.5	354
355	Rubber products	82	89	96	87	86	86	90	91	62	-5.8	355
356	Plastic products n.e.c..	87	100	106	110	115	121	134	141	111	1.3	356
361	Pottery,china etc	103	116	125	131	135	139	152	158	117	2.0	361
362	Glass and products	94	101	106	106	108	113	118	124	89	-1.4	362
369	Non-metal products n.e.c	82	88	91	84	87	90	96	95	69	-4.5	369
371	Iron and steel	78	83	85	84	87	85	84	78	64	-5.4	371
372	Non-ferrous metals	84	90	95	98	98	98	104	105	76	-3.4	372
381	Metal products	78	82	86	91	96	100	105	108	75	-3.5	381
382	Machinery n.e.c.	92	99	107	116	125	135	146	144	113	1.5	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	87	96	107	116	126	136	152	155	122	2.5	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	82	87	91	94	100	107	113	106	80	-2.8	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	97	105	116	127	141	154	170	168	133	3.6	385
390	Other industries	97	110	123	137	149	162	178	187	101	0.1	390
3	Manufacturing	84	89	94	97	102	105	111	108	80	-2.8	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	105	113	122	128	136	135	135	133	122	2.5	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry b/	85	90	95	99	103	106	111	110	81	-2.6	2-4

a/ Annual growth rate 1982-1990.

b/ Excluding gas and steam.

PORTUGAL

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the National Statistical Institute, Lisbon. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards. Data for the Azores and Madeira islands are included.

The estimates are derived from the annual industrial inquiry carried out by the National Statistical Institute. The inquiry generally covers all mining establishments, irrespective of size, and selected industries in manufacturing. For most of the manufacturing industries included, all establishments are covered but for some the coverage is limited to establishments with 10 or more operatives or meeting other specified criteria. For a few industries, the results are suppressed in conformity with the disclosure rules. A comparison with the 1971 census shows that in that year the annual inquiry covered 31 per cent of the establishments, 70 per cent of employment and 78 per cent of output. For electricity, power stations with a generating capacity of 50 kW or more are included. The data for gas relate to the two operating enterprises, one engaged in production and one engaged in distribution. The industrial activity of steam and water works and supply is not surveyed.

The estimates are compiled according to the national classification which follows the present version of ISIC.

The employment data generally relate to the numbers in the last week of the year. Working proprietors and unpaid family workers are included in the number of persons engaged. Homeworkers are not included in the employment count but payments to homeworkers are included in wages and salaries. Wages and salaries cover all payments made to employees; payments in kind forming part of the basic remuneration are included. Supplements to wages and salaries comprise obligatory and voluntary payments made by the employer in respect of employees, including contributions to social activities and employee facilities. Actual hours worked by operatives are now collected for all industries.

The concept of output for mining is defined as the total ex-establishment value of production and for manufacturing, the total value of products manufactured plus the value of electricity and residues sold and the value of industrial work done for others. Adjustments are made in the value of finished production in respect of changes during the year in work in progress, and the value of own-account capital goods produced is included. The valuation is at ex-establishment price, including indirect taxes and excluding subsidies. Value added is the value of output less the value of materials and energy consumed and for manufacturing, the cost of industrial work done by others, repair and maintenance and non-industrial services.

The estimates of gross fixed capital formation represent the acquisition of new and used fixed assets less sales. Capital work performed by the establishment's own labour force for its own use is included.

The indices of industrial production are compiled by the National Statistical Institute, and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover all establishments.

Related national publications:

Estatisticas Industriais: Volume I, Industrias extractivas, Electricidades Gas e Agua; Volume II, Industrias transformadoras (annual); Anuario Estatistico, all published by the National Statistical Institute, Lisbon.

PORTUGAL

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/b/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	2	2	...	...	...	1.0	0.9	...	...	...	210
220	Petroleum and gas	-	-	...	...	...	-	-	...	...	...	220
230	Metal ore mining	33	20	...	...	...	2.2	1.9	...	...	...	230
290	Other mining	947	835	...	...	...	9.3	9.6	...	...	...	290
2	Mining, quarrying .	982	857	...	...	...	12.5	12.4	...	...	...	2
311/2	Food products	3011	2843	...	...	...	70.7	69.0	...	...	...	311/2
313	Beverages	202	187	...	...	...	8.4	8.4	...	...	...	313
314	Tobacco	8	8	...	...	...	1.9	1.9	...	...	...	314
321	Textiles	1088	1058	...	...	...	138.0	139.8	...	...	...	321
3211	Spinning,weaving etc..	586	544	...	...	...	96.3	96.1	...	...	...	3211
322	Wearing apparel	474	518	...	...	...	47.0	51.2	...	...	...	322
323	Leather and products ...	172	161	...	...	...	5.6	5.8	...	...	...	323
324	Footwear	413	399	...	...	...	24.2	25.1	...	...	...	324
331	Wood products	1902	1837	...	...	...	37.0	36.4	...	...	...	331
332	Furniture, fixtures	542	554	...	...	...	11.4	12.1	...	...	...	332
341	Paper and products	223	215	...	...	...	17.4	16.8	...	...	...	341
3411	Pulp,paper etc.	90	78	...	...	...	11.6	10.8	...	...	...	3411
342	Printing,publishing	907	874	...	...	...	23.0	22.6	...	...	...	342
351	Industrial chemicals ...	172	138	...	...	...	12.2	12.7	...	...	...	351
3511	Basic excl fertilizers	95	85	...	...	...	6.1	5.6	...	...	...	3511
3513	Synthetic resins etc .	28	26	...	...	...	3.5	3.4	...	...	...	3513
352	Other chemical products.	459	444	...	...	...	21.2	21.4	...	...	...	352
3522	Drugs and medicines ..	91	83	...	...	...	7.8	8.0	...	...	...	3522
353	Petroleum refineries ...	3	3	...	...	...	2.2	2.2	...	...	...	353
354	Petroleum,coal products.	2	1	...	...	...	...	...	...	...	...	354
355	Rubber products	140	125	...	...	...	6.7	6.8	...	...	...	355
356	Plastic products n.e.c..	278	268	...	...	...	13.8	13.6	...	...	...	356
361	Pottery,china etc	126	123	...	...	...	14.4	15.0	...	...	...	361
362	Glass and products	98	85	...	...	...	8.0	7.8	...	...	...	362
369	Non-metal products n.e.c	825	786	...	...	...	27.0	26.9	...	...	...	369
371	Iron and steel	86	82	...	...	...	15.0	13.6	...	...	...	371
372	Non-ferrous metals	93	90	...	...	...	3.1	3.1	...	...	...	372
381	Metal products	628	600	...	...	...	35.0	33.4	...	...	...	381
382	Machinery n.e.c.	288	279	...	...	...	20.1	19.0	...	...	...	382
3825	Office,computing etc..	18	18	...	...	...	1.7	1.4	...	...	...	3825
383	Electrical machinery ...	171	168	...	...	...	28.5	28.1	...	...	...	383
3832	Radio,television etc..	39	38	...	...	...	13.0	12.3	...	...	...	3832
384	Transport equipment	233	212	...	...	...	34.5	33.1	...	...	...	384
3841	Shipbuilding, repair..	76	57	...	...	...	16.6	15.7	...	...	...	3841
3843	Motor vehicles	136	120	...	...	...	14.2	13.8	...	...	...	3843
385	Professional goods	27	28	...	...	...	2.7	2.5	...	...	...	385
390	Other industries	52	52	...	...	...	2.3	2.3	...	...	...	390
3	Manufacturing	12623	12135	...	...	...	631.6 c/	631.0 c/	...	...	...	3
410	Electricity,gas,steam ..	615	612	...	...	...	27.7	27.1	...	...	...	410
4101	Electricity	613	610	...	...	...	27.3	26.7	...	...	...	4101
420	Water works and supply .	-	-	...	...	...	-	-	...	...	...	420
4	Electricity,gas etc	615	612	...	...	...	27.7 c/	27.1 c/	...	...	...	4
2-4	All industry	14220	13604	...	...	...	671.8	670.6	...	...	...	2-4

a/ Selected industries; for coverage, see country note.
b/ In the last week of the year indicated.
c/ Excluding major group 354.

SIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/b/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/c/ (MILLION ESCUDOS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
10	Coal mining	1.0	0.9	...	...	...	863	972	...	...	...	210
20	Petroleum and gas	-	-	...	...	...	-	-	...	...	...	220
30	Metal ore mining	2.2	1.9	...	...	...	1585	1295	...	...	...	230
90	Other mining	9.3	9.4	...	...	...	4822	5813	...	...	...	290
	Mining, quarrying .	12.5	12.2	...	...	...	7270	8080	...	...	...	2
11/2	Food products	67.8	65.3	...	...	...	32921	36147	...	...	...	311/2
13	Beverages	8.3	8.3	...	...	...	5070	5930	...	...	...	313
14	Tobacco	1.9	1.9	...	...	...	1592	1695	...	...	...	314
21	Textiles	137.7	139.3	...	...	...	59377	69794	...	...	...	321
211	Spinning,weaving etc..	96.1	95.9	...	...	...	42150	49031	...	...	...	3211
22	Wearing apparel	47.0	51.0	...	...	...	17792	22098	...	...	...	322
23	Leather and products ...	5.5	5.7	...	...	...	2840	3304	...	...	...	323
24	Footwear	24.1	24.9	...	...	...	8771	10515	...	...	...	324
31	Wood products	35.3	34.7	...	...	...	13522	15387	...	...	...	331
32	Furniture, fixtures	11.0	11.7	...	...	...	3611	4507	...	...	...	332
41	Paper and products	17.3	16.7	...	...	...	12880	14531	...	...	...	341
411	Pulp,paper etc.	11.6	10.7	...	...	...	9736	10575	...	...	...	3411
42	Printing,publishing	22.4	22.1	...	...	...	13689	15452	...	...	...	342
51	Industrial chemicals ...	12.1	12.6	...	...	...	11112	13392	...	...	...	351
511	Basic excl fertilizers	6.1	5.6	...	...	...	5654	5880	...	...	...	3511
513	Synthetic resins etc .	3.5	3.4	...	...	...	3224	3826	...	...	...	3513
52	Other chemical products.	19.9	21.1	...	...	...	15493	19200	...	...	...	352
522	Drugs and medicines ..	7.8	7.9	...	...	...	6014	7062	...	...	...	3522
53	Petroleum refineries ...	2.2	2.2	...	...	...	2441	3240	...	...	...	353
54	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
55	Rubber products	6.7	6.6	...	...	...	3991	4585	...	...	...	355
56	Plastic products n.e.c..	13.7	13.5	...	...	...	7304	8442	...	...	...	356
61	Pottery,china etc	14.4	14.9	...	...	...	6888	8597	...	...	...	361
62	Glass and products	7.9	7.7	...	...	...	6012	6522	...	...	...	362
69	Non-metal products n.e.c	27.0	26.5	...	...	...	13908	15827	...	...	...	369
71	Iron and steel	14.9	13.5	...	...	...	11626	12168	...	...	...	371
72	Non-ferrous metals	3.0	3.1	...	...	...	1703	2030	...	...	...	372
81	Metal products	34.7	33.2	...	...	...	18232	21046	...	...	...	381
82	Machinery n.e.c.	20.1	18.9	...	...	...	12559	14281	...	...	...	382
825	Office,computing etc..	1.7	1.3	...	...	...	1108	1364	...	...	...	3825
83	Electrical machinery ...	28.5	28.1	...	...	...	20632	23503	...	...	...	383
832	Radio,television etc..	13.0	12.3	...	...	...	9257	10323	...	...	...	3832
84	Transport equipment	34.4	33.1	...	...	...	24801	27503	...	...	...	384
841	Shipbuilding, repair..	16.6	15.6	...	...	...	13252	14129	...	...	...	3841
843	Motor vehicles	14.2	13.7	...	...	...	9695	11111	...	...	...	3843
85	Professional goods	2.6	2.5	...	...	...	1527	1747	...	...	...	385
90	Other industries	2.3	2.2	...	...	...	970	1084	...	...	...	390
	Manufacturing ..... d/	622.7	622.5	...	...	...	331264	382527	...	...	...	3
10	Electricity,gas,steam ..	27.7	27.1	...	...	...	26628	30970	...	...	...	410
101	Electricity	27.3	26.7	...	...	...	26139	30449	...	...	...	4101
20	Water works and supply .	-	-	...	...	...	-	-	...	...	...	420
	Electricity,gas etc	27.7	27.1	...	...	...	26628	30970	...	...	...	4
-4	All industry d/	662.9	661.8	...	...	...	365162	421577	...	...	...	2-4

/ Selected industries; for coverage, see country note.
/ Including payments to homeworkers.

b/ In the last week of the year indicated.
d/ Excluding major group 354.

PORTUGAL

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES a/ (MILLION ESCUDOS)					6. AVERAGE NUMBER OF OPERATIVES a/b/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	291	312	...	...	...	1.0	0.9	...	...	...	210
220	Petroleum and gas	-	-	...	...	...	-	-	...	...	...	220
230	Metal ore mining	520	431	...	...	...	2.2	1.6	...	...	...	230
290	Other mining	272	268	...	...	...	9.3	8.4	...	...	...	290
2	Mining, quarrying .	1083	1011	...	...	...	12.5	11.0	...	...	...	2
311/2	Food products	10379	11438	...	...	...	55.4	53.2	...	...	...	311/2
313	Beverages	1698	1890	...	...	...	6.6	6.6	...	...	...	313
314	Tobacco	469	547	...	...	...	1.3	1.2	...	...	...	314
321	Textiles	16443	19456	...	...	...	126.2	127.6	...	...	...	321
3211	Spinning,weaving etc..	11815	13903	...	...	...	88.4	88.1	...	...	...	3211
322	Wearing apparel	4947	6036	...	...	...	43.3	47.0	...	...	...	322
323	Leather and products ...	798	893	...	...	...	4.6	4.9	...	...	...	323
324	Footwear	2373	2807	...	...	...	22.2	23.1	...	...	...	324
331	Wood products	4411	4868	...	...	...	31.2	30.8	...	...	...	331
332	Furniture, fixtures	1134	1409	...	...	...	9.7	10.2	...	...	...	332
341	Paper and products	4643	5150	...	...	...	14.2	13.9	...	...	...	341
3411	Pulp,paper etc.	3529	3859	...	...	...	9.5	9.0	...	...	...	3411
342	Printing,publishing	4170	5017	...	...	...	14.9	15.1	...	...	...	342
351	Industrial chemicals ...	4436	5440	...	...	...	8.7	9.2	...	...	...	351
3511	Basic excl fertilizers	2203	2201	...	...	...	4.1	3.9	...	...	...	3511
3513	Synthetic resins etc .	999	1473	...	...	...	2.6	2.5	...	...	...	3513
352	Other chemical products.	5723	7909	...	...	...	11.4	12.3	...	...	...	352
3522	Drugs and medicines ..	2371	2738	...	...	...	4.2	4.1	...	...	...	3522
353	Petroleum refineries ...	1315	1686	...	...	...	1.5	1.5	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	1401	1580	...	...	...	5.6	5.7	...	...	...	355
356	Plastic products n.e.c..	2173	2461	...	...	...	11.4	11.2	...	...	...	356
361	Pottery,china etc	2151	2583	...	...	...	12.9	13.4	...	...	...	361
362	Glass and products	1829	2096	...	...	...	6.8	6.7	...	...	...	362
369	Non-metal products n.e.c	4814	5511	...	...	...	23.1	22.8	...	...	...	369
371	Iron and steel	3490	3814	...	...	...	11.5	10.4	...	...	...	371
372	Non-ferrous metals	489	376	...	...	...	2.6	2.7	...	...	...	372
381	Metal products	6114	6901	...	...	...	28.9	27.7	...	...	...	381
382	Machinery n.e.c.	4207	4862	...	...	...	15.9	15.1	...	...	...	382
3825	Office,computing etc..	452	523	...	...	...	1.4	1.1	...	...	...	3825
383	Electrical machinery ...	8027	9143	...	...	...	22.3	22.2	...	...	...	383
3832	Radio,television etc..	3980	4737	...	...	...	10.4	10.0	...	...	...	3832
384	Transport equipment	8287	8744	...	...	...	28.6	27.8	...	...	...	384
3841	Shipbuilding, repair..	4225	4090	...	...	...	13.6	13.0	...	...	...	3841
3843	Motor vehicles	3442	3857	...	...	...	11.9	11.7	...	...	...	3843
385	Professional goods	486	591	...	...	...	2.4	2.2	...	...	...	385
390	Other industries	294	320	...	...	...	2.0	1.9	...	...	...	390
3	Manufacturing ..... c/	106701	123528	...	...	...	525.2	526.6	...	...	...	3
410	Electricity,gas,steam ..	11432	13068	...	...	...	15.1	14.8	...	...	...	410
4101	Electricity	10899	12505	...	...	...	15.1	14.5	...	...	...	4101
420	Water works and supply .	-	-	...	...	...	-	-	...	...	...	420
4	Electricity,gas etc.	11432	13068	...	...	...	15.1	14.8	...	...	...	4
2-4	All industry ..... c/	119216	137607	...	...	...	552.8	552.4	...	...	...	2-4

a/ Selected industries; for coverage, see country note.
b/ In the last week of the year indicated.
c/ Excluding major group 354.

ISIC	INDUSTRY	7. WAGES AND SALARIES OF OPERATIVES a/ (MILLION ESCUDOS)					8. HOURS WORKED BY OPERATIVES a/ (MILLIONS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	766	855	...	...	...	1.7	1.8	...	...	...	210
220	Petroleum and gas	-	-	...	...	...	-	-	...	...	...	220
230	Metal ore mining	1278	990	...	...	...	3.9	2.9	...	...	...	230
290	Other mining	4278	5220	...	...	...	15.5	16.0	...	...	...	290
2	Mining, quarrying ..	6322	7065	...	...	...	21.1	20.7	...	...	...	2
311/2	Food products	24428	26442	...	...	...	114.3	113.2	...	...	...	311/2
313	Beverages	3670	4300	...	...	...	14.4	14.7	...	...	...	313
314	Tobacco	927	871	...	...	...	2.5	2.2	...	...	...	314
321	Textiles	50070	58699	...	...	...	246.0	248.7	...	...	...	321
3211	Spinning,weaving etc..	36225	42009	...	...	...	170.3	170.4	...	...	...	3211
322	Wearing apparel	14979	18674	...	...	...	83.5	89.8	...	...	...	322
323	Leather and products ...	2239	2574	...	...	...	9.0	9.7	...	...	...	323
324	Footwear	7503	9018	...	...	...	43.3	45.6	...	...	...	324
331	Wood products	11231	12757	...	...	...	62.2	64.3	...	...	...	331
332	Furniture, fixtures	2986	3617	...	...	...	20.3	21.2	...	...	...	332
341	Paper and products	9682	10999	...	...	...	29.3	28.9	...	...	...	341
3411	Pulp,paper etc.	7372	8186	...	...	...	19.7	19.0	...	...	...	3411
342	Printing,publishing	7453	7482	...	...	...	32.0	32.1	...	...	...	342
351	Industrial chemicals ...	7010	8775	...	...	...	18.0	19.1	...	...	...	351
3511	Basic excl fertilizers	3161	3564	...	...	...	8.3	8.0	...	...	...	3511
3513	Synthetic resins etc .	2161	2425	...	...	...	5.4	5.0	...	...	...	3513
352	Other chemical products.	7092	8832	...	...	...	24.3	24.3	...	...	...	352
3522	Drugs and medicines ..	2411	2767	...	...	...	7.7	7.7	...	...	...	3522
353	Petroleum refineries ...	1557	2075	...	...	...	3.1	2.7	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	3163	3628	...	...	...	10.5	10.6	...	...	...	355
356	Plastic products n.e.c..	5441	6322	...	...	...	23.0	22.9	...	...	...	356
361	Pottery,china etc	5744	7118	...	...	...	27.0	28.6	...	...	...	361
362	Glass and products	4850	5267	...	...	...	14.6	14.0	...	...	...	362
369	Non-metal products n.e.c	11234	12746	...	...	...	47.5	46.6	...	...	...	369
371	Iron and steel	7604	8198	...	...	...	22.4	20.7	...	...	...	371
372	Non-ferrous metals	1363	1640	...	...	...	5.4	5.6	...	...	...	372
381	Metal products	15366	16019	...	...	...	60.4	58.0	...	...	...	381
382	Machinery n.e.c.	8818	10101	...	...	...	33.0	31.9	...	...	...	382
3825	Office,computing etc..	703	926	...	...	...	2.0	2.2	...	...	...	3825
383	Electrical machinery ...	14098	16303	...	...	...	45.2	44.4	...	...	...	383
3832	Radio,television etc..	6512	7403	...	...	...	21.1	20.0	...	...	...	3832
384	Transport equipment	19367	21928	...	...	...	54.2	56.4	...	...	...	384
3841	Shipbuilding, repair..	10413	11253	...	...	...	26.0	26.7	...	...	...	3841
3843	Motor vehicles	5582	9014	...	...	...	22.2	26.6	...	...	...	3843
385	Professional goods	1266	1418	...	...	...	5.1	4.8	...	...	...	385
390	Other industries	719	771	...	...	...	4.3	4.1	...	...	...	390
3	Manufacturing .... b/	249860	286575	...	...	...	1054.8	1065.3	...	...	...	3
410	Electricity,gas,steam ..	13784	15949	...	...	...	29.7	27.0	...	...	...	410
4101	Electricity	13532	15686	...	...	...	29.2	26.6	...	...	...	4101
420	Water works and supply .	-	-	...	...	...	-	-	...	...	...	420
4	Electricity,gas etc	13784	15949	...	...	...	29.7	27.0	...	...	...	4
2-4	All industry b/	269966	309588	...	...	...	1105.6	1113.0	...	...	...	2-4

a/ Selected industries; for coverage, see country note.

b/ Excluding major group 354.

PORTUGAL

ISIC	INDUSTRY	9. QUANTITY OF ELECTRICITY CONSUMED a/ (MILLION KWH)					10. OUTPUT IN PRODUCERS' PRICES a/ (BILLION ESCUDOS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	7	8	...	...	...	1.6	1.7	...	...	...	210
220	Petroleum and gas	-	-	...	...	...	-	-	...	...	...	220
230	Metal ore mining	39	32	...	...	...	3.3	2.5	...	...	...	230
290	Other mining	84	85	...	...	...	19.3	23.2	...	...	...	290
2	Mining, quarrying .	130	125	...	...	...	24.2	27.4	...	...	...	2
311/2	Food products	635	605	...	...	...	534.0	592.5	...	...	...	311/2
313	Beverages	86	92	...	...	...	51.0	59.7	...	...	...	313
314	Tobacco	17	14	...	...	...	26.0	31.1	...	...	...	314
321	Textiles	1340	1474	...	...	...	385.0	440.2	...	...	...	321
3211	Spinning,weaving etc..	1164	1272	...	...	...	261.1	294.1	...	...	...	3211
322	Wearing apparel	68	78	...	...	...	110.0	131.3	...	...	...	322
323	Leather and products ...	34	39	...	...	...	35.4	42.8	...	...	...	323
324	Footwear	35	39	...	...	...	66.3	74.3	...	...	...	324
331	Wood products	286	303	...	...	...	97.3	117.6	...	...	...	331
332	Furniture, fixtures	34	39	...	...	...	17.1	23.0	...	...	...	332
341	Paper and products	994	1180	...	...	...	154.0	192.3	...	...	...	341
3411	Pulp,paper etc.	946	1126	...	...	...	121.2	152.3	...	...	...	3411
342	Printing,publishing	60	64	...	...	...	61.2	76.9	...	...	...	342
351	Industrial chemicals ...	1212	1462	...	...	...	197.0	239.7	...	...	...	351
3511	Basic excl fertilizers	763	976	...	...	...	90.9	118.7	...	...	...	3511
3513	Synthetic resins etc .	367	375	...	...	...	70.6	81.1	...	...	...	3513
352	Other chemical products.	69	113	...	...	...	155.5	176.1	...	...	...	352
3522	Drugs and medicines ..	23	25	...	...	...	40.1	51.0	...	...	...	3522
353	Petroleum refineries ...	320	298	...	...	...	270.0	230.1	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	74	79	...	...	...	25.0	28.2	...	...	...	355
356	Plastic products n.e.c..	201	194	...	...	...	50.0	62.1	...	...	...	356
361	Pottery,china etc	158	157	...	...	...	29.2	36.1	...	...	...	361
362	Glass and products	110	144	...	...	...	25.0	32.8	...	...	...	362
369	Non-metal products n.e.c	961	982	...	...	...	97.3	113.4	...	...	...	369
371	Iron and steel	768	562	...	...	...	72.0	77.6	...	...	...	371
372	Non-ferrous metals	63	67	...	...	...	14.2	18.0	...	...	...	372
381	Metal products	223	229	...	...	...	98.3	119.3	...	...	...	381
382	Machinery n.e.c.	70	62	...	...	...	59.0	68.3	...	...	...	382
3825	Office,computing etc..	5	6	...	...	...	7.1	6.3	...	...	...	3825
383	Electrical machinery ...	159	173	...	...	...	130.0	159.0	...	...	...	383
3832	Radio,television etc..	65	68	...	...	...	63.7	74.4	...	...	...	3832
384	Transport equipment	202	187	...	...	...	140.0	172.1	...	...	...	384
3841	Shipbuilding, repair..	83	74	...	...	...	32.1	32.1	...	...	...	3841
3843	Motor vehicles	97	97	...	...	...	99.6	129.2	...	...	...	3843
385	Professional goods	10	12	...	...	...	7.0	8.0	...	...	...	385
390	Other industries	10	10	...	...	...	5.0	5.4	...	...	...	390
3	Manufacturing ..... b/	8199	8658	...	...	...	2911.8	3327.7	...	...	...	3
410	Electricity,gas,steam ..	797	...	...	...	...	4.9 c/	4.9 c/	...	...	...	410
4101	Electricity	763	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	-	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	797	...	...	...	...	...	...	...	...	...	4
2-4	All industry b/	9126	...	...	...	...	...	...	...	...	...	2-4

a/ Selected industries; for coverage, see country note.
b/ Excluding major group 354.
c/ Gas only.

ISIC	INDUSTRY	11. VALUE ADDED IN PRODUCERS' PRICES a/b/ (BILLION ESCUDOS)					12. GROSS FIXED CAPITAL FORMATION TOTAL a/ (MILLION ESCUDOS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	1.5	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	-	-	...	...	...	...	...	...	...	...	220
230	Metal ore mining	2.8	...	...	...	...	...	...	...	...	...	230
290	Other mining	15.0	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	19.3	...	...	...	...	...	...	...	...	...	2
311/2	Food products	97.2	115.5	...	...	...	12631	16632	...	...	...	311/2
313	Beverages	28.5	30.3	...	...	...	3864	4938	...	...	...	313
314	Tobacco	17.2	21.3	...	...	...	1704	2554	...	...	...	314
321	Textiles	147.6	166.5	...	...	...	22604	30234	...	...	...	321
3211	Spinning,weaving etc.	107.3	117.5	...	...	...	16961	21754	...	...	...	3211
322	Wearing apparel	38.0	46.2	...	...	...	3573	5086	...	...	...	322
323	Leather and products	9.2	10.1	...	...	...	908	1888	...	...	...	323
324	Footwear	21.4	22.3	...	...	...	3473	3794	...	...	...	324
331	Wood products	30.4	36.7	...	...	...	4611	7926	...	...	...	331
332	Furniture, fixtures	6.5	8.9	...	...	...	789	1092	...	...	...	332
341	Paper and products	59.8	82.6	...	...	...	16856	23665	...	...	...	341
3411	Pulp,paper etc.	50.3	71.3	...	...	...	14755	21009	...	...	...	3411
342	Printing,publishing	28.8	37.9	...	...	...	2547	5702	...	...	...	342
351	Industrial chemicals	42.9	53.0	...	...	...	4020	6209	...	...	...	351
3511	Basic excl fertilizers	19.9	21.9	...	...	...	2017	3493	...	...	...	3511
3513	Synthetic resins etc	13.8	19.9	...	...	...	1545	2308	...	...	...	3513
352	Other chemical products.	45.8	56.2	...	...	...	4152	6056	...	...	...	352
3522	Drugs and medicines	16.6	21.0	...	...	...	1622	2020	...	...	...	3522
353	Petroleum refineries	-3.0	24.3	...	...	...	1091	1412	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	10.4	12.0	...	...	...	1062	1282	...	...	...	355
356	Plastic products n.e.c.	16.9	21.2	...	...	...	2554	5449	...	...	...	356
361	Pottery,china etc	15.0	20.3	...	...	...	3347	4092	...	...	...	361
362	Glass and products	11.0	16.2	...	...	...	854	12054	...	...	...	362
369	Non-metal products n.e.c	45.9	57.7	...	...	...	9395	6984	...	...	...	369
371	Iron and steel	22.1	28.6	...	...	...	3271	2576	...	...	...	371
372	Non-ferrous metals	3.6	5.1	...	...	...	576	776	...	...	...	372
381	Metal products	40.0	46.9	...	...	...	5212	6745	...	...	...	381
382	Machinery n.e.c.	20.7	27.3	...	...	...	2075	2028	...	...	...	382
3825	Office,computing etc.	1.7	2.5	...	...	...	90	152	...	...	...	3825
383	Electrical machinery	49.3	59.9	...	...	...	5793	8750	...	...	...	383
3832	Radio,television etc.	21.3	24.9	...	...	...	3298	6554	...	...	...	3832
384	Transport equipment	45.4	47.7	...	...	...	4313	4745	...	...	...	384
3841	Shipbuilding, repair.	19.3	16.1	...	...	...	658	1040	...	...	...	3841
3843	Motor vehicles	23.3	28.0	...	...	...	3446	3497	...	...	...	3843
385	Professional goods	2.9	3.5	...	...	...	175	1295	...	...	...	385
390	Other industries	2.1	2.4	...	...	...	225	294	...	...	...	390
3	Manufacturing c/	855.7	1060.8	...	...	...	121675	174258	...	...	...	3
410	Electricity,gas,steam d/	...	...	...	...	...	118	408	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Selected industries; for coverage, see country note.
b/ Manufacturing: net of non-industrial costs.
c/ Excluding major group 354.
d/ Gas only.

PORTUGAL

ISIC	INDUSTRY	13. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/ (MILLION ESCUDOS)					14. VALUE OF STOCKS AT END OF PERIOD TOTAL a/ (BILLION ESCUDOS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	8756	12113	...	...	...	71.28	71.38	...	...	...	311/2
313	Beverages	3374	4184	...	...	...	8.91	9.49	...	...	...	313
314	Tobacco	1481	2099	...	...	...	10.84	9.19	...	...	...	314
321	Textiles	17989	24715	...	...	...	92.68	106.95	...	...	...	321
3211	Spinning,weaving etc..	13841	18416	...	...	...	64.39	74.68	...	...	...	3211
322	Wearing apparel	2395	3212	...	...	...	26.07	28.57	...	...	...	322
323	Leather and products ...	591	1288	...	...	...	10.31	12.57	...	...	...	323
324	Footwear	2313	2450	...	...	...	12.58	13.03	...	...	...	324
331	Wood products	3074	5237	...	...	...	26.91	30.79	...	...	...	331
332	Furniture, fixtures	432	728	...	...	...	6.53	7.06	...	...	...	332
341	Paper and products	13931	20994	...	...	...	25.40	29.21	...	...	...	341
3411	Pulp,paper etc.	12163	18928	...	...	...	21.71	23.77	...	...	...	3411
342	Printing,publishing	2088	4325	...	...	...	9.78	11.48	...	...	...	342
351	Industrial chemicals ...	2970	5183	...	...	...	27.70	28.06	...	...	...	351
3511	Basic excl fertilizers	1498	2962	...	...	...	10.54	9.35	...	...	...	3511
3513	Synthetic resins etc .	1249	1937	...	...	...	11.50	11.38	...	...	...	3513
352	Other chemical products.	2349	4053	...	...	...	25.18	34.06	...	...	...	352
3522	Drugs and medicines ..	1140	1313	...	...	...	8.64	10.75	...	...	...	3522
353	Petroleum refineries ...	1095	1150	...	...	...	30.90	41.00	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	842	515	...	...	...	4.33	5.65	...	...	...	355
356	Plastic products n.e.c..	2126	4030	...	...	...	7.77	9.45	...	...	...	356
361	Pottery,china etc	2550	3013	...	...	...	6.76	6.48	...	...	...	361
362	Glass and products	6683	9691	...	...	...	5.81	6.40	...	...	...	362
369	Non-metal products n.e.c	7586	4175	...	...	...	14.88	14.79	...	...	...	369
371	Iron and steel	3069	2366	...	...	...	20.14	22.41	...	...	...	371
372	Non-ferrous metals	466	603	...	...	...	2.87	3.60	...	...	...	372
381	Metal products	3954	4950	...	...	...	28.57	31.07	...	...	...	381
382	Machinery n.e.c.	1505	1514	...	...	...	43.18	45.62	...	...	...	382
3825	Office,computing etc..	82	134	...	...	...	1.35	0.72	...	...	...	3825
383	Electrical machinery ...	4942	8805	...	...	...	29.55	35.19	...	...	...	383
3832	Radio,television etc..	3063	6349	...	...	...	14.52	16.42	...	...	...	3832
384	Transport equipment	3154	3128	...	...	...	45.61	38.33	...	...	...	384
3841	Shipbuilding, repair..	455	540	...	...	...	27.05	17.46	...	...	...	3841
3843	Motor vehicles	2551	2535	...	...	...	15.55	17.30	...	...	...	3843
385	Professional goods	168	614	...	...	...	2.17	2.42	...	...	...	385
390	Other industries	134	181	...	...	...	0.96	1.03	...	...	...	390
3	Manufacturing ..... b/	100017	135316	...	...	...	597.67	655.28	...	...	...	3
410	Electricity,gas,steam ..	118 c/	408 c/	...	...	...	0.06 d/	0.13 d/	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Selected industries; for coverage, see country note.
b/ Excluding major group 354.
c/ Gas only.
d/ Gas production only.

15. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	101	104	107	134	137	147	128	154	161	6.1	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	90	79	102	111	100	85	102	224	436	20.2	230
290	Other mining	80	82	101	95	85	61	74	74	63	-5.6	290
2	Mining, quarrying .	94	89	100	109	98	86	95	237	422	19.7	2
311/2	Food products	100	105	98	97	100	104	113	116	125	2.8	311/2
313	Beverages	105	105	97	98	102	120	131	152	162	6.2	313
314	Tobacco	104	119	112	117	115	123	118	126	126	2.9	314
321	Textiles ..... b/	99	102	106	118	127	124	125	124	129	3.2	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... b/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	112	124	119	112	126	152	150	165	172	7.0	323
324	Footwear ..... b/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	[92	105	100	106	101	108	118	109	105	0.6]	331
332	Furniture, fixtures											332
341	Paper and products	108	117	124	143	151	152	159	164	165	6.5	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... c/	110	105	112	120	134	137	146	150	161	6.1	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[100	106	94	109	136	125	139	160	175	7.2]	353
354	Petroleum,coal products.											354
355	Rubber products	102	101	108	111	120	125	145	144	138	4.1	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	[									]	361
362	Glass and products	110	114	115	118	127	144	157	163	175	7.2	362
369	Non-metal products n.e.c											369
371	Iron and steel	[112	102	107	104	105	113	121	119	120	2.3]	371
372	Non-ferrous metals											372
381	Metal products	100	92	87	78	91	87	90	90	99	-0.1	381
382	Machinery n.e.c.	140	126	95	90	92	97	103	104	113	1.5	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	116	119	108	116	93	99	107	109	122	2.5	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	106	79	63	63	66	73	77	75	74	-3.7	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing ..... d/	111	114	117	118	118	135	138	142	150	5.2	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	102	117	127	126	132	135	150	173	189	8.3	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry d/	110	114	117	119	128	133	138	144	161	6.1	2-4

a/ Annual growth rate 1982-1990.
b/ Major groups 322 and 324 are included in 321.
c/ Major group 352 is included in 351.
d/ Excluding printing and publishing.

PUERTO RICO

The information in the tables is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Puerto Rico Planning Board, Puerto Rico.

The data in the tables are derived from the census of manufacturing industries. The inquiry covers all establishments with at least one paid employee operating during a specified week of March and carried out directly by field visit of enumerators. Data have been adjusted for non-response.

The data are compiled according to an updated industrial classification system of the United States of America. In the tables, the data have been adjusted to represent the present version of ISIC. The concepts and definitions are generally in accordance with United Nations standards although the following points should be noted:

Number of employees refers to persons who worked or received pay for all or any part of the pay period which includes the 12 March of the year indicated.

Wages and salaries of operatives represent average weekly earnings of production and related workers. Payments for vacations not taken, retroactive pay not earned during the period reported, value of payments in kind and irregualr bonuses and commissions are excluded.

Hours worked by operatives represent the average weekly hours worked or paid for. Overtime hours are excluded.

Value added refers to total value added which is the same as the contribution to the gross domestic product.

Related national publication:

Census of Manuafacturing Industries of Puerto Rico (annual), published by th Puerto Rico Department of Labor and Human Resources, Puerto Rico.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	[267]	237	243	221	212	[23.44]	20.63	20.60	21.04	20.23	311/2
313	Beverages		32	32	35	34		2.87	3.03	3.13	3.16	313
314	Tobacco	10	11	10	9	6	0.81	1.30	1.16	1.18	1.09	314
321	Textiles	23	20	19	16	18	3.48	3.42	3.55	3.84	3.68	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	256	258	249	269	255	32.38	28.93	33.71	32.19	31.24	322
323	Leather and products	[36]	21	18	15	16	[5.58]	1.29	1.58	1.64	1.98	323
324	Footwear		17	16	14	14		4.13	4.35	4.00	4.30	324
331	Wood products	[222]	102	101	100	93	[3.47]	1.09	1.10	1.02	1.11	331
332	Furniture, fixtures		121	114	117	126		2.50	2.40	2.19	2.32	332
341	Paper and products	b/ 154	50	48	46	45	b/ 5.00	2.07	2.11	2.14	2.25	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	b/	106	112	120	118	b/	3.38	3.32	3.49	3.52	342
351	Industrial chemicals c/	176	169	162	163	165	17.81	18.30	19.05	20.55	22.86	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines	...	79	75	77	83	...	14.90	15.38	16.93	18.79	3522
353	Petroleum refineries	[89]	[18	23	26	27]	[5.92]	[1.69	1.57	1.70	1.79]	353
354	Petroleum,coal products.											354
355	Rubber products		15	18	19	18		1.78	2.40	2.48	1.41	355
356	Plastic products n.e.c.		61	64	57	62		2.99	3.26	3.25	3.51	356
361	Pottery,china etc	[149]	9	12	10	8	[4.16]	0.76	0.79	0.79	0.79	361
362	Glass and products		31	31	30	34		1.46	1.37	1.62	1.81	362
369	Non-metal products n.e.c		122	121	127	117		2.30	2.47	2.54	2.54	369
371	Iron and steel	[215]	[18	18	24	21]	[4.16]	[0.56	0.58	0.70	0.72]	371
372	Non-ferrous metals											372
381	Metal products		205	200	196	182		4.18	4.31	4.51	4.46	381
382	Machinery n.e.c.	d/ 89	74	62	68	60	d/ 6.50	5.59	3.94	4.83	4.22	382
3825	Office,computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery	140	131	125	131	122	21.63	20.19	21.93	20.86	20.57	383
3832	Radio,television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	d/	17	19	19	17	d/	0.75	0.71	1.06	1.13	384
3841	Shipbuilding, repair.	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	94	83	86	83	80	14.56	13.71	14.65	14.86	14.80	385
390	Other industries	67	59	58	57	58	3.47	3.31	3.09	3.27	3.21	390
3	Manufacturing	1985	1987	1961	1972	1908	152.38	149.18	157.02	158.89	158.48	3
410	Electricity,gas,steam	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ In a pay period that includes March 12 of the year indicated. b/ Major group 342 is included in 341.
c/ Major group 352 is included in 351. d/ Major group 384 is included in 382.

PUERTO RICO

ISIC	INDUSTRY	3. AVERAGE NUMBER OF OPERATIVES b/ (THOUSANDS)					4. WAGES AND SALARIES OF OPERATIVES a/b/ (THOUSAND DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	[17.04]	15.71	15.49	15.91	14.90	[3484]	3197	3092	3527	3040	311/2
313	Beverages		1.30	1.43	1.40	1.52		365	423	443	505	313
314	Tobacco	0.70	1.16	1.02	1.03	0.94	155	258	230	261	241	314
321	Textiles	3.18	3.10	3.22	3.43	3.29	500	556	549	607	544	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	30.32	26.96	31.68	30.26	29.34	4283	3768	4726	4539	4334	322
323	Leather and products ...	[5.20]	1.20	1.50	1.53	1.88	[819]	193	241	254	307	323
324	Footwear		3.82	4.04	3.76	4.03		591	644	631	678	324
331	Wood products	[2.74]	0.81	0.84	0.79	0.85	[385]	124	141	125	134	331
332	Furniture, fixtures		1.96	1.91	1.73	1.87		279	274	252	289	332
341	Paper and products	c/ 2.81	1.57	1.56	1.58	1.70	c/ 639	335	354	367	400	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	c/	1.60	1.93	1.93	1.89	c/	362	429	466	493	342
351	Industrial chemicals ... d/	12.27	12.35	12.78	14.01	15.86	3833	4018	4373	5063	6187	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. d/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	10.12	10.53	11.64	13.31	...	3467	3739	4361	5434	3522
353	Petroleum refineries ...	[4.54]	[0.97	0.80	0.95	1.12]	[1082]	[362	313	365	406]	353
354	Petroleum,coal products.											354
355	Rubber products		1.60	2.20	2.26	1.21		341	318	411	230	355
356	Plastic products n.e.c..		2.37	2.57	2.55	2.76		578	557	567	637	356
361	Pottery,china etc	[3.15]	0.52	0.53	0.54	0.52	[705]	133	152	181	147	361
362	Glass and products		1.23	1.15	1.34	1.49		285	269	348	369	362
369	Non-metal products n.e.c		1.75	1.85	1.92	1.91		407	439	449	436	369
371	Iron and steel	[3.12]	[0.41	0.43	0.51	0.54]	[679]	[93	109	139	149]	371
372	Non-ferrous metals											372
381	Metal products		3.19	3.28	3.47	3.39		667	706	740	751	381
382	Machinery n.e.c.	e/ 5.09	4.32	3.16	3.83	3.41	e/ 1122	1007	804	1048	863	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	17.76	16.54	18.20	17.49	17.30	4256	3925	4456	4579	4530	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	e/	0.61	0.58	0.79	0.95	e/	123	110	184	218	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	12.13	11.36	12.21	12.49	12.29	2832	2765	2998	3145	3288	385
390	Other industries	2.96	2.82	2.55	2.75	2.70	579	544	520	557	588	390
3	Manufacturing	123.01	119.22	126.90	128.24	127.63	25352	25276	27325	29248	29764	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Weekly average. Excluding payments in kind.
b/ In a pay period that includes March 12 of the year indicated.
c/ Major group 342 is included in 341.
d/ Major group 352 is included in 351.
e/ Major group 384 is included in 382.

ISIC	INDUSTRY	5. HOURS WORKED BY OPERATIVES a/ (THOUSANDS)					6. QUANTITY OF ELECTRICITY CONSUMED (MILLION KWH)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	-	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	734.4	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	-	230
290	Other mining	...	...	...	...	...	...	...	...	...	12.1	290
2	Mining, quarrying	...	...	...	...	...	...	...	...	...	746.5	2
311/2	Food products	[659]	598	579	632	527	...	...	...	...	[309.6]	311/2
313	Beverages		53	57	57	62	...	...	...	...		313
314	Tobacco	27	47	39	41	36	...	...	...	...	20.8	314
321	Textiles	114	123	121	130	117	...	...	...	...	44.5	321
3211	Spinning, weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	1080	938	1172	1111	1052	...	...	...	...	61.2	322
323	Leather and products	[201]	44	57	60	73	...	...	...	...	[18.3]	323
324	Footwear		147	156	143	153	...	...	...	...		324
331	Wood products	[99]	31	34	30	32	...	...	...	...	1.5	331
332	Furniture, fixtures		71	69	62	69	...	...	...	...	4.8	332
341	Paper and products	b/ 115	63	64	64	68	...	...	...	...	23.1	341
3411	Pulp, paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing, publishing	b/	63	75	77	78	...	...	...	...	42.6	342
351	Industrial chemicals c/	515	518	538	596	684	...	...	...	...	891.6	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines	...	428	445	498	580	...	...	...	...	...	3522
353	Petroleum refineries	[182]	[38	32	39	43]	...	...	...	...	314.7	353
354	Petroleum, coal products.						...	...	...	...	...	354
355	Rubber products		63	87	86	45	...	...	...	...	[99.8]	355
356	Plastic products n.e.c.		92	105	102	110	...	...	...	...		356
361	Pottery, china etc	[130]	23	23	26	22	...	...	...	...	[260.1]	361
362	Glass and products		50	46	56	62	...	...	...	...		362
369	Non-metal products n.e.c		73	77	79	74	...	...	...	...		369
371	Iron and steel	[124]	[16	17	21	22]	...	...	...	...	[20.8]	371
372	Non-ferrous metals						...	...	...	...		372
381	Metal products		125	132	139	137	...	...	...	...	52.1	381
382	Machinery n.e.c.	d/ 211	185	137	166	143	...	...	...	...	148.2	382
3825	Office, computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery	742	682	757	736	727	...	...	...	...	215.0	383
3832	Radio, television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	d/	24	23	32	37	...	...	...	...	8.6	384
3841	Shipbuilding, repair	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	498	471	506	520	521	...	...	...	...	156.1	385
390	Other industries	113	106	100	102	106	...	...	...	...	26.4	390
3	Manufacturing	4811	4644	5003	5107	5000	...	...	...	...	2719.8	3
410	Electricity, gas, steam	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity, gas etc	...	...	...	...	...	...	...	...	...	341.8	4
2-4	All industry	...	...	...	...	...	...	...	...	...	3808.1	2-4

a/ Weekly average. Excluding overtime.
b/ Major group 342 is included in 341.
c/ Major group 352 is included in 351.
d/ Major group 384 is included in 382.

PUERTO RICO

7. VALUE ADDED
(MILLION DOLLARS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	230
290	Other mining	15	18	26	28	31	290
2	Mining, quarrying .	15	18	26	28	31	2
311/2	Food products	542	588	613	660	678	311/2
313	Beverages	677	715	761	880	1005	313
314	Tobacco	152	155	169	164	167	314
321	Textiles	39	42	52	49	42	321
3211	Spinning,weaving etc..	...	...	...	...	...	3211
322	Wearing apparel	397	429	497	490	481	322
323	Leather and products ...	[105	92	104	107	119]	323
324	Footwear						324
331	Wood products	[48	59	69	61	56]	331
332	Furniture, fixtures						332
341	Paper and products	58	62	72	85	86	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	104	112	147	138	161	342
351	Industrial chemicals ...	33	29	47	41	38	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	3340	3965	4507	4794	5440	352
3522	Drugs and medicines ..	3130	3774	4249	4381	5024	3522
353	Petroleum refineries ...	147	107	169	229	174	353
354	Petroleum,coal products.	15	24	28	43	43	354
355	Rubber products	...	...	...	...	...	355
356	Plastic products n.e.c..	112	128	171	159	162	356
361	Pottery,china etc	...	...	...	...	...	361
362	Glass and products	132	162	174	174	175	362
369	Non-metal products n.e.c	...	...	...	...	...	369
371	Iron and steel	50	57	65	61	59	371
372	Non-ferrous metals	...	...	...	...	...	372
381	Metal products	101	114	126	115	115	381
382	Machinery n.e.c.	428	461	436	545	698	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ...	1268	1332	1450	1385	1428	383
3832	Radio,television etc..	...	...	...	...	...	3832
384	Transport equipment	36	37	39	48	48	384
3841	Shipbuilding, repair..	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	3843
385	Professional goods	680	712	765	838	929	385
390	Other industries	115	129	98	107	115	390
3	Manufacturing	8549	9483	10513	11133	12181	3
410	Electricity,gas,steam ..	520	549	595	626	697	410
4101	Electricity	511	537	581	608	677	4101
420	Water works and supply .	163	215	201	199	201	420
4	Electricity,gas etc	683	764	796	825	898	4
2-4	All industry	9247	10266	11335	11987	13110	2-4

ROMANIA

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Central Statistical Office, Bucharest. The concepts, definitions and classification by branches of industry are in keeping with national methodology.

The estimates are generally derived from statistical reports on the production of industrial products collected regularly by the Central Statistical Office. For 1989, the coverage for mining and quarrying, and electricity, gas and water is 100 percent. For manufacturing, the data relate to government-owned establishments which represent about 80 percent of production and of value added originating from that sector for the year 1989.

The estimates are based on the national classification. The figures do not include information on publishing, gas and water distribution. Owing to the lack of detail, adjustments have not been made for the following activities: manufacture of wearing apparel of leather and fur (ISIC 322) is included in ISIC 323; cellulose manufacturing (ISIC 351) is included in ISIC 341; machine building industry (ISIC 381-385) is included in ISIC 381-382 combined. Repair services are included in the following industries for all years: manufacture of textiles (ISIC 321), wearing apparel (ISIC 322), leather and leather products and footwear (ISIC 323-324 combined).

The employment estimates relate to the average annual registered number of employees in the socialist sector, excluding employees of industrial units attached to enterprises whose basic activity is non-industrial. Working proprietors and unpaid family workers are not found in the socialist sector. Persons engaged in artisan's shops and small-scale private industry not covered by these estimates account for less than 2 per cent of total employment in industry.

The indices of industrial production are compiled by the Central Statistical Office and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover all industrial establishments.

Related national publication:

Anuarul Statistic al Republicii Socialiste Romania published by the Central Statistical Office, Bucharest.

ROMANIA

ISIC	INDUSTRY	1. NUMBER OF ENTERPRISES a/ (NUMBER) 1986	1987	1988	1989	1990	2. AVERAGE NUMBER OF PERSONS ENGAGED (THOUSANDS) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	[b/	b/	b/	b/	b/	...	...	...	...	99	210
220	Petroleum and gas	74]	80	80	79	80]	...	...	...	...	53	220
230	Metal ore mining	c/	c/	c/	c/	c/	...	...	...	...	72	230
290	Other mining	d/	d/	d/	d/	d/	...	...	...	...	27	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	251	2
311/2	Food products	[					...	...	...	...	[	311/2
313	Beverages	310	316	316	317	335	...	...	...	...	271	313
314	Tobacco	]				]	...	...	...	...	]	314
321	Textiles	189	188	189	188	221	...	...	...	...	418	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	...	...	...	...	...	...	246	322
323	Leather and products ...	[					...	...	...	...	[	323
324	Footwear	40	38	39	38	44]	...	...	...	...	142]	324
331	Wood products	[					...	...	...	...	[	331
332	Furniture, fixtures	79	78	77	79	89]	...	...	...	...	287]	332
341	Paper and products	14	14	14	13	17	...	...	...	...	43	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	16	16	16	16	17	...	...	...	...	21	342
351	Industrial chemicals ... e/	89	87	88	89	97	...	...	...	...	281	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. e/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	b/	b/	b/	b/	b/	...	...	...	...	26	353
354	Petroleum,coal products.	b/	b/	b/	b/	b/	...	...	...	...	7	354
355	Rubber products ..... e/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. e/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	[					...	...	...	...	[	361
362	Glass and products	30	30	30	30	33]	...	...	...	...	66]	362
369	Non-metal products n.e.c	d/ 59	d/ 59	d/ 58	d/ 62	d/ 68	...	...	...	...	10	369
371	Iron and steel	c/ 31	c/ 37	c/ 33	c/ 34	c/ 36	...	...	...	...	146	371
372	Non-ferrous metals	c/ 22	c/ 22	c/ 22	c/ 22	c/ 23	...	...	...	...	28	372
381	Metal products	[f/	f/	f/	f/	f/	...	...	...	...	[g/	381
382	Machinery n.e.c.	332	330	331	335	366]	...	...	...	...	1469]	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	f/	f/	f/	f/	f/	...	...	...	...	g/	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	f/	f/	f/	f/	f/	...	...	...	...	g/	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	f/	f/	f/	f/	f/	...	...	...	...	g/	385
390	Other industries	f/	f/	f/	f/	f/	...	...	...	...	243	390
3	Manufacturing	...	...	...	...	...	...	...	...	...	3704	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	h/ 74	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	i/ 74	4
2-4	All industry	j/ 2048	j/ 2072	j/ 2091	j/ 2102	j/ 2241	j/ 3824	j/ 3895	j/ 3894	j/ 3994	j/ 4029	2-4

Note: For certain deviations in classification, see country note.

a/ Estimates relate to state enterprises under the direction of the central government.
b/ Major groups 353 and 354 are included in 210 and 220 combined. c/ Part of major group 230 is included in 371 and part in 372.
d/ Major group 290 is included in 369. e/ Major groups 352, 355 and 356 are included in 351.
f/ Major groups 383 to 390 are included in 381 and 382 combined. g/ Major groups 383 to 385 are included in 381 and 382 combined.
h/ Excluding gas manufacture and distribution.
i/ Excluding gas manufacture and distribution,and water works and supply.
j/ For industry as a whole, all enterprises of national economy are included.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES b/ (LEI)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	[c/	c/	c/	c/	99	...	...	...	...	4802	210
220	Petroleum and gas	179	200	206	210]	53	...	...	...	...	4121	220
230	Metal ore mining	d/	d/	d/	d/	72	...	...	...	...	4459	230
290	Other mining	e/	e/	e/	e/	27	...	...	...	...	3660	290
2	Mining, quarrying .	...	...	...	...	251	...	...	...	...	4437	2
311/2	Food products	[				]	...	...	...	...	[	] 311/2
313	Beverages	185	182	181	193	256	...	...	...	...	3060	313
314	Tobacco	]				]	...	...	...	...	]	314
321	Textiles	344	343	344	343	414	...	...	...	...	2962	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	...	240	...	...	...	...	2754	322
323	Leather and products ...	[				]	...	...	...	...	[	] 323
324	Footwear	95	98	102	98	141	...	...	...	...	2899	324
331	Wood products	[				]	...	...	...	...	[	] 331
332	Furniture, fixtures	275	285	275	298	287	...	...	...	...	2849	332
341	Paper and products	33	33	34	32	43	...	...	...	...	3298	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	17	17	17	17	21	...	...	...	...	3100	342
351	Industrial chemicals ... f/	208	202	201	207	279	...	...	...	...	3443	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. f/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	c/	c/	c/	c/	26	...	...	...	...	3802	353
354	Petroleum,coal products.	c/	c/	c/	c/	7	...	...	...	...	4420	354
355	Rubber products ..... f/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. f/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	[				]	...	...	...	...	[	] 361
362	Glass and products	56	56	56	58	64	...	...	...	...	3419	362
369	Non-metal products n.e.c	e/ 94	e/ 94	e/ 93	e/ 97	10	...	...	...	...	3644	369
371	Iron and steel	173	164	159	160	146	...	...	...	...	3724	371
372	Non-ferrous metals	94	...	...	...	28	...	...	...	...	3960	372
381	Metal products ..... g/	[				]	...	...	...	...	[	] 381
382	Machinery n.e.c.	1200	1194	1203	1231	1385	...	...	...	...	3377	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... g/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... g/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods ..... g/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	190	...	...	...	...	3270	390
3	Manufacturing	...	...	...	...	3537	...	...	...	...	3224	3
410	Electricity,gas,steam ..	...	...	...	...	h/ 74	...	...	...	...	h/ 4291	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electcicity,gas etc	...	...	...	...	i/ 74	...	...	...	...	i/ 4291	4
2-4	All industry	j/ 3574	j/ 3595	j/ 3607	j/ 3690	j/ 3862	j/ 2836	j/ 2835	j/ 2946	j/ 3037	j/ 3323	2-4

Note: For certain deviations in classification, see country note.

a/ Estimates relate to state enterprises under the direction of the central government.
b/ Monthly average per employee - net.
c/ Major groups 353 and 354 are included in 210 and 220 combined.
d/ Part of major group 230 is included in 371 and part in 372.
e/ Major group 290 is included in 369.
f/ Major groups 352, 355 and 356 are included in 351.
g/ Major groups 383 to 385 are included in 381 and 382 combined.
h/ Excluding gas manufacture and distribution.
i/ Excluding gas manufacture and distribution,and water works and supply.
j/ For industry as a whole, all enterprises of national economy are included.

ROMANIA

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES a/ (THOUSANDS) 1986	1987	1988	1989	1990	6. WAGES AND SALARIES OF OPERATIVES b/ (LEI) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	[c/ 158	c/ 175	c/ 181	c/ 185]	90	...	...	...	...	4727	210
220	Petroleum and gas					46	...	...	...	...	4104	220
230	Metal ore mining	...	...	...	...	64	...	...	...	...	4382	230
290	Other mining	d/	d/	d/	d/	24	...	...	...	...	3597	290
2	Mining, quarrying .	...	...	...	...	224	...	...	...	...	4380	2
311/2	Food products	[					...	...	...	...	[	311/2
313	Beverages	162	159	158	169	230	...	...	...	...	2995	313
314	Tobacco	]				]	...	...	...	...	]	314
321	Textiles	314	313	313	312	379	...	...	...	...	2919	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	...	222	...	...	...	...	2719	322
323	Leather and products ...	[87	90	94	89	130]	...	...	...	...	[2848]	323
324	Footwear						...	...	...	...		324
331	Wood products	[246	256	246	266	259]	...	...	...	...	[2776]	331
332	Furniture, fixtures						...	...	...	...		332
341	Paper and products	29	29	30	29	39	...	...	...	...	3230	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	16	16	16	16	18	...	...	...	...	3056	342
351	Industrial chemicals ... e/	179	173	173	178	243	...	...	...	...	3365	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. e/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	c/	c/	c/	c/	22	...	...	...	...	3669	353
354	Petroleum,coal products.	c/	c/	c/	c/	6	...	...	...	...	4187	354
355	Rubber products ..... e/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. e/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	[50	50	50	51	58]	...	...	...	...	[3404]	361
362	Glass and products	L				J	...	...	...	...	L	362
369	Non-metal products n.e.c	d/ 82	d/ 82	d/ 81	d/ 85	8	...	...	...	...	3590	369
371	Iron and steel	154	146	141	142	128	...	...	...	...	3670	371
372	Non-ferrous metals	83	83	83	83	23	...	...	...	...	3900	372
381	Metal products ..... f/	[1020	1009	1015	1038	1171]	...	...	...	...	[3288]	381
382	Machinery n.e.c.						...	...	...	...		382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... f/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... f/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods ..... f/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	167	...	...	...	...	3232	390
3	Manufacturing	...	...	...	...	3103	...	...	...	...	3148	3
410	Electricity,gas,steam ..	...	...	...	...	g/ 60	...	...	...	...	g/ 4131	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	h/ 60	...	...	...	...	h/ 4131	4
2-4	All industry	i/ 3152	i/ 3161	i/ 3164	i/ 3237	h/ 3387	i/ 2774	i/ 2774	i/ 2883	i/ 2971	h/ 3247	2-4

Note: For certain deviations in classification, see country note.

a/ Estimates relate to state enterprises under the direction of the central government.
b/ Monthly average per operative - net.
c/ Major groups 353 and 354 are included in 210 and 220 combined.
d/ Major group 290 is included in 369.
e/ Major groups 352, 355 and 356 are included in 351.
f/ Major groups 383 to 385 are included in 381 and 382 combined.
g/ Excluding gas manufacture and distribution.
h/ Excluding gas manufacture and distribution,and water works and supply.
i/ For industry as a whole, all enterprises of national economy are included.

ISIC	INDUSTRY	7. HOURS WORKED BY OPERATIVES c/ (NUMBER) 1986	1987	1988	1989	1990	8. QUANTITY OF ELECTRICITY CONSUMED a/b/ (KWH) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	2064	2089	2063	2063	1597	d/	d/	d/	d/	d/	210
220	Petroleum and gas	e/ 2173	e/ 2155	e/ 2156	e/ 2144	e/ 1908	49052	47005	48934	48804	41723	220
230	Metal ore mining ..... f/	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	2079	2098	2132	2161	2011	g/	g/	g/	g/	g/	290
2	Mining, quarrying ..	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products											311/2
313	Beverages	2219	2244	2222	2155	1872	8831	9192	9281	9006	7709	313
314	Tobacco											314
321	Textiles	2132	2065	2107	2045	1677	5490	5353	5294	5151	4249	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	2176	2147	2125	2066	1620	...	...	...	...	...	322
323	Leather and products ...	2097	2108	2117	2094	1674	1607	1640	1957	1626	1324	323
324	Footwear											324
331	Wood products	2272	2240	2233	2143	1749	4656	4376	4365	4624	4809	331
332	Furniture, fixtures											332
341	Paper and products	2129	2085	2199	2091	1909	51909	50846	52555	50646	41358	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	2009	2002	2011	1976	1696	1830	1774	1720	1783	2077	342
351	Industrial chemicals ...	h/ 2082	h/ 2090	h/ 2078	h/ 2036	h/ 1745	i/ 60665	i/ 60010	i/ 61091	i/ 56910	i/ 41830	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	2044	2047	2020	2044	1691	i/	i/	i/	i/	i/	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	j/ 2161	j/ 2191	j/ 2131	j/ 2084	j/ 1876	d/	d/	d/	d/	d/	353
354	Petroleum,coal products.	2073	2093	2123	2086	1823	d/	d/	d/	d/	d/	354
355	Rubber products	h/	h/	h/	h/	h/	i/	i/	i/	i/	i/	355
356	Plastic products n.e.c..	h/	h/	h/	h/	h/	i/	i/	i/	i/	i/	356
361	Pottery,china etc	2064	2175	2123	2086	1804	6781	7032	7128	6997	6350	361
362	Glass and products											362
369	Non-metal products n.e.c	2188	2184	2186	2162	1774	g/ 28928	g/ 28250	g/ 26610	g/ 23495	g/ 25156	369
371	Iron and steel	2113	2148	2129	2108	1737	f/ 58973	f/ 59427	f/ 64617	f/ 67602	f/ 49603	371
372	Non-ferrous metals	1992	2001	1991	1966	1506	f/ 70503	f/ 72372	f/ 74919	f/ 73610	f/ 50469	372
381	Metal products ..... k/	2202	2203	2192	2159	1754	7730	7149	7518	7371	6217	381
382	Machinery n.e.c.											382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... k/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... k/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods ..... k/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	2117	2178	2182	2117	1902	...	...	...	...	...	390
3	Manufacturing	...	...	...	...	...	...	...	...	...	...	3
410	Electricity,gas,steam .. l/	2166	2162	2156	2113	1745	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	m/ 2166	m/ 2162	m/ 2156	m/ 2113	m/ 1745	n/ 18562	n/ 18231	n/ 18900	n/ 18541	n/ 15195	2-4

Note: For certain deviations in classification, see country note.

a/ Estimates relate to state enterprises under the direction of the central government.
b/ Electricity consumed per operative. Including the technological consumption of electric power stations.
c/ Hours worked per operative.
d/ Major groups 353 and 354 are included in 210 and 220 combined.
e/ Gas methane mining.
f/ Part of major group 230 is included in 371 and part in 372.
g/ Major group 290 is included in 369.
h/ Major groups 355 and 356 are included in 351.
i/ Major groups 352, 355 and 356 are included in 351.
j/ Including mining of crude petroleum.
k/ Major groups 383 to 385 are included in 381 and 382 combined.
l/ Excluding gas manufacture and distribution.
m/ Excluding gas manufacture and distribution,and water works and supply.
n/ For industry as a whole, all enterprises of national economy are included.

ROMANIA

ISIC	INDUSTRY	9. OUTPUT (BILLION LEI) 1986	1987	1988	1989	1990	10. VALUE ADDED (MILLION LEI) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	13.2	14.4	16.1	16.7	10.6	...	...	7361	4831	2523	210
220	Petroleum and gas	17.9	34.5	34.8	36.4	78.7	...	...	23988	18487	34722	220
230	Metal ore mining	12.4 a/	13.0 a/	13.1 a/	13.0 a/	7.3 a/	...	...	6586	5875	579	230
290	Other mining	...	...	...	...	...	...	...	3467	3215	2956	290
2	Mining, quarrying .	57.1	75.8	77.7	79.2	107.9	...	...	41402	32408	40780	2
311/2	Food products	[					...	...	33814	33148	30171	311/2
313	Beverages	135.9	146.0	146.3	147.4	146.7	...	...	15805	17366	14802	313
314	Tobacco	]				]	...	...	336	363	346	314
321	Textiles	81.3	82.4	84.5	83.8	80.2	...	...	36199	36698	36057	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	36199	36698	36057	3211
322	Wearing apparel	46.3	45.9	48.7	50.2	42.4	...	...	21272	22104	19668	322
323	Leather and products ...	[					...	...	5850	6156	5509	323
324	Footwear	27.7	28.0	27.8	28.8	24.6]	...	...	6597	6891	6161	324
331	Wood products	[					...	...	13847	13697	12940	331
332	Furniture, fixtures	40.7	41.1	43.2	44.3	41.3]	...	...	8429	8493	8016	332
341	Paper and products	15.2	14.7	15.2	15.6	15.5	...	...	4829	3577	4595	341
3411	Pulp,paper etc.	15.2	14.7	15.2	15.6	15.5	...	...	4829	3577	4595	3411
342	Printing,publishing	2.9	2.9	2.9	2.8	3.4	...	...	1317	1325	1607	342
351	Industrial chemicals ...	130.8 b/	123.8 b/	129.1 b/	124.6 b/	117.7 b/	...	...	15873	9840	9839	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	1094	602	397	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	3061	1878	2388	3513
352	Other chemical products.	b/	b/	b/	b/	b/	...	...	10075	9726	8819	352
3522	Drugs and medicines ..	7.3	6.9	7.3	7.4	6.6	...	...	2914	2792	2196	3522
353	Petroleum refineries ...	72.3	79.6	84.4	83.3	78.5	...	...	11217	8294	6450	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	1209	1262	963	354
355	Rubber products	b/	b/	b/	b/	b/	...	...	5045	4871	5184	355
356	Plastic products n.e.c..	b/	b/	b/	b/	b/	...	...	4474	4320	4597	356
361	Pottery,china etc	[					...	...	2233	2436	2199	361
362	Glass and products	9.8	10.0	10.2	10.7	10.4]	...	...	3748	3664	3321	362
369	Non-metal products n.e.c	3.8	4.1	4.2	4.3	3.4	...	...	...	...	...	369
371	Iron and steel	19.1	18.9	19.1	19.8	15.5	...	...	...	...	...	371
372	Non-ferrous metals	33.4	33.7	28.9	25.6	21.3	...	...	4964	895	5049	372
381	Metal products	53.8	55.1	58.2	57.8	43.6	...	...	21211	20560	18119	381
382	Machinery n.e.c.	313.8 c/	311.3 c/	317.6 c/	294.9 c/	271.5 c/	...	...	59200	48222	51500	382
3825	Office,computing etc..	...	...	...	...	...	...	...	2765	3065	2607	3825
383	Electrical machinery ...	c/	c/	c/	c/	c/	...	...	19554	18263	18601	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	c/	c/	c/	c/	c/	...	...	25150	21009	20482	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	3494	3134	3549	3841
3843	Motor vehicles	...	...	...	...	...	...	...	12846	10709	10484	3843
385	Professional goods	c/	c/	c/	c/	c/	...	...	10627	9335	8899	385
390	Other industries	...	...	...	...	...	...	...	29774 d/	29998 d/	27283 d/	390
3	Manufacturing	1134.6	1144.4	1174.0	1143.6	1056.5	...	...	407706 e/	373837 e/	361143 e/	3
410	Electricity,gas,steam ..	44.0 f/	44.3 f/	50.6 f/	49.4 f/	56.4 f/	...	...	10884	6025	1970	410
4101	Electricity	...	...	...	...	...	...	...	4746	2627	860	4101
420	Water works and supply .	...	...	...	...	...	...	...	d/	d/	d/	420
4	Electricity,gas etc	44.0 g/	44.3 g/	50.6 g/	49.4 g/	56.4 g/	...	...	10884 h/	6025 h/	1970 h/	4
2-4	All industry	1235.7 g/	1264.5 g/	1302.3 g/	1272.2 g/	1220.8 g/	380781	382721	459992	412270	403893	2-4

a/ Iron ore mining.
b/ Major groups 352, 355 and 356 are included in 351.
c/ Major groups 383, 384, and 385 are included in 382.
d/ Major group 420 is included in 390.
e/ Including ISIC 420.
f/ Excluding gas manufacture and distribution.
g/ Excluding gas manufacture and distribution,and water works and supply.
h/ Excluding ISIC 420.

11. GROSS FIXED CAPITAL FORMATION
TOTAL
(MILLION LEI)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	9508	9965	10678	10175	7824	210
220	Petroleum and gas ..... a/	2197	2846	3760	2368	2609	220
230	Metal ore mining ..... b/	...	...	...	...	...	230
290	Other mining	950	618	447	710	556	290
2	Mining, quarrying . c/	12655	13429	14885	13253	10989	2
311/2	Food products						311/2
313	Beverages	6061	5353	5031	5686	4584	313
314	Tobacco						314
321	Textiles	1891	1988	2317	2515	2169	321
3211	Spinning,weaving etc..	...	...	...	...	...	3211
322	Wearing apparel	867	933	791	803	654	322
323	Leather and products ...	405	418	453	382	522	323
324	Footwear						324
331	Wood products	3157	2442	1797	1758	1640	331
332	Furniture, fixtures						332
341	Paper and products	1181	995	887	745	483	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	84	86	54	87	89	342
351	Industrial chemicals ... d/	11952	11139	12332	10772	4895	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	35	19	66	46	49	352
3522	Drugs and medicines ..	...	...	...	...	...	3522
353	Petroleum refineries ... e/	12051	10187	9562	9445	8647	353
354	Petroleum,coal products.	1278	948	643	662	292	354
355	Rubber products ..... d/	...	...	...	...	...	355
356	Plastic products n.e.c.. d/	...	...	...	...	...	356
361	Pottery,china etc	234	391	308	438	331	361
362	Glass and products						362
369	Non-metal products n.e.c	2222	2203	1775	1919	1630	369
371	Iron and steel ..... b/	8529	9514	8947	7402	3823	371
372	Non-ferrous metals ..... b/	4977	4631	4614	4603	2896	372
381	Metal products ..... f/	25069	20516	21706	18674	13618	381
382	Machinery n.e.c.						382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ... f/	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	3832
384	Transport equipment .... f/	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	3843
385	Professional goods ..... f/	...	...	...	...	...	385
390	Other industries	1387	1565	1391	2005	1671	390
3	Manufacturing	81380	73388	72674	67942	47993	3
410	Electricity,gas,steam .. g/	30633	29290	27033	21332	15531	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc h/	30633	29290	27033	21332	15531	4
2-4	All industry h/	124668	116047	114592	102527	74513	2-4

a/ Gas methane mining.
b/ Part of major group 230 is included in 371 and part in 372.
c/ Represents sum of available data.
d/ Major groups 355 and 356 are included in 351.
e/ Including mining of crude petroleum.
f/ Major groups 383 to 385 are included in 381 and 382 combined.
g/ Excluding gas manufacture and distribution.
h/ Excluding gas manufacture and distribution,and water works and supply.

12. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	99	110	114	113	122	132	146	151	88	-1.6	210
220	Petroleum and gas	107	110	111	107	106	106	109	114	97	-0.4	220
230	Metal ore mining	102	104	114	113	122	119	120	116	81	-2.6	230
290	Other mining ..... b/c/	121	137	154	167	189	197	199	201	151	5.3	290
2	Mining, quarrying . d/	104	109	112	114	118	123	126	128	100	0.0	2
311/2	Food products											311/2
313	Beverages ..... c/	97	102	107	108	112	121	121	114	95	-0.6	313
314	Tobacco											314
321	Textiles	109	111	110	114	121	123	125	124	99	-0.1	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	108	115	126	145	157	155	165	170	146	4.8	322
323	Leather and products ...	108	119	127	131	141	142	141	146	113	1.5	323
324	Footwear											324
331	Wood products	105	109	112	114	118	119	125	128	101	0.1	331
332	Furniture, fixtures											332
341	Paper and products	100	104	109	112	125	122	126	129	100	0.0	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... e/	101	103	99	115	108	108	109	107	108	1.0	342
351	Industrial chemicals ...	106	111	120	121	130	125	130	125	95	-0.6	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. f/	85	102	92	99	105	109	109	120	111	1.3	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	91	97	101	102	112	123	131	129	90	-1.3	353
354	Petroleum,coal products. g/	113	135	149	143	161	164	161	158	113	1.5	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	114	116	122	125	132	137	144	151	126	2.9	361
362	Glass and products											362
369	Non-metal products n.e.c b/	102	104	110	108	121	126	131	133	92	-1.0	369
371	Iron and steel	104	106	119	117	127	121	124	121	84	-2.2	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	108	112	125	137	155	160	164	162	116	1.9	381
382	Machinery n.e.c. ..... h/	106	112	121	129	134	137	141	127	104	0.5	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	99	100	107	116	129	139	144	138	117	2.0	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... h/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing ..... d/e/	104	109	116	121	130	133	137	134	109	1.1	3
410	Electricity,gas,steam .. i/	102	106	112	114	124	126	134	133	137	4.0	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry e/i/	104	109	116	120	129	132	136	134	108	1.0	2-4

a/ Annual growth rate 1982-1990.
b/ Stone quarrying, clay and sand pits are included in major group 369.
c/ Salt mining is included in major groups 311/2 to 314 combined.
d/ Other mining is included in manufacturing.
e/ Excluding publishing.
f/ Soap and cosmetics only.
g/ Coke manufacturing only.
h/ Major group 384 is included in 382.
i/ Excluding gas manufacture and distribution.

SENEGAL

The information in the tables is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Direction de la statistique, Ministère de l'économie et des finances, Dakar. The concepts and definitions are generally in accordance with United Nations standards.

The data in the tables are derived from the survey of industrial activities conducted by the Direction de la statistique and labour statistics compiled by the Division des statistiques du travail. The data cover all establishments excluding handicrafts.

The national industrial classification system on which the data are based is not strictly comparable with ISIC. The figures in the tables are shown in the most appropriate category of ISIC. It should be noted that the data for food products (ISIC 311/2) excludes the processing of fish.

The employment data cover regular and seasonal workers. Output represents the total value of turnover adjusted for changes in the value of stocks of finished goods and work in progress. Value added is the balance remaining from output after deduction of the value of purchases of goods and services, adjusted for the net change in the value of stocks of input items between the beginning and end of the year. Valuation of output and value added is in producers' prices.

The indices of industrial production are compiled by the Ministère de l'économie et des finances and provided in response to the United Nations Questionnaire on Indices of Industrial Production.

Related national publicaton:

Comptes économiques (annual), published by the Direction de la statistique, Ministère de l'économie et des finances, Dakar.

SENEGAL

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	10	12	11	...	...	2981	2552	2494	...	...	2
311/2	Food products				...	...				...	...	311/2
313	Beverages	107	108	112	...	...	25423	24223	22354	...	...	313
314	Tobacco				...	...				...	...	314
321	Textiles ..... a/	24	21	18	...	...	5948	5340	4537	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... a/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ... a/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear ..... a/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	...	...	...	...	...	...	...	...	...	...	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	...	...	...	...	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	...	...	...	...	...	...	...	...	...	...	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	...	...	...	...	...	...	...	...	...	...	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries ..... b/	117	121	117	...	...	10751	11357	9161	...	...	390
3	Manufacturing	248	250	247	...	...	42122	40920	36052	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	2	2	2	...	...	3883	4043	4376	...	...	4
2-4	All industry	260	264	260	...	...	48986	47515	42922	...	...	2-4

a/ Major groups 322 to 324 are included in 321.
b/ Manufacturing industries other than those for which separate data are shown.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES (MILLION CFA FRANCS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	2.0	2.0	2.0	...	...	4345	4211	4204	...	...	2
311/2	Food products	[15.0	15.0	14.0]	...	...	[			...	...	311/2
313	Beverages				...	...	20817	21139	21409]	...	...	313
314	Tobacco	...	...	...	...	...				...	...	314
321	Textiles a/	5.0	4.0	4.0	...	...	7236	6575	4557	...	...	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel a/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products a/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear a/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	...	...	...	...	...	...	...	...	...	...	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals	...	...	...	...	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	...	...	...	...	...	...	...	...	...	...	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	...	...	...	...	...	...	...	...	...	...	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries b/	9.0	8.0	7.0	...	...	16676	16562	17737	...	...	390
3	Manufacturing	2.9	2.7	2.5	...	...	44729	44276	43702	...	...	3
410	Electricity,gas,steam	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	..	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	3.0	4.0	4.0	...	...	6981	7352	8440	...	...	4
2-4	All industry	34.0	33.0	31.0	...	...	56055	55839	56346	...	...	2-4

a/ Major groups 322 to 324 are included in 321.
b/ Manufacturing industries other than those for which separate data are shown.

SENEGAL

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES (NUMBER)					6. WAGES AND SALARIES OF OPERATIVES (MILLION CFA FRANCS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	2022	1887	1859	...	...	3103	2942	3047	...	...	2
311/2	Food products	[			...	...	[			...	...	311/2
313	Beverages	14180	14177	13656	...	...	14626	14749	14725	...	...	313
314	Tobacco	]			...	...	]			...	...	314
321	Textiles ..... a/	4738	4234	3395	...	...	5480	4940	3541	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... a/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ... a/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear ..... a/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	...	...	...	...	...	...	...	...	...	...	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	...	...	...	...	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	...	...	...	...	...	...	...	...	...	...	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	...	...	...	...	...	...	...	...	...	...	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	..	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries ..... b/	8119	7259	6969	...	...	10197	9592	9521	...	...	390
3	Manufacturing	27037	25670	24020	...	...	30303	29281	27787	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	3107	3213	3159	...	...	5267	5569	6121	...	...	4
2-4	All industry	32166	30770	29038	...	...	38673	37792	36955	...	...	2-4

a/ Major groups 322 to 324 are included in 321.
b/ Manufacturing industries other than those for which separate data are shown.

ISIC	INDUSTRY	7. OUTPUT IN PRODUCERS' PRICES (MILLION CFA FRANCS)					8. VALUE ADDED IN PRODUCERS' PRICES (MILLION CFA FRANCS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	31581	26157	31506	...	...	7961	5268	10836	...	...	2
311/2	Food products	[			...	...	[			...	...	311/2
313	Beverages	194200	192959	197370	...	...	55764	60926	63387	...	...	313
314	Tobacco	]			...	...	]			...	...	314
321	Textiles a/	36048	34036	26599	...	...	7043	8405	3853	...	...	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel a/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products a/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear a/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	...	...	...	...	...	...	...	...	...	...	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals	...	...	...	...	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	...	...	...	...	...	...	...	...	...	...	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	...	...	...	...	...	...	...	...	...	...	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries b/	204586	192180	201795	...	...	84174	78730	86164	...	...	390
3	Manufacturing	434834	419175	425764	...	...	146981	148061	153404	...	...	3
410	Electricity,gas,steam	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	56094	60133	67921	...	...	25045	27277	26185	...	...	4
2-4	All industry	522509	505465	525191	...	...	179987	180606	190425	...	...	2-4

a/ Major groups 322 to 324 are included in 321.
b/ Manufacturing industries other than those for which separate data are shown.

9. GROSS FIXED CAPITAL FORMATION
TOTAL
(MILLION CFA FRANCS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	290
2	Mining, quarrying .	6214	3930	4812	...	...	2
311/2	Food products	[			...	...	311/2
313	Beverages	9974	9998	21480	...	...	313
314	Tobacco	]			...	...	314
321	Textiles ..... a/	10747	15548	2328	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	3211
322	Wearing apparel ..... a/	...	...	...	...	...	322
323	Leather and products ... a/	...	...	...	...	...	323
324	Footwear ..... a/	...	...	...	...	...	324
331	Wood products	...	...	...	...	...	331
332	Furniture, fixtures	...	...	...	...	...	332
341	Paper and products	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	342
351	Industrial chemicals ...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	355
356	Plastic products n.e.c..	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	362
369	Non-metal products n.e.c	...	...	...	...	...	369
371	Iron and steel	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	372
381	Metal products	...	...	...	...	...	381
382	Machinery n.e.c.	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	385
390	Other industries ..... b/	5746	5849	6154	...	...	390
3	Manufacturing	26467	31395	29962	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	9317	9742	16741	...	...	4
2-4	All industry	41998	45067	51515	...	...	2-4

a/ Major groups 322 to 324 are included in 321.
b/ Manufacturing industries other than those for which separate data are shown.

10. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	75	94	120	125	130	115	149	147	130	3.3	290
2	Mining, quarrying .	76	94	120	125	130	115	149	147	130	3.3	2
311/2	Food products	135	145	108	89	74	122	159	141	145	4.8	311/2
313	Beverages	85	82	72	78	53	75	81	79	80	-2.8	313
314	Tobacco	97	112	89	96	91	65	44	56	72	-4.0	314
321	Textiles	159	153	125	150	91	124	140	73	89	-1.4	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	126	87	188	93	107	55	-	-	-	-7.2	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	104	96	91	86	73	94	63	48	69	-4.5	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	111	116	118	101	149	100	99	101	109	1.1	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... b/	87	80	79	85	83	98	95	80	94	-0.8	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. b/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... b/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. b/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products ..... b/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. b/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	99	138	124	101	92	84	94	90	117	2.0	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	104	128	126	95	108	111	90	72	142	4.5	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	143	166	197	218	169	136	142	163	59	-6.4	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	103	138	190	137	74	200	162	103	200	9.1	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	120	134	113	117	101	117	119	105	115	1.8	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	99	111	108	119	119	122	132	137	142	4.5	4101
420	Water works and supply .	122	119	132	120	141	181	159	145	138	4.1	420
4	Electricity,gas etc c/	109	115	118	120	128	148	144	140	140	4.3	4
2-4	All industry c/	113	118	115	118	106	118	124	112	118	2.1	2-4

a/ Annual growth rate 1982-1990.
b/ Major groups 352 to 356 are included in 351.
c/ Excluding gas and steam.

SINGAPORE

The information in the tables, except for the indices, is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Research and Statistics Unit, Economic Development Board, Singapore.

The data in the tables relate to establishments in the private sector with 10 or more persons engaged and are derived from the census of industrial production undertaken annually by the Economic Development Board. The activities covered by the census are granite quarrying and manufacturing. The census is primarily conducted by mail. Data have been adjusted for non-response.

The national classification scheme generally follows the present version of the ISIC with certain modifications to suit local needs and conditions. The concepts and definitions used are generally in accordance with the United Nations standards although the following points should be noted:

Reference period is the calendar year, but establishments with financial years ending on or before 31 March are allowed to report on a financial year basis.

Employment data relate to the number on or at the pay period nearest to 30 June of the reference year.

Wages and salaries include employers' contributions to the provident fund, pension and other funds.

The value of output relates to the total value of all commodities produced and industrial services rendered to others. In cases where proper records of production are not available, the value of output is calculated from the value of sales after adjusting for changes in stocks during the year. Output does not take into account goods sold without further processing. Valuation of output and value added is in factor values.

The indices of industrial production are compiled by the Research and Statistics Unit, Economic Development Board, and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover all industrial establishments with 10 or more persons engaged.

Related national publications:

Report on the Census of Industrial Production (annual) is published by the Economic Development Board, Singapore. Yearbook of Statistics, Singapore is published by the Department of Statistics, Singapore.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/b/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining ..... c/	16	16	14	13	9	0.63	0.51	0.33	0.28	0.22	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	287	283	272	263	265	9.61	10.16	10.41	10.39	10.62	311/2
313	Beverages	15	15	14	14	14	2.26	2.26	2.30	2.41	2.44	313
314	Tobacco	4	4	4	4	5	0.75	0.71	0.56	0.58	0.73	314
321	Textiles	65	63	67	67	65	2.66	2.92	3.32	3.36	3.41	321
3211	Spinning,weaving etc..	23	24	28	28	27	1.49	1.70	1.86	1.89	2.00	3211
322	Wearing apparel	370	373	370	372	370	24.81	27.72	29.40	29.11	27.69	322
323	Leather and products ...	26	24	21	19	17	0.58	0.60	0.69	0.72	0.68	323
324	Footwear	50	51	39	35	32	0.92	0.95	0.83	0.73	0.78	324
331	Wood products	100	94	89	91	82	3.27	3.02	3.17	3.00	2.57	331
332	Furniture, fixtures	156	148	154	153	141	7.40	7.46	7.72	7.14	6.52	332
341	Paper and products	80	81	88	89	92	3.32	3.59	4.09	4.34	4.60	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	311	315	308	324	327	12.89	13.02	14.20	15.30	15.81	342
351	Industrial chemicals ...	59	62	65	73	77	3.18	3.31	3.72	4.33	4.75	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	88	86	88	88	93	4.26	4.39	4.59	4.69	5.17	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	11	11	11	11	15	3.37	3.25	3.13	3.11	3.29	353
354	Petroleum,coal products.											354
355	Rubber products	36	38	35	34	34	1.58	1.53	1.71	1.71	1.78	355
356	Plastic products n.e.c..	217	239	279	278	285	8.11	9.98	12.21	12.97	13.88	356
361	Pottery,china etc	10	8	8	9	8	0.23	0.14	0.16	0.85	0.80	361
362	Glass and products											362
369	Non-metal products n.e.c	95	84	73	68	65	6.61	5.04	4.75	4.72	4.36	369
371	Iron and steel	14	12	10	11	14	1.35	1.33	1.52	1.62	1.73	371
372	Non-ferrous metals	15	18	19	19	21	0.45	0.62	0.67	0.74	0.82	372
381	Metal products	425	434	454	463	479	18.90	21.37	26.00	27.09	28.44	381
382	Machinery n.e.c.	355	372	378	385	406	17.06	18.47	20.70	22.61	24.19	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	273	317	358	362	372	85.01	103.75	133.62	138.45	144.79	383
3832	Radio,television etc..	137	168	185	184	191	54.01	63.30	76.95	80.52	82.26	3832
384	Transport equipment	197	183	218	225	217	17.06	17.44	20.26	22.40	26.13	384
3841	Shipbuilding, repair..	150	139	174	177	163	11.11	11.37	13.64	15.13	18.20	3841
3843	Motor vehicles	23	20	17	18	18	1.57	1.48	1.55	1.58	1.42	3843
385	Professional goods	40	45	47	49	57	5.25	6.15	7.39	7.63	8.26	385
390	Other industries	157	159	160	159	154	6.19	7.37	7.78	7.80	7.62	390
3	Manufacturing	3456	3519	3629	3665	3707	247.11	276.52	324.91	337.76	351.84	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Private establishments with 10 or more persons engaged.
b/ At 30 June of the year indicated.
c/ Granite quarrying only.

SINGAPORE

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/b/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES b/c/ (MILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining ..... d/	0.62	0.50	0.33	0.28	0.22	10.8	9.4	7.7	7.1	6.2	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	9.36	9.91	10.17	10.17	10.43	146.5	151.2	164.5	183.6	203.9	311/2
313	Beverages	2.26	2.26	2.30	2.40	2.44	40.7	39.6	45.2	49.5	63.6	313
314	Tobacco	0.75	0.71	0.56	0.58	0.73	18.8	17.9	18.9	21.5	25.4	314
321	Textiles	2.65	2.90	3.31	3.34	3.40	32.7	39.0	45.1	51.1	55.1	321
3211	Spinning,weaving etc..	1.49	1.70	1.86	1.89	2.00	17.1	21.9	25.6	27.6	31.1	3211
322	Wearing apparel	24.54	27.43	29.11	28.85	27.46	222.7	255.6	289.2	316.5	320.7	322
323	Leather and products ...	0.56	0.58	0.67	0.70	0.66	6.0	6.3	8.6	10.3	10.2	323
324	Footwear	0.86	0.89	0.79	0.69	0.76	6.6	6.9	7.1	8.1	8.9	324
331	Wood products	3.21	2.97	3.12	2.95	2.54	37.5	37.4	41.6	45.8	43.2	331
332	Furniture, fixtures	7.28	7.34	7.59	7.03	6.42	75.1	76.9	90.9	92.0	97.6	332
341	Paper and products	3.28	3.56	4.07	4.32	4.58	54.3	63.8	74.7	87.3	98.2	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	12.68	12.83	14.01	15.12	15.65	234.7	243.5	285.8	345.0	375.6	342
351	Industrial chemicals ...	3.18	3.31	3.71	4.32	4.74	91.4	99.2	117.1	150.3	195.2	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	4.25	4.38	4.58	4.68	5.16	98.0	100.8	111.9	127.2	155.4	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[3.37	3.25	3.13	3.11	3.29	148.8	148.4	154.2	174.3	204.0]	353
354	Petroleum,coal products.											354
355	Rubber products	1.57	1.52	1.69	1.70	1.77	22.4	25.9	29.2	33.8	35.4	355
356	Plastic products n.e.c..	8.04	9.91	12.12	12.89	13.81	101.9	121.9	160.7	193.9	228.8	356
361	Pottery,china etc	[0.23	0.14	0.16	0.85	0.79	3.1	1.9	2.2	12.7	18.2]	361
362	Glass and products											362
369	Non-metal products n.e.c	6.58	5.00	4.73	4.70	4.33	106.2	76.1	73.9	81.6	87.3	369
371	Iron and steel	1.34	1.32	1.51	1.61	1.73	33.7	33.1	37.1	44.9	48.7	371
372	Non-ferrous metals	0.45	0.61	0.67	0.74	0.81	9.2	11.2	14.3	17.3	21.1	372
381	Metal products	18.69	21.16	25.78	26.89	28.26	289.4	334.6	409.9	487.8	559.4	381
382	Machinery n.e.c.	16.90	18.31	20.55	22.49	24.08	319.2	335.5	403.9	488.5	567.0	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	84.97	103.70	133.57	138.40	144.75	1196.9	1434.3	1863.2	2176.2	2527.2	383
3832	Radio,television etc..	53.99	63.28	76.93	80.51	82.25	770.9	865.3	1098.3	1268.2	1485.1	3832
384	Transport equipment	16.99	17.39	20.17	22.31	26.05	336.8	351.4	417.0	541.4	628.7	384
3841	Shipbuilding, repair..	11.05	11.33	13.55	15.05	18.12	217.7	223.3	262.9	353.7	417.1	3841
3843	Motor vehicles	1.56	1.47	1.54	1.58	1.42	24.1	22.0	27.6	37.0	31.0	3843
385	Professional goods	5.25	6.15	7.39	7.63	8.26	68.3	83.6	99.5	119.4	158.3	385
390	Other industries	6.12	7.29	7.69	7.72	7.54	72.8	84.4	94.9	107.7	118.5	390
3	Manufacturing	245.35	274.80	323.15	336.19	350.43	3773.8	4180.5	5060.7	5967.5	6855.7	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ At 30 June of the year indicated.
b/ Private establishments with 10 or more persons engaged.
c/ Including employers' contributions to provident funds.
d/ Granite quarrying only.

ISIC	INDUSTRY	5. QUANTITY OF ELECTRICITY CONSUMED a/ (MILLION KWH)					6. OUTPUT IN FACTOR VALUES a/ (MILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining ..... b/	24.5	15.3	15.1	14.4	15.3	117	98	91	93	121	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	136.3	143.9	162.2	170.5	173.7	2198	1872	2112	2229	2044	311/2
313	Beverages	28.2	28.6	24.2	24.6	23.7	365	409	465	538	511	313
314	Tobacco	5.0	5.1	6.4	7.7	10.9	176	173	188	220	288	314
321	Textiles	52.4	74.9	67.7	77.2	72.7	239	317	361	395	395	321
3211	Spinning,weaving etc..	43.5	62.3	55.9	65.4	59.7	127	178	199	210	211	3211
322	Wearing apparel	53.4	60.7	64.0	68.8	66.8	1241	1562	1694	1790	1730	322
323	Leather and products ...	0.7	0.8	1.0	1.1	1.0	34	38	58	62	55	323
324	Footwear	2.7	2.5	2.2	2.0	2.4	38	42	45	49	50	324
331	Wood products	34.7	48.3	35.5	37.6	30.5	293	321	391	397	350	331
332	Furniture, fixtures	30.3	33.2	34.8	39.1	30.4	353	374	465	488	516	332
341	Paper and products	50.5	75.0	65.4	71.4	83.9	439	591	701	760	816	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	71.1	69.5	76.8	84.7	93.0	952	1119	1334	1552	1743	342
351	Industrial chemicals ...	579.2	643.1	673.3	686.8	803.8	1724	2387	3259	3068	3150	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	64.2	69.1	71.7	79.1	91.3	1094	1276	1429	1593	1772	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[948.8	980.6	1014.9	1027.3	1262.0	6990	7491	7663	8765	11364]	353
354	Petroleum,coal products.											354
355	Rubber products	16.8	16.4	22.6	23.1	23.7	218	270	383	367	271	355
356	Plastic products n.e.c..	174.6	164.8	205.4	226.9	237.3	611	843	1234	1350	1429	356
361	Pottery,china etc	[5.2	2.0	2.3	27.2	29.3	16	11	14	108	145]	361
362	Glass and products	L										362
369	Non-metal products n.e.c	140.9	117.6	125.8	112.2	122.0	768	639	636	721	862	369
371	Iron and steel	321.9	333.5	320.4	372.0	294.8	376	383	428	526	582	371
372	Non-ferrous metals	12.5	13.4	15.9	16.3	17.9	246	167	205	185	216	372
381	Metal products	191.6	227.3	262.8	286.3	306.1	1937	2382	3111	3547	3804	381
382	Machinery n.e.c.	139.1	158.3	184.3	197.4	212.9	1652	1960	2481	3056	3381	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	704.1	899.8	1078.6	1294.5	1349.9	12673	18253	23773	27209	30312	383
3832	Radio,television etc..	454.3	535.2	657.2	755.1	856.4	7635	10013	13577	15105	16045	3832
384	Transport equipment	206.9	223.7	225.3	246.8	258.9	1803	2093	2718	3165	3791	384
3841	Shipbuilding, repair..	130.5	134.7	146.6	157.2	163.0	1030	1281	1724	2239	2599	3841
3843	Motor vehicles	15.3	16.3	13.2	13.7	6.8	88	85	137	144	181	3843
385	Professional goods	40.4	50.0	66.2	61.0	78.7	375	457	576	672	783	385
390	Other industries	38.6	45.8	48.0	54.8	59.9	572	809	989	1017	1097	390
3	Manufacturing	4049.9	4487.6	4857.7	5296.4	5737.5	37385	46240	56714	63831	71458	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Private establishments with 10 or more persons engaged. b/ Granite quarrying only.

SINGAPORE

ISIC	INDUSTRY	7. VALUE ADDED IN FACTOR VALUES a/ (MILLION DOLLARS)					8. GROSS FIXED CAPITAL FORMATION TOTAL a/b/ (MILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining ..... c/	70	59	54	56	79	1.1	10.2	3.0	2.5	5.0	290
2	Mining, quarrying ..	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	406	452	527	568	583	53.4	63.1	78.1	87.3	114.2	311/2
313	Beverages	190	206	243	247	252	17.4	26.9	98.1	167.1	119.1	313
314	Tobacco	78	87	89	98	116	8.3	2.2	2.7	7.4	11.5	314
321	Textiles	78	101	114	122	130	13.9	21.7	32.4	19.3	25.5	321
3211	Spinning,weaving etc..	45	63	66	71	76	10.9	13.4	18.1	9.1	18.9	3211
322	Wearing apparel	362	465	535	545	533	23.9	47.1	53.5	45.9	60.4	322
323	Leather and products ...	11	12	17	23	20	0.4	1.0	2.6	1.2	2.3	323
324	Footwear	12	13	12	14	16	0.8	0.8	1.0	1.2	6.0	324
331	Wood products	82	82	102	113	99	2.5	6.1	11.7	13.9	6.0	331
332	Furniture, fixtures	131	133	154	164	162	30.6	15.2	18.5	25.0	22.3	332
341	Paper and products	191	240	269	293	343	35.8	44.9	49.6	60.4	73.8	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	531	604	698	789	933	81.5	79.3	111.2	190.0	181.4	342
351	Industrial chemicals ...	574	915	1376	1184	1058	65.8	96.4	91.3	283.3	144.1	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	700	815	878	952	1088	19.2	31.7	44.2	82.5	103.3	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[780	728	993	1248	1662	121.0	157.4	419.5	500.6	489.3]	353
354	Petroleum,coal products.											354
355	Rubber products	49	59	72	81	71	3.9	22.1	14.6	11.0	13.9	355
356	Plastic products n.e.c..	232	297	409	476	539	36.0	120.7	122.7	124.2	116.3	356
361	Pottery,china etc	[6	6	6	22	61	1.0	0.5	3.0	201.8	13.2]	361
362	Glass and products											362
369	Non-metal products n.e.c	244	211	205	231	269	26.8	24.0	18.8	27.3	28.5	369
371	Iron and steel	119	140	167	189	176	6.0	16.8	22.6	48.5	40.5	371
372	Non-ferrous metals	30	41	54	57	74	5.2	5.0	9.5	13.6	13.1	372
381	Metal products	720	859	1082	1229	1324	126.7	214.8	224.9	240.1	263.0	381
382	Machinery n.e.c.	739	732	962	1143	1268	97.5	221.2	297.1	260.2	262.1	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	4222	5675	7063	7874	8596	849.9	1345.9	1529.2	1785.1	1608.0	383
3832	Radio,television etc..	2159	2673	3485	4021	4173	492.9	718.9	942.4	1100.4	1077.0	3832
384	Transport equipment	1012	1107	1324	1422	1614	59.7	65.9	177.2	197.2	283.1	384
3841	Shipbuilding, repair..	416	506	627	929	1056	19.2	30.8	73.0	115.1	168.9	3841
3843	Motor vehicles	40	36	51	65	61	1.3	2.6	6.0	5.1	7.1	3843
385	Professional goods	227	261	316	340	363	34.0	44.4	58.5	62.9	115.5	385
390	Other industries	180	240	264	265	266	25.5	54.0	55.7	67.5	68.8	390
3	Manufacturing	11908	14481	17932	19690	21615	1746.6	2729.3	3548.0	4524.7	4185.3	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Private establishments with 10 or more persons engaged.
b/ The value of sales is not deducted.
c/ Granite quarrying only.

9. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	93	86	85	85	93	94	102	106	103	0.4	311/2
313	Beverages	97	101	90	92	97	116	130	125	136	3.9	313
314	Tobacco	121	101	97	118	91	78	140	204	298	14.6	314
321	Textiles	66	50	42	30	30	35	37	39	36	-12.0	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	92	96	108	102	118	139	148	151	141	4.4	322
323	Leather and products ...	67	50	71	50	52	58	54	46	44	-9.8	323
324	Footwear	78	72	72	46	50	60	71	64	68	-4.7	324
331	Wood products	80	61	50	40	30	32	32	30	28	-14.7	331
332	Furniture, fixtures	119	126	131	121	133	129	137	133	132	3.5	332
341	Paper and products	95	68	61	56	62	82	90	92	97	-0.4	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	111	118	133	135	141	154	171	189	209	9.7	342
351	Industrial chemicals ...	119	113	229	310	316	375	401	425	483	21.8	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	110	125	127	143	151	152	157	185	241	11.6	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[120	122	131	118	128	119	125	142	161	6.1]	353
354	Petroleum,coal products.											354
355	Rubber products	85	68	76	73	66	69	66	66	59	-6.4	355
356	Plastic products n.e.c..	100	103	105	86	78	96	110	111	110	1.2	356
361	Pottery,china etc	[140	119	124	34	23	24	27	25	29	-14.3]	361
362	Glass and products											362
369	Non-metal products n.e.c	115	117	94	72	63	61	62	74	78	-3.1	369
371	Iron and steel	142	134	129	128	130	136	144	148	160	6.1	371
372	Non-ferrous metals	72	74	93	84	75	81	82	77	88	-1.6	372
381	Metal products	98	89	104	97	107	122	144	150	148	5.0	381
382	Machinery n.e.c.	116	130	125	105	91	106	127	149	161	6.1	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	93	106	125	109	119	157	187	213	197	8.8	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	112	104	112	93	102	110	132	161	179	7.5	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	64	57	69	63	75	123	132	93	99	-0.1	390
3	Manufacturing	104	106	116	107	116	136	162	178	196	8.3	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Annual growth rate 1982-1990.

SOUTH AFRICA

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Central Statistical Service, Pretoria, and on data obtained from national publications. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates are derived, in the case of mining, from inquiries carried out by the Department of Mineral and Energy Affairs and for other industries, from periodic censuses and monthly sample surveys conducted by the Central Statistical Service. The censuses are conducted infrequently for manufacturing with an interval of three years. The estimates for mining cover all mining establishments and for manufacturing, except as noted below, all private manufacturing establishments. The estimates for electricity, gas and steam cover all establishments where the main activity is the generation and/or distribution of these commodities.

The estimates are based on the national classification which follows the present version of ISIC. However, certain activities are excluded from the scope of manufacturing: manufacture mainly for consumption on premises; grain mills and sawmills operated by farmers for and at their own convenience, and custom milling by retail stores.

For employment and wages and salaries, the manufacturing data include the following government establishments: government sawmills and wood preservation installations of the Department of Environmental Affairs; the Government Printer: the South African Mint; municipal abattoirs and those of the Abattoir Corporation; beer breweries of the Development Boards; and sheltered employment factories of the Department of Manpower.

The employment figures represent the average for June of each year for mining and the numbers at 30 June for other industries. Wages and salaries include employers' contributions to pension or provident and holiday and medical aid funds. Employers' contributions to other funds, such as unemployment insurance and workmen's compensation, are not included. Payments in kind are excluded.

Output is the aggregate value of goods manufactured and work done. The indices of industrial production for mining and manufacturing are compiled by the Central Statistical Service and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover all establishments. The indices for electricity are calculated by the United Nations Statistical Office on the basis of the output of electricity in kWh.

Related national publications:

South African Statistics (biennial); Bulletin of Statistics (quarterly); both published by the Central Statistical Service, Pretoria.

ISIC	INDUSTRY	1. AVERAGE NUMBER OF EMPLOYEES (THOUSANDS)					2. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION RAND)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	96	94	88	78	85	893	972	1072	1226	1494	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	574	580	554	539	504	4059 b/	4950 b/	5653 b/	5665 b/	6881 b/	230
290	Other mining	86	89	91	90	104	816 b/	991 b/	1199 b/	2075 b/	1893 b/	290
2	Mining, quarrying	756	763	733	707	693	5768	6913	7925	8966	10268	2
311/2	Food products	182	186	188	188	190	1513	1772	2159	2531	2820	311/2
313	Beverages	35	35	35	37	33	390	465	555	675	698	313
314	Tobacco	5	5	5	5	5	66	80	91	112	139	314
321	Textiles	95	96	95	97	97	734	876	1016	1218	1378	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	121	124	125	124	123	644	735	881	1127	1268	322
323	Leather and products	9	10	11	11	11	63	77	91	115	122	323
324	Footwear	29	31	31	33	32	197	231	264	329	357	324
331	Wood products	56	56	57	56	56	256	295	384	425	499	331
332	Furniture, fixtures	35	35	37	36	36	300	339	369	353	443	332
341	Paper and products	39	39	40	40	40	491	564	678	802	964	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	47	47	49	48	48	673	772	932	1039	1259	342
351	Industrial chemicals c/	113	114	114	113	111	1944	2239	2649	3184	3567	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	..	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products c/		..	.	..	...	...	...	...	...	...	352
3522	Drugs and medicines	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries c/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. c/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	19	19	20	21	21	258	318	370	400	489	355
356	Plastic products n.e.c.	30	31	32	33	33	338	409	502	576	666	356
361	Pottery,china etc											361
362	Glass and products	84	86	88	88	88	764	895	1070	1224	1426	362
369	Non-metal products n.e.c											369
371	Iron and steel	111	112	111	111	112	1676	1921	2259	2718	3213	371
372	Non-ferrous metals											372
381	Metal products	126	126	126	126	135	1447	1669	1923	2195	2777	381
382	Machinery n.e.c.	87	86	87	89	87	1274	1446	1671	2009	2211	382
3825	Office,computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery	66	66	67	68	67	892	1038	1200	1367	1490	383
3832	Radio,television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	100	98	103	106	108	1376	1663	2064	2531	2772	384
3841	Shipbuilding, repair	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	7	7	7	7	7	81	100	114	135	148	385
390	Other industries	20	21	20	22	22	183	212	247	274	321	390
3	Manufacturing	1416	1428	1449	1459	1462	15562	18118	21489	25340	29027	3
410	Electricity,gas,steam	64	57	57	52	51	1013	1094	1305	1449	1717	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Including employers' contributions to pension or provident and holiday and medical aid funds; excluding payments in kind.
b/ Metal mining other than chrome, gold, iron, manganese and tin is included in major group 290.
c/ Major groups 352 to 354 are included in 351.

SOUTH AFRICA

ISIC	INDUSTRY	3. OUTPUT a/ (MILLION RAND)					4. VALUE ADDED IN FACTOR VALUES b/ (MILLION RAND)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	5360	4806	5917	7346	8149	2544	1951	2291	3156	...	210
220	Petroleum and gas	...	...	...	...	...	-	-	-	-	...	220
230	Metal ore mining	...	...	...	...	...	[17670	17428	19612	20426]	...	230
290	Other mining	24115	23928	27795	30206	29897					...	290
2	Mining, quarrying .	...	...	...	...	...	20214	19379	21903	23582	...	2
311/2	Food products	13650	15826	17387	20270	23405	3029	3649	4077	4599	...	311/2
313	Beverages	3724	4365	5386	6481	7228	1113	1266	1656	2312	...	313
314	Tobacco	974	1120	1317	1393	1711	309	400	239	310	...	314
321	Textiles	3838	4319	5044	5956	6038	1193	1511	1735	1942	...	321
3211	Spinning,weaving etc..	2253	2535	2896	3435	3530	...	...	...	...	...	3211
322	Wearing apparel	1952	2448	2784	3403	3945	822	1033	1252	1463	...	322
323	Leather and products ...	516	573	669	768	845	137	166	190	237	...	323
324	Footwear	877	1073	1312	1498	1688	319	412	504	711	...	324
331	Wood products	1403	1715	2038	2459	2806	465	547	714	713	...	331
332	Furniture, fixtures	1091 c/	1218 c/	1448 c/	1665 c/	1853 c/	398	484	535	522	...	332
341	Paper and products	4163	5027	6509	7638	8226	1480	1817	2630	3467	...	341
3411	Pulp,paper etc.	2355	2816	3739	4426	4511	...	...	...	...	...	3411
342	Printing,publishing	1795	2119	2514	3048	3441	1102	1330	1570	1572	...	342
351	Industrial chemicals ...	5147	5365	6624	8092	8480	1813	2256	2903	3155	...	351
3511	Basic excl fertilizers	1812	1894	2196	2649	2962	...	...	...	...	...	3511
3513	Synthetic resins etc .	1767	2002	2606	3133	3186	...	...	...	...	...	3513
352	Other chemical products. d/	12112	13001	15462	18370	21779	4616	4531	5276	5971	...	352
3522	Drugs and medicines ..	1157	1494	1787	2136	2633	...	...	...	...	...	3522
353	Petroleum refineries ... d/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. d/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	1164	1470	1874	2265	2610	414	527	670	722	...	355
356	Plastic products n.e.c..	1592	2000	2637	3227	3724	599	930	1053	1036	...	356
361	Pottery,china etc	109	142	168	178	190	49	66	98	87	...	361
362	Glass and products	602	717	907	1033	1245	252	344	434	595	...	362
369	Non-metal products n.e.c	2384	2862	3773	4160	4462	1143	1277	1716	2039	...	369
371	Iron and steel	7445	8346	10718	13342	13793	2837	2794	3687	5412	...	371
372	Non-ferrous metals	2316	2883	3758	4810	4982	1043	1120	1536	1953	...	372
381	Metal products	5897 c/	6638 c/	7400 c/	8863 c/	9677 c/	2068	2490	2861	3667	...	381
382	Machinery n.e.c.	4537	4843	5600	6687	7089	2139	2490	2748	3056	...	382
3825	Office,computing etc..	60	49	58	80	66	...	...	...	...	...	3825
383	Electrical machinery ...	4295	4975	6138	7279	8098	1516	1770	2114	2267	...	383
3832	Radio,television etc..	1316	1483	1667	1998	2413	...	...	...	...	...	3832
384	Transport equipment	6818	9111	13118	16328	16676	1786	2616	3976	4594	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	4313	5722	8639	11138	11096	1236	2139	3237	3799	...	3843
385	Professional goods	327	348	401	484	532	163	183	310	388	...	385
390	Other industries	972	1204	1365	1593	1978	622	729	851	1312	...	390
3	Manufacturing	89699	103708	126352	151287	...	30277 e/	35752 e/	44105 e/	52289 e/	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	5188	6350	7703	8566	...	410
4101	Electricity	...	...	...	...	...	5167	6324	7674	8540	...	4101
420	Water works and supply .	...	...	...	...	...	444	478	528	666	...	420
4	Electricity,gas etc	...	...	...	...	...	5632	6827	8231	9232	...	4
2-4	All industry	...	...	...	...	...	56123	61958	74239	85103	...	2-4

a/ Aggregated value of goods manufactured and work done.
b/ Mining, electricity, gas and water and all industry: contributions to the gross domestic product.
c/ Manufacture of metal furniture is included in major group 332. d/ Major groups 353 and 354 are included in 352.
e/ Net of stock evaluation adjustment.

5. GROSS FIXED CAPITAL FORMATION
TOTAL a/
(MILLION RAND)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	290
2	Mining, quarrying .	4198	4853	6080	6971	...	2
311/2	Food products	...	...	...	...	...	311/2
313	Beverages	...	...	...	...	...	313
314	Tobacco	...	...	...	...	...	314
321	Textiles	...	...	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	...	...	322
323	Leather and products ...	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	324
331	Wood products	...	...	...	...	...	331
332	Furniture, fixtures	...	...	...	...	...	332
341	Paper and products	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	342
351	Industrial chemicals ...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	355
356	Plastic products n.e.c..	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	362
369	Non-metal products n.e.c	...	...	...	...	...	369
371	Iron and steel	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	372
381	Metal products	...	...	...	...	...	381
382	Machinery n.e.c.	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	..	3832
384	Transport equipment	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	390
3	Manufacturing	4246	4806	6550	10176	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	4116	3957	3650	4243	...	4
2-4	All industry	12560	13616	16280	21390	...	2-4

a/ Mining, electricity, gas and water and all industry: estimates derived from national accounts calculations.

6. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	117	119	137	150	152	153	153	149	149	5.1	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	96	97	99	98	96	90	93	94	95	-0.6	230
290	Other mining	91	96	95	96	94	96	100	98	90	-1.3	290
2	Mining, quarrying .	99	100	104	105	102	97	100	98	97	-0.4	2
311/2	Food products	108	103	107	111	112	116	121	121	122	2.5	311/2
313	Beverages	107	108	115	115	116	128	135	139	146	4.8	313
314	Tobacco	110	106	108	105	110	125	135	126	126	2.9	314
321	Textiles	105	88	84	82	81	86	90	92	78	-3.1	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	111	96	95	82	76	79	81	86	90	-1.3	322
323	Leather and products ...	85	88	91	84	91	89	89	88	87	-1.7	323
324	Footwear	92	91	97	93	89	89	93	94	92	-1.0	324
331	Wood products	98	92	79	74	76	74	75	76	74	-3.7	331
332	Furniture, fixtures	105	91	81	75	78	72	81	74	76	-3.4	332
341	Paper and products	107	108	121	124	139	139	151	150	152	5.4	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	110	114	126	116	110	109	112	111	110	1.2	342
351	Industrial chemicals ...	102	84	92	92	95	92	93	96	91	-1.2	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	102	104	110	106	103	97	113	118	119	2.2	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	102	88	93	87	88	94	99	102	110	1.2	355
356	Plastic products n.e.c..	108	110	112	124	119	130	139	126	130	3.3	356
361	Pottery,china etc	79	70	69	61	62	66	73	70	63	-5.6	361
362	Glass and products	118	105	125	111	114	116	126	125	120	2.3	362
369	Non-metal products n.e.c	98	97	100	86	82	84	95	93	88	-1.6	369
371	Iron and steel	89	87	92	97	106	103	102	103	99	-0.1	371
372	Non-ferrous metals	106	102	116	109	110	118	131	136	134	3.7	372
381	Metal products	104	87	87	85	79	77	82	85	84	-2.2	381
382	Machinery n.e.c.	101	89	96	77	68	67	70	73	74	-3.7	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	110	104	101	90	88	94	106	110	109	1.1	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	114	103	92	65	570	64	75	73	66	-5.1	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	116	107	97	66	61	70	84	82	72	-4.0	3843
385	Professional goods	109	119	122	134	138	147	155	147	144	4.7	385
390	Other industries	98	95	98	101	114	133	133	139	168	6.7	390
3	Manufacturing	113	98	103	101	99	102	110	110	109	1.1	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Annual growth rate 1982-1990.

SPAIN

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Instituto Nacional de Estadística, Madrid. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates are compiled by the Instituto Nacional de Estadística from the results of annual industrial surveys conducted within the framework of the 1978 industrial census. These surveys cover, in general, all establishments with 20 or more persons engaged.

The estimates, which are compiled according to the national classification, have been adjusted to the present version of ISIC as far as practicable. However, it should be noted that dress and fashion designing services (ISIC 8329) and manufacture of mattresses except inner spring and foam rubber mattresses (ISIC 3320) are included in ISIC 321; manufacture of canes, umbrellas and fans (ISIC 390) in ISIC 322; orthopaedic footwear (ISIC 385) in ISIC 324; manufacture of wooden blinds (ISIC 3320) in ISIC 331; manufacture of inner spring mattresses (ISIC 332) and repairing of farm implements (ISIC 382) in ISIC 381; and wooden basket (ISIC 3312), motion picture production (ISIC 9411) and photographic studio, etc. (ISIC 9592) in ISIC 390.

The estimates of persons engaged refer to averages of 4 quarters comprising employees, working proprietors and unpaid family workers. Number of employees and operatives (defined as workers directly engaged in production activities) relate to average numbers employed during the reference period. Wages and salaries relate to gross earnings of employees excluding employers' contributions to social security schemes. Hours worked by operatives refer to total number of hours spent by operatives at work during the reference period.

The quantity of electricity consumed refers to the sum of the quantity of electricity purchased and generated less the quantity sold to others.

Output is the sum of (a) the value of goods produced for sale whether they are sold or in stock, (b) receipts for work done for or services rendered to others, (c) value of goods sold in the same condition as purchased, (d) value of electricity sold, (e) net change in the value of work in progress, (f) receipts from renting of capital goods, and (g) value of fixed assets produced for own use. The estimates of value added are derived as the value of output less the cost of (a) materials and supplies consumed, (b) purchased fuels and electricity consumed, (c) goods sold in the same condition as purchased, and (d) services rendered by others. The valuation of output and value added is in factor values.

Gross fixed capital formation relates to acquisitions of new and used fixed assets less sales of fixed assets during the reference period.

The indices of industrial production are compiled by the Instituto Nacional de Estadistica and provided in response to the United Nations Questionnaire on Indices of Industrial Production.

Related national publications:

Encuesta Industrial (annual); Anuario Estadístico, both published by the Instituto Nacional de Estadística, Madrid.

SPAIN

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	253	238	221	213	...	52	51	49	48	...	210
220	Petroleum and gas	7	5	5	4	...	-	-	-	-	...	220
230	Metal ore mining	52	42	36	35	...	7	6	5	5	...	230
290	Other mining	3205	3213	3321	3327	...	22	22	23	24	...	290
2	Mining, quarrying .	3517	3498	3583	3579	...	81	80	78	77	...	2
311/2	Food products	36085	36290	35855	35790	...	269	277	294	297	...	311/2
313	Beverages	5425	5642	5601	5770	...	61	60	55	55	...	313
314	Tobacco	28	29	31	29	...	10	11	10	9	...	314
321	Textiles	5146	5462	4849	5367	...	128	126	119	118	...	321
3211	Spinning,weaving etc..	2148	2172	1938	2055	...	72	72	70	68	...	3211
322	Wearing apparel	5617	5483	5978	5476	...	85	89	98	93	...	322
323	Leather and products ...	1107	1024	1084	1038	...	17	18	19	19	...	323
324	Footwear	2035	2026	2250	2543	...	35	32	31	34	...	324
331	Wood products	18394	18664	18341	17550	...	76	82	87	87	...	331
332	Furniture, fixtures	11298	11601	9867	10834	...	67	68	66	68	...	332
341	Paper and products	1096	1066	1012	1048	...	41	41	41	42	...	341
3411	Pulp,paper etc.	166	160	153	160	...	17	17	17	17	...	3411
342	Printing,publishing	5699	6016	6080	6259	...	65	72	76	85	...	342
351	Industrial chemicals ...	494	482	491	532	...	43	42	41	42	...	351
3511	Basic excl fertilizers	256	252	254	278	...	17	17	17	18	...	3511
3513	Synthetic resins etc .	101	101	109	120	...	15	15	15	15	...	3513
352	Other chemical products.	1913	1799	1871	1894	...	74	75	78	81	...	352
3522	Drugs and medicines ..	333	309	308	318	...	31	32	33	35	...	3522
353	Petroleum refineries ...	10	10	10	10	...	8	8	8	7	...	353
354	Petroleum,coal products.	198	181	215	174	...	5	5	5	5	...	354
355	Rubber products	983	794	885	868	...	34	34	34	33	...	355
356	Plastic products n.e.c..	2437	2510	2750	2719	...	51	53	55	59	...	356
361	Pottery,china etc	918	1002	1018	936	...	15	16	16	16	...	361
362	Glass and products	641	590	623	644	...	20	20	20	21	...	362
369	Non-metal products n.e.c	6670	6601	6436	6414	...	83	83	84	90	...	369
371	Iron and steel	1063	1167	1200	1169	...	92	88	87	82	...	371
372	Non-ferrous metals	488	469	477	489	...	23	22	22	23	...	372
381	Metal products	14737	15242	15883	15988	...	142	147	154	163	...	381
382	Machinery n.e.c.	13667	13609	14204	14260	...	137	138	146	147	...	382
3825	Office,computing etc..	35	37	45	51	...	3	3	4	4	...	3825
383	Electrical machinery ...	2205	2011	2166	2201	...	108	109	111	112	...	383
3832	Radio,television etc..	357	299	315	355	...	31	31	29	31	...	3832
384	Transport equipment	1213	1227	1177	1818	...	196	203	190	204	...	384
3841	Shipbuilding, repair..	87	87	108	677	...	34	35	24	35	...	3841
3843	Motor vehicles	877	908	871	966	...	137	143	142	147	...	3843
385	Professional goods	526	552	540	579	...	8	8	9	9	...	385
390	Other industries	2045	1944	1870	1995	...	22	21	22	23	...	390
3	Manufacturing	142138	143493	142764	144394	...	1916	1944	1978	2023	...	3
410	Electricity,gas,steam ..	847	787	743	725	...	62	62	62	61	...	410
4101	Electricity	797	734	689	668	...	58	58	57	56	...	4101
420	Water works and supply .	13883	13872	14088	14514	...	30	30	31	32	...	420
4	Electricity,gas etc	14730	14659	14831	15239	...	92	92	93	93	...	4
2-4	All industry	160385	161650	161178	163212	...	2089	2116	2149	2193	...	2-4

Note. For limitation of coverage and differences in classification, see country note.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/ (BILLION PESETAS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	52	51	49	48	...	92.3	94.5	101.0	106.1	...	210
220	Petroleum and gas	-	-	-	-	...	0.9	1.5	1.2	1.2	...	220
230	Metal ore mining	7	6	5	5	...	14.4	12.2	12.3	12.8	...	230
290	Other mining	21	22	23	23	...	24.1	26.9	29.6	32.5	...	290
2	Mining, quarrying .	80	79	78	76	...	131.7	135.0	144.1	152.6	...	2
311/2	Food products	226	233	252	255	...	245.9	272.4	314.0	343.3	...	311/2
313	Beverages	55	55	48	51	...	98.8	106.8	102.6	109.4	...	313
314	Tobacco	10	11	10	9	...	16.8	18.8	19.6	19.6	...	314
321	Textiles	123	121	115	114	...	129.9	137.5	140.9	151.3	...	321
3211	Spinning,weaving etc..	72	71	70	67	...	80.0	84.8	89.5	94.0	...	3211
322	Wearing apparel	73	77	87	80	...	68.2	76.3	89.0	91.1	...	322
323	Leather and products ...	16	17	18	18	...	19.2	22.8	25.2	26.6	...	323
324	Footwear	34	31	30	32	...	30.7	29.3	30.0	32.6	...	324
331	Wood products	56	62	68	68	...	50.6	60.6	70.7	76.0	...	331
332	Furniture, fixtures	55	55	55	57	...	52.2	55.6	59.2	66.3	...	332
341	Paper and products	40	40	40	42	...	62.4	67.3	72.8	81.7	...	341
3411	Pulp,paper etc.	17	17	17	17	...	30.7	32.3	35.6	39.1	...	3411
342	Printing,publishing	60	66	71	80	...	91.7	109.6	126.7	155.4	...	342
351	Industrial chemicals ...	42	41	41	42	...	79.8	85.3	92.7	103.1	...	351
3511	Basic excl fertilizers	17	17	17	18	...	34.6	37.4	41.0	46.3	...	3511
3513	Synthetic resins etc .	15	15	15	15	...	29.2	31.4	34.4	37.9	...	3513
352	Other chemical products.	73	74	77	81	...	132.3	146.2	163.9	188.6	...	352
3522	Drugs and medicines ..	31	32	33	35	...	60.3	67.6	76.0	88.9	...	3522
353	Petroleum refineries ...	8	8	8	7	...	21.9	20.3	22.5	24.0	...	353
354	Petroleum,coal products.	5	5	5	5	...	7.7	8.8	9.3	9.6	...	354
355	Rubber products	34	34	34	33	...	53.1	59.4	63.2	67.7	...	355
356	Plastic products n.e.c..	50	52	54	57	...	66.6	72.5	80.9	95.1	...	356
361	Pottery,china etc	14	15	15	15	...	16.0	18.3	20.2	22.3	...	361
362	Glass and products	19	19	19	20	...	29.7	32.0	35.4	38.7	...	362
369	Non-metal products n.e.c	78	78	79	85	...	96.7	104.8	115.7	136.2	...	369
371	Iron and steel	92	87	86	82	...	157.4	160.7	172.4	180.4	...	371
372	Non-ferrous metals	23	21	21	23	...	37.9	39.0	42.1	48.9	...	372
381	Metal products	129	132	140	149	...	168.6	186.0	208.8	244.8	...	381
382	Machinery n.e.c.	125	128	132	134	...	184.3	202.4	226.4	253.1	...	382
3825	Office,computing etc..	3	3	4	4	...	5.5	6.8	9.0	10.2	...	3825
383	Electrical machinery ...	107	108	110	111	...	163.0	181.2	202.5	227.0	...	383
3832	Radio,television etc..	31	31	29	31	...	46.4	53.6	59.5	71.1	...	3832
384	Transport equipment	196	202	190	203	...	319.6	357.2	369.8	457.8	...	384
3841	Shipbuilding, repair..	34	35	24	34	...	44.9	48.5	39.7	64.7	...	3841
3843	Motor vehicles	136	142	141	146	...	232.6	264.0	282.1	342.3	...	3843
385	Professional goods	8	8	8	8	...	11.6	12.3	14.0	14.6	...	385
390	Other industries	20	20	20	21	...	23.1	24.6	27.3	31.5	...	390
3	Manufacturing	1770	1800	1835	1882	...	2435.7	2668.2	2917.9	3296.6	...	3
410	Electricity,gas,steam ..	62	62	62	61	...	146.7	157.0	181.2	202.1	...	410
4101	Electricity	58	57	57	56	...	137.5	145.3	168.4	188.6	...	4101
420	Water works and supply .	22	21	22	23	...	30.1	31.2	34.3	39.2	...	420
4	Electricity,gas etc	84	83	83	84	...	176.8	188.2	215.5	241.3	...	4
2-4	All industry	1935	1962	1996	2042	...	2744.1	2991.4	3277.4	3690.5	...	2-4

Note. For limitation of coverage and differences in classification, see country note.

a/ Mining and electricity and major groups 353 and 354 include contributions to social security scheme.

SPAIN

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES (BILLION PESETAS)					6. AVERAGE NUMBER OF OPERATIVES (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	40.1	41.1	44.7	47.5	...	44	43	42	40	...	210
220	Petroleum and gas	0.3	0.6	0.4	0.5	...	-	-	-	-	...	220
230	Metal ore mining	5.4	5.5	4.5	5.8	...	5	5	4	4	...	230
290	Other mining	7.9	9.1	10.1	10.8	...	18	19	19	20	...	290
2	Mining, quarrying .	53.7	56.2	59.7	64.5	...	68	66	65	64	...	2
311/2	Food products	79.7	86.7	97.7	105.1	...	171	177	193	192	...	311/2
313	Beverages	29.0	31.4	29.2	30.7	...	36	36	33	33	...	313
314	Tobacco	4.0	5.3	6.7	6.6	...	9	9	9	8	...	314
321	Textiles	42.4	44.0	43.8	45.7	...	105	103	97	95	...	321
3211	Spinning,weaving etc..	26.4	27.6	28.1	28.7	...	61	61	59	56	...	3211
322	Wearing apparel	21.9	23.8	27.0	27.5	...	62	65	74	68	...	322
323	Leather and products ...	6.0	7.0	7.6	7.8	...	14	15	16	16	...	323
324	Footwear	9.8	9.1	9.2	9.6	...	30	27	27	28	...	324
331	Wood products	17.2	20.4	22.9	23.6	...	51	56	62	62	...	331
332	Furniture, fixtures	16.8	18.2	18.7	20.1	...	48	48	48	49	...	332
341	Paper and products	19.5	20.9	21.9	23.9	...	32	32	32	33	...	341
3411	Pulp,paper etc.	9.8	10.3	11.0	11.8	...	14	13	13	13	...	3411
342	Printing,publishing	26.8	31.7	35.1	41.8	...	43	47	48	53	...	342
351	Industrial chemicals ...	25.1	26.5	27.8	29.9	...	29	28	27	28	...	351
3511	Basic excl fertilizers	10.9	11.7	12.3	13.2	...	12	12	11	11	...	3511
3513	Synthetic resins etc .	8.9	9.4	10.0	10.7	...	10	10	10	11	...	3513
352	Other chemical products.	38.8	41.7	45.5	50.9	...	35	35	36	37	...	352
3522	Drugs and medicines ..	17.6	18.9	20.9	23.8	...	12	12	12	13	...	3522
353	Petroleum refineries ...	9.4	9.3	10.4	10.8	...	4	4	4	3	...	353
354	Petroleum,coal products.	2.7	3.1	3.2	3.2	...	4	4	4	4	...	354
355	Rubber products	17.9	19.6	19.9	20.0	...	27	27	26	25	...	355
356	Plastic products n.e.c..	19.8	21.5	23.6	27.0	...	40	41	43	45	...	356
361	Pottery,china etc	5.1	5.7	6.1	6.5	...	12	13	13	13	...	361
362	Glass and products	10.3	10.9	11.5	12.4	...	15	15	15	16	...	362
369	Non-metal products n.e.c	32.7	35.2	35.7	41.1	...	65	65	66	71	...	369
371	Iron and steel	52.1	53.0	55.9	58.3	...	68	64	63	60	...	371
372	Non-ferrous metals	12.2	12.7	13.7	15.2	...	17	16	16	17	...	372
381	Metal products	53.1	59.0	64.8	72.6	...	105	108	114	121	...	381
382	Machinery n.e.c.	56.1	62.0	67.6	73.0	...	94	96	101	100	...	382
3825	Office,computing etc..	1.7	2.1	2.7	2.9	...	1	2	2	2	...	3825
383	Electrical machinery ...	51.2	56.7	61.6	65.9	...	74	73	76	76	...	383
3832	Radio,television etc..	14.9	17.1	18.2	19.6	...	20	19	19	19	...	3832
384	Transport equipment	102.5	117.4	117.6	141.5	...	145	151	143	153	...	384
3841	Shipbuilding, repair..	16.9	19.5	15.7	21.7	...	25	26	18	25	...	3841
3843	Motor vehicles	71.7	83.2	87.3	103.1	...	103	108	109	112	...	3843
385	Professional goods	3.6	3.9	4.3	4.1	...	6	5	6	6	...	385
390	Other industries	7.0	7.3	7.9	8.8	...	16	16	16	16	...	390
3	Manufacturing	772.6	844.0	896.8	983.8	...	1355	1375	1408	1428	...	3
410	Electricity,gas,steam ..	64.6	67.9	68.1	66.4	...	32	32	31	30	...	410
4101	Electricity	60.3	64.5	63.3	61.2	...	31	31	30	28	...	4101
420	Water works and supply .	8.9	9.6	11.0	12.2	...	15	14	14	15	...	420
4	Electricity,gas etc	73.4	77.6	79.1	78.6	...	46	46	45	45	...	4
2-4	All industry	899.7	977.7	1035.6	1126.9	...	1469	1488	1518	1536	...	2-4

Note. For limitation of coverage and differences in classification, see country note.

ISIC	INDUSTRY	7. WAGES AND SALARIES OF OPERATIVES a/ (BILLION PESETAS)					8. HOURS WORKED BY OPERATIVES (MILLIONS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	77.8	79.5	85.0	89.0	...	64	58	58	56	...	210
220	Petroleum and gas	0.4	0.9	0.6	0.6	...	-	-	-	-	...	220
230	Metal ore mining	11.3	9.5	9.0	9.0	...	9	8	7	6	...	230
290	Other mining	20.8	23.2	25.5	28.0	...	29	30	31	32	...	290
2	Mining, quarrying	110.4	113.1	120.1	126.7	...	104	97	96	95	...	2
311/2	Food products	169.6	188.5	216.7	233.4	...	305	317	343	342	...	311/2
313	Beverages	60.2	65.7	58.5	63.0	...	66	67	56	57	...	313
314	Tobacco	14.6	16.2	17.3	17.3	...	15	15	15	13	...	314
321	Textiles	101.9	107.4	109.1	115.6	...	184	179	170	166	...	321
3211	Spinning,weaving etc.	63.3	67.1	70.2	73.3	...	105	105	101	97	...	3211
322	Wearing apparel	49.4	55.4	65.3	65.6	...	109	114	131	120	...	322
323	Leather and products	15.5	18.3	20.2	21.4	...	25	27	28	28	...	323
324	Footwear	25.7	24.8	25.3	27.0	...	52	48	48	50	...	324
331	Wood products	44.0	52.3	61.3	65.1	...	93	104	113	112	...	331
332	Furniture, fixtures	43.7	45.8	48.2	53.4	...	88	87	87	88	...	332
341	Paper and products	45.0	48.2	52.0	58.0	...	57	57	57	58	...	341
3411	Pulp,paper etc.	22.4	23.2	25.8	28.4	...	25	23	24	23	...	3411
342	Printing,publishing	59.3	67.2	75.2	88.4	...	78	84	87	95	...	342
351	Industrial chemicals	48.8	52.3	55.1	60.6	...	51	49	48	48	...	351
3511	Basic excl fertilizers	20.5	22.4	23.7	26.3	...	21	21	20	20	...	3511
3513	Synthetic resins etc	18.4	19.8	21.1	23.6	...	18	18	18	18	...	3513
352	Other chemical products.	50.6	54.7	59.7	67.5	...	62	62	63	65	...	352
3522	Drugs and medicines	17.7	19.4	20.9	24.6	...	21	21	21	22	...	3522
353	Petroleum refineries	9.9	11.6	10.5	10.1	...	7	7	6	5	...	353
354	Petroleum,coal products.	5.5	6.4	6.9	7.0	...	6	7	7	7	...	354
355	Rubber products	37.0	41.8	44.0	46.2	...	47	47	45	43	...	355
356	Plastic products n.e.c.	47.2	51.3	57.5	66.3	...	71	73	76	81	...	356
361	Pottery,china etc	12.8	14.6	16.0	17.5	...	21	22	22	22	...	361
362	Glass and products	21.1	22.7	25.2	27.3	...	27	26	27	28	..	362
369	Non-metal products n.e.c	77.2	82.2	90.3	106.8	...	118	118	119	128	...	369
371	Iron and steel	106.0	107.5	115.1	119.2	...	115	108	108	103	...	371
372	Non-ferrous metals	25.6	26.5	28.4	33.7	...	30	28	27	30	...	372
381	Metal products	126.5	139.3	157.4	182.1	...	187	192	202	216	...	381
382	Machinery n.e.c.	125.8	137.8	154.6	169.8	...	168	172	180	180	...	382
3825	Office,computing etc.	2.4	3.0	3.9	4.5	...	3	3	4	4	...	3825
383	Electrical machinery	97.7	105.9	120.7	133.6	...	123	125	130	132	...	383
3832	Radio,television etc.	26.0	28.5	31.7	38.3	...	33	33	32	33	...	3832
384	Transport equipment	219.8	232.5	235.0	311.0	...	216	242	234	258	...	384
3841	Shipbuilding, repair.	29.5	32.2	26.4	44.6	...	32	34	25	42	...	3841
3843	Motor vehicles	166.0	173.9	178.4	235.4	...	156	182	183	191	...	3843
385	Professional goods	7.1	7.2	8.4	8.7	...	10	10	10	10	...	385
390	Other industries	16.9	17.6	19.5	21.9	...	28	28	29	29	...	390
3	Manufacturing	1664.5	1801.3	1953.4	2197.5	...	2357	2415	2468	2514	...	3
410	Electricity,gas,steam	76.8	82.6	87.2	99.5	...	56	55	53	50	...	410
4101	Electricity	72.5	77.5	87.2	94.8	...	54	53	50	48	...	4101
420	Water works and supply	18.1	18.4	20.7	24.4	...	23	21	22	23	...	420
4	Electricity,gas etc	94.9	101.0	108.0	123.8	...	79	76	75	73	...	4
2-4	All industry	1869.8	2015.4	2181.4	2447.9	...	2540	2589	2640	2682	...	2-4

Note. For limitation of coverage and differences in classification, see country note.

a/ Mining and electricity and major groups 353 and 354 include contributions to social security scheme.

SPAIN

ISIC	INDUSTRY	9. QUANTITY OF ELECTRICITY CONSUMED (MILLION KWH)					10. OUTPUT IN FACTOR VALUES (BILLION PESETAS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	1084	1065	1138	1135	...	268	273	275	303	...	210
220	Petroleum and gas	21	18	19	8	...	38	37	32	36	...	220
230	Metal ore mining	801	668	699	776	...	57	50	59	72	...	230
290	Other mining	633	633	693	747	...	115	123	146	160	...	290
2	Mining, quarrying .	2539	2384	2549	2666	...	477	484	512	571	...	2
311/2	Food products	3528	3670	3986	4041	...	3267	3535	3991	4360	...	311/2
313	Beverages	645	679	697	698	...	749	863	882	898	...	313
314	Tobacco	64	71	74	74	...	207	225	221	221	...	314
321	Textiles	1888	1993	2039	2181	...	769	812	828	875	...	321
3211	Spinning,weaving etc..	1512	1610	1648	1780	...	483	499	513	538	...	3211
322	Wearing apparel	181	204	218	233	...	353	403	462	487	...	322
323	Leather and products ...	151	182	193	190	...	168	204	211	218	...	323
324	Footwear	119	114	133	142	...	197	183	215	227	...	324
331	Wood products	825	865	893	952	...	322	383	484	549	...	331
332	Furniture, fixtures	316	339	335	383	...	246	277	305	347	...	332
341	Paper and products	3135	3372	3324	3315	...	543	584	627	699	...	341
3411	Pulp,paper etc.	2765	2974	2951	2926	...	270	288	321	350	...	3411
342	Printing,publishing	319	361	416	547	...	454	575	697	892	...	342
351	Industrial chemicals ...	6786	7054	7747	8331	...	1009	1053	1156	1216	...	351
3511	Basic excl fertilizers	4456	4732	5343	5890	...	524	562	617	660	...	3511
3513	Synthetic resins etc .	1454	1525	1676	1766	...	328	341	386	393	...	3513
352	Other chemical products.	732	797	903	974	...	926	1026	1170	1352	...	352
3522	Drugs and medicines ..	326	349	402	424	...	342	385	446	532	...	3522
353	Petroleum refineries ...	1513	1411	1764	1862	...	968	901	704	861	...	353
354	Petroleum,coal products.	153	133	236	162	...	143	142	146	129	...	354
355	Rubber products	688	724	756	768	...	248	279	308	312	...	355
356	Plastic products n.e.c..	1000	1090	1129	1396	...	427	482	544	628	...	356
361	Pottery,china etc	143	159	177	173	...	50	56	67	72	...	361
362	Glass and products	648	685	770	806	...	157	175	200	221	...	362
369	Non-metal products n.e.c	3946	4093	4321	4858	...	655	733	833	984	...	369
371	Iron and steel	8485	8408	8894	8671	...	1020	989	1128	1293	...	371
372	Non-ferrous metals	7193	6857	6481	7285	...	372	381	496	536	...	372
381	Metal products	1208	1315	1503	1571	...	826	944	1110	1306	...	381
382	Machinery n.e.c.	676	745	806	859	...	923	1060	1182	1385	...	382
3825	Office,computing etc..	41	43	43	44	...	103	103	124	134	...	3825
383	Electrical machinery ...	982	1026	1127	1166	...	872	997	1173	1406	...	383
3832	Radio,television etc..	148	162	172	194	...	260	314	393	511	...	3832
384	Transport equipment	1834	1969	2090	2223	...	1944	2695	3145	3499	...	384
3841	Shipbuilding, repair..	134	113	110	48	...	136	146	116	240	...	3841
3843	Motor vehicles	1553	1702	1820	1995	...	1674	2376	2813	3005	...	3843
385	Professional goods	32	31	34	34	...	45	60	59	62	...	385
390	Other industries	120	116	114	128	...	128	137	161	181	...	390
3	Manufacturing.....	47309	48466	51161	54024	...	17993	20153	22503	25216	...	3
410	Electricity,gas,steam ..	6274	6201	5961	7120	...	1960	1975	2356	2748	...	410
4101	Electricity	6200	6125	5877	7035	...	1820	1854	2218	2590	...	4101
420	Water works and supply .	1294	1490	1594	1834	...	122	139	158	178	...	420
4	Electricity,gas etc	7568	7691	7556	8954	...	2082	2114	2513	2926	...	4
2-4	All industry	57415	58541	61265	65643	...	20553	22751	25529	28712	...	2-4

Note. For limitation of coverage and differences in classification, see country note.

ISIC	INDUSTRY	11. VALUE ADDED IN FACTOR VALUES (BILLION PESETAS)					12. GROSS FIXED CAPITAL FORMATION TOTAL (BILLION PESETAS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	164	175	177	199	...	34.3	31.1	31.9	35.0	...	210
220	Petroleum and gas	33	33	29	33	...	8.0	0.4	0.7	0.4	...	220
230	Metal ore mining	23	24	29	38	...	12.2	4.3	4.5	6.7	...	230
290	Other mining	65	69	85	91	...	11.6	9.8	13.2	16.1	...	290
2	Mining, quarrying .	284	302	320	362	...	66.2	45.6	50.3	58.2	...	2
311/2	Food products	776	852	911	1037	...	67.9	79.5	68.3	98.5	...	311/2
313	Beverages	309	345	370	362	...	29.2	43.6	38.9	49.4	...	313
314	Tobacco	87	88	92	93	...	5.2	11.3	9.7	8.0	...	314
321	Textiles	302	314	319	339	...	28.1	34.9	37.7	33.0	...	321
3211	Spinning,weaving etc..	186	197	202	210	...	18.6	23.7	26.4	22.1	...	3211
322	Wearing apparel	145	167	189	199	...	4.8	6.3	5.8	9.7	...	322
323	Leather and products ...	48	55	56	61	...	3.3	4.7	3.8	4.1	...	323
324	Footwear	75	67	77	79	...	3.6	2.3	2.4	4.0	...	324
331	Wood products	131	145	184	206	...	10.5	11.6	16.5	22.1	...	331
332	Furniture, fixtures	110	115	125	136	...	6.4	8.2	10.0	9.7	...	332
341	Paper and products	177	188	197	216	...	24.6	27.1	33.3	39.1	...	341
3411	Pulp,paper etc.	90	96	102	111	...	17.8	17.0	22.2	23.6	...	3411
342	Printing,publishing	252	298	347	400	...	15.4	30.3	25.9	34.2	...	342
351	Industrial chemicals ...	323	365	396	390	...	33.5	41.7	54.9	57.4	...	351
3511	Basic excl fertilizers	179	218	241	237	...	16.9	18.7	31.8	34.1	...	3511
3513	Synthetic resins etc .	100	99	106	106	...	13.4	18.7	17.1	14.9	...	3513
352	Other chemical products.	349	383	421	495	...	30.1	36.4	40.0	51.7	...	352
3522	Drugs and medicines ..	137	153	172	212	...	11.0	13.0	12.3	23.4	...	3522
353	Petroleum refineries ...	349	266	166	174	...	4.5	13.5	15.1	40.7	...	353
354	Petroleum,coal products.	46	57	53	36	...	2.3	3.4	4.5	2.7	...	354
355	Rubber products	116	138	150	154	...	6.2	8.7	10.9	15.0	...	355
356	Plastic products n.e.c..	149	167	185	215	...	18.0	20.4	28.2	32.6	...	356
361	Pottery,china etc	30	32	38	40	...	2.9	3.8	4.2	4.9	...	361
362	Glass and products	82	91	103	113	...	10.3	13.0	18.6	22.5	...	362
369	Non-metal products n.e.c	289	328	375	420	...	30.5	38.9	47.3	52.8	...	369
371	Iron and steel	322	330	348	407	...	93.8	92.6	75.0	67.0	...	371
372	Non-ferrous metals	100	108	146	149	...	7.5	11.4	16.0	21.9	...	372
381	Metal products	358	397	447	519	...	32.1	34.5	46.2	49.8	...	381
382	Machinery n.e.c.	412	452	478	557	...	28.3	33.3	38.6	50.6	...	382
3825	Office,computing etc..	28	28	40	50	...	2.6	3.1	2.9	4.2	...	3825
383	Electrical machinery ...	373	412	470	536	...	33.1	36.9	49.7	66.7	...	383
3832	Radio,television etc..	108	129	161	198	...	10.9	12.0	17.8	26.5	...	3832
384	Transport equipment	580	895	950	1051	...	40.1 a/	42.5 a/	54.0 a/	112.5	...	384
3841	Shipbuilding, repair..	47	75	40	105	...	5.3	3.9	3.8	4.1	...	3841
3843	Motor vehicles	468	739	812	835	...	29.3	31.5	38.5	96.3	...	3843
385	Professional goods	22	31	30	30	...	1.1	2.0	2.7	2.4	...	385
390	Other industries	55	56	63	71	...	3.5	4.8	4.3	5.2	...	390
3	Manufacturing	6370	7144	7688	8488	...	576.9	697.4	762.4	968.4	...	3
410	Electricity,gas,steam ..	966	994	1207	1334	...	433.3	522.3	305.7	283.2	...	410
4101	Electricity	924	951	1161	1286	...	408.3	487.7	272.3	250.2	...	4101
420	Water works and supply .	70	79	91	99	...	15.9	23.3	29.0	33.3	...	420
4	Electricity,gas etc	1036	1073	1298	1433	...	449.3	545.6	334.7	316.5	...	4
2-4	All industry	7690	8519	9305	10282	...	1092.3	1288.5	1147.4	1343.0	...	2-4

Note. For limitation of coverage and differences in classification, see country note.

a/ Excluding ISIC 3842.

SPAIN

ISIC	INDUSTRY	13. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/ (BILLION PESETAS)					14. VALUE OF STOCKS AT END OF PERIOD TOTAL (BILLION PESETAS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	11.7	10.8	11.3	11.0	...	17.5	21.6	17.2	16.0	...	210
220	Petroleum and gas	-	0.2	0.5	-	...	0.2	0.2	0.1	0.3	...	220
230	Metal ore mining	6.0	1.1	0.3	2.2	...	6.9	4.9	8.0	5.7	...	230
290	Other mining	3.2	1.8	2.2	2.5	...	7.9	8.5	8.3	10.9	...	290
2	Mining, quarrying .	20.9	13.9	14.3	15.7	...	32.5	35.2	33.5	33.0	...	2
311/2	Food products	52.7	61.2	70.3	78.3	...	369.6	359.6	376.0	396.8	...	311/2
313	Beverages	23.1	36.2	36.2	38.5	...	88.1	143.7	312.7	164.3	...	313
314	Tobacco	3.1	10.9	7.6	5.3	...	38.2	33.5	33.3	46.8	...	314
321	Textiles	24.7	30.1	34.1	28.8	...	127.0	128.3	137.7	154.7	...	321
3211	Spinning,weaving etc..	16.6	20.7	23.8	19.3	...	77.0	73.4	81.4	92.5	...	3211
322	Wearing apparel	4.2	4.9	4.7	5.5	...	63.9	73.8	83.1	88.5	...	322
323	Leather and products ...	3.0	3.6	3.2	3.4	...	33.1	41.6	45.6	50.7	...	323
324	Footwear	3.4	2.2	1.9	3.5	...	23.7	22.0	27.6	30.4	...	324
331	Wood products	8.0	9.1	13.1	16.3	...	42.6	48.5	59.3	74.6	...	331
332	Furniture, fixtures	4.9	6.4	8.0	7.3	...	45.7	47.9	51.8	56.9	...	332
341	Paper and products	20.5	25.8	30.3	35.2	...	58.2	57.2	65.7	83.6	...	341
3411	Pulp,paper etc.	14.5	16.8	20.8	21.7	...	31.7	25.8	32.3	43.1	...	3411
342	Printing,publishing	12.8	26.4	21.7	33.4	...	63.2	93.7	98.5	100.9	...	342
351	Industrial chemicals ...	29.4	36.5	48.0	47.2	...	111.7	118.2	131.8	145.3	...	351
3511	Basic excl fertilizers	14.9	15.8	27.0	30.1	...	43.7	43.8	52.3	57.7	...	3511
3513	Synthetic resins etc .	12.1	17.1	15.8	14.3	...	41.6	48.7	53.4	58.2	...	3513
352	Other chemical products.	24.3	29.4	31.8	40.9	...	151.0	164.0	176.5	199.6	...	352
3522	Drugs and medicines ..	8.8	10.7	10.3	18.0	...	68.1	72.7	75.2	91.2	...	3522
353	Petroleum refineries ...	6.7	9.8	13.5	25.6	...	97.6	106.1	84.8	107.5	...	353
354	Petroleum,coal products.	0.9	1.8	2.8	2.3	...	4.3	4.5	5.0	6.8	...	354
355	Rubber products	5.6	7.8	9.8	13.4	...	31.9	38.8	40.1	41.4	...	355
356	Plastic products n.e.c..	15.2	17.7	23.0	26.1	...	48.6	56.1	65.0	77.4	...	356
361	Pottery,china etc	2.3	3.0	3.8	4.2	...	10.2	11.0	13.0	14.9	...	361
362	Glass and products	8.7	11.9	14.0	18.8	...	24.0	27.8	27.4	30.5	...	362
369	Non-metal products n.e.c	24.7	29.4	41.9	41.9	...	71.8	75.1	87.7	107.5	...	369
371	Iron and steel	90.3	84.2	70.5	59.7	...	224.2	219.7	214.8	227.0	...	371
372	Non-ferrous metals	6.8	10.2	14.9	19.7	...	52.3	55.0	63.8	63.1	...	372
381	Metal products	27.1	29.6	38.0	39.6	...	133.3	144.0	161.8	181.8	...	381
382	Machinery n.e.c.	22.5	27.2	33.6	41.0	...	177.9	205.3	220.0	260.5	...	382
3825	Office,computing etc..	2.1	2.6	2.5	3.0	...	17.3	13.9	19.9	19.2	...	3825
383	Electrical machinery ...	30.2	32.3	43.7	51.5	...	150.4	170.4	202.7	247.0	...	383
3832	Radio,television etc..	9.3	10.3	14.4	16.1	...	49.7	62.1	83.9	107.5	...	3832
384	Transport equipment	35.6	35.2	43.6	97.5	...	314.5	296.8	332.2	353.8	...	384
3841	Shipbuilding, repair..	2.2	2.8	2.7	2.6	...	77.2	44.6	58.0	28.6	...	3841
3843	Motor vehicles	29.6	26.5	31.9	84.9	...	192.9	204.8	219.5	247.2	...	3843
385	Professional goods	1.1	1.6	2.0	2.3	...	8.2	10.5	10.1	10.9	...	385
390	Other industries	2.9	3.9	3.7	3.9	...	21.2	22.5	26.3	28.7	...	390
3	Manufacturing	494.9	588.2	669.8	791.0	...	2586.4	2775.9	3154.5	3351.8	...	3
410	Electricity,gas,steam ..	296.1	263.3	178.2	20.9	...	111.7 b/	87.2 b/	107.2 b/	113.0 b/	...	410
4101	Electricity	289.1	252.4	161.7	-	...	108.3	85.6	104.5	107.6	...	4101
420	Water works and supply .	5.8	8.7	12.9	16.1	...	2.7	3.9	4.1	4.9	...	420
4	Electricity,gas etc	301.9	272.0	191.2	37.1	...	114.4	91.1	111.4	118.0	...	4
2-4	All industry	817.7	874.0	875.3	843.8	...	2733.4	2902.2	3299.4	3502.7	...	2-4

a/ The value of sales is not deducted.

b/ Gas only.

15. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	131	132	131	133	128	116	108	121	120	2.3	210
220	Petroleum and gas	95	185	139	130	112	102	91	64	49	-8.5	220
230	Metal ore mining	102	106	129	124	110	71	71	83	63	-5.6	230
290	Other mining	97	97	106	99	100	94	105	92	82	-2.5	290
2	Mining, quarrying .	122	129	131	130	124	107	102	110	104	0.5	2
311/2	Food products											311/2
313	Beverages	104	111	112	117	116	125	129	127	133	3.6	313
314	Tobacco											314
321	Textiles	92	94	92	96	104	108	100	105	102	0.2	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... b/	94	90	88	86	85	84	79	80	81	-2.6	322
323	Leather and products ...	133	138	153	152	158	158	144	148	140	4.3	323
324	Footwear ..... b/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	97	96	91	84	97	104	108	112	106	0.7	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products ..... c/	93	100	107	104	111	116	116	124	123	2.6	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... c/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... d/	98	98	103	106	108	109	111	116	116	1.9	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. d/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	88	89	96	98	107	103	100	108	115	1.8	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	96	97	100	105	106	114	119	120	117	2.0	355
356	Plastic products n.e.c..											356
361	Pottery,china etc											361
362	Glass and products	94	95	90	85	91	94	102	110	113	1.5	362
369	Non-metal products n.e.c											369
371	Iron and steel	99	101	105	107	99	98	101	108	104	0.5	371
372	Non-ferrous metals											372
381	Metal products	93	94	87	89	90	98	106	116	118	2.1	381
382	Machinery n.e.c.	98	88	90	98	104	105	108	116	115	1.8	382
3825	Office,computing etc..	52	44	37	31	27	25	23	18	15	-21.1	3825
383	Electrical machinery ...	92	90	93	92	108	127	139	146	141	4.4	383
3832	Radio,television etc..	79	86	87	86	111	147	166	158	148	5.0	3832
384	Transport equipment	96	98	87	90	100	112	127	138	140	4.3	384
3841	Shipbuilding, repair..	110	69	35	37	47	51	61	78	78	-3.1	3841
3843	Motor vehicles	89	108	110	119	132	148	167	179	177	7.4	3843
385	Professional goods	95	95	93	98	102	128	118	143	171	6.9	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	96	99	99	101	105	111	114	119	119	2.2	3
410	Electricity,gas,steam ..	103	106	109	116	117	122	127	133	136	3.9	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	98	101	101	103	107	112	115	120	120	2.3	2-4

a/ Annual growth rate 1982-1990.
b/ Major group 324 is included in 322.
c/ Major group 342 is included in 341.
d/ Major group 352 is included in 351.

The information in the tables, except for the indices, is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Department of Census and Statistics, Colombo.

The data are derived from a series of Annual Surveys of Industries taken by the Department of Census and Statistics. The surveys cover establishments with five or more persons engaged in mining and quarrying, manufacturing and electricity, gas and water supply. The inquiry is carried out by mail, followed up by field enumerators. The data are not adjusted for non-response and represent only the sample values.

The national industrial classification scheme follows the present version of the ISIC. The concepts and definitions are generally in accordance with the United Nations standards, although the following points should be noted:

Output refers to census output. The data are not adjusted for the cost of purchases of goods for resale without further processing. Census output and census value added are valued at producers' prices.

The index numbers of industrial production are compiled by the Department of Census and Statistics and are provided in response to the United Nations Questionnaire on Indices of Industrial Production. The indices cover, in principle, all major industrial establishments.

Related national publication:

Annual Survey of Industries - 1989 (Report 1), published by the Department of Census and Statistics, Colombo.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas	-	-	-	-	...	-	-	-	-	...	220
230	Metal ore mining	-	-	-	-	...	-	-	-	-	...	230
290	Other mining	153	131	110	103	...	7110	6133	3237	4900	...	290
2	Mining, quarrying .	153	131	110	103	...	7110	6133	3237	4900	...	2
311/2	Food products	841	721	712	709	...	45923	40629	33583	42982	...	311/2
313	Beverages	18	14	22	20	...	4605	5462	5106	6447	...	313
314	Tobacco	400	361	357	309	...	9249	5978	7138	8183	...	314
321	Textiles	629	543	523	518	...	45944	42828	40619	47163	...	321
3211	Spinning,weaving etc..	...	402	409	382	...	...	28754	26772	27685	...	3211
322	Wearing apparel	97	94	169	146	...	32554	36950	50374	55110	...	322
323	Leather and products ...	16	18	15	13	...	2009	1858	939	911	...	323
324	Footwear	15	11	16	8	...	3244	4124	4301	4382	...	324
331	Wood products	106	141	139	134	...	6688	7024	6222	4870	...	331
332	Furniture, fixtures	99	77	77	85	...	2746	1928	1620	1785	...	332
341	Paper and products	22	23	17	31	...	4551	4198	4499	4773	...	341
3411	Pulp,paper etc.	...	6	9	9	...	...	3466	3600	3579	...	3411
342	Printing,publishing	89	71	74	57	...	3693	5285	7091	7552	...	342
351	Industrial chemicals ...	12	16	13	10	...	1227	604	531	608	...	351
3511	Basic excl fertilizers	...	7	5	5	...	...	82	199	384	...	3511
3513	Synthetic resins etc .	...	5	-	-	...	...	350	-	-	...	3513
352	Other chemical products.	88	74	66	64	...	4912	5006	3742	3598	...	352
3522	Drugs and medicines ..	...	17	16	17	...	...	1100	1073	1076	...	3522
353	Petroleum refineries ...	[3	2	2	2]	...	[3834	5775	1052	1141]	...	353
354	Petroleum,coal products.					...					...	354
355	Rubber products	177	159	156	164	...	11564	8359	9055	10936	...	355
356	Plastic products n.e.c..	18	21	29	18	...	2843	1547	2115	1403	...	356
361	Pottery,china etc	43	43	30	37	...	3787	5244	6604	6877	...	361
362	Glass and products	12	13	13	7	...	1084	824	1094	824	...	362
369	Non-metal products n.e.c	229	211	196	194	...	13049	12865	13053	12556	...	369
371	Iron and steel	[11	5	7]	4	...	[2028	1656	2043]	1672	...	371
372	Non-ferrous metals				4	...				282	...	372
381	Metal products	131	110	100	91	...	2785	5620	4018	3877	...	381
382	Machinery n.e.c.	29	48	36	34	...	2862	1985	2080	3592	...	382
3825	Office,computing etc..	...	2	-	2	...	...	15	-	84	...	3825
383	Electrical machinery ...	23	22	27	22	...	1188	1246	1462	1452	...	383
3832	Radio,television etc..	...	1	5	3	...	...	58	149	119	...	3832
384	Transport equipment	36	37	40	38	...	1199	1442	5685	4908	...	384
3841	Shipbuilding, repair..	...	10	4	5	...	...	467	549	241	...	3841
3843	Motor vehicles	...	21	28	24	...	...	472	936	701	...	3843
385	Professional goods	6	9	-	7	...	180	247	-	176	...	385
390	Other industries	71	64	59	53	...	3398	3581	5252	5643	...	390
3	Manufacturing	3221	2908	2895	2779	...	217146	212223	219278	243703	...	3
410	Electricity,gas,steam ..	18	19	19	2	...	12506	13420	13470	13943	...	410
4101	Electricity	...	...	18	1	...	...	13382	13431	13905	...	4101
420	Water works and supply .	103	103	103	1	...	6244	6504	6940	7358	...	420
4	Electricity,gas etc	121	122	122	3	...	18750	19924	20410	21301	...	4
2-4	All industry	3495	3161	3127	2885	...	243006	238280	242925	269904	...	2-4

a/ Establishment with 5 or more persons engaged.

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ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION RUPEES)					4. OUTPUT IN PRODUCERS' PRICES a/b/ (MILLION RUPEES)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas	-	-	-	-	...	-	-	-	-	...	220
230	Metal ore mining	-	-	-	-	...	-	-	-	-	...	230
290	Other mining	103	91	37	116	...	385	430	161	600	...	290
2	Mining, quarrying .	103	91	37	116	...	385	430	161	600	...	2
311/2	Food products	621	595	543	698	...	12486	12912	14686	20661	...	311/2
313	Beverages	80	120	155	221	...	3111	3310	3206	3771	...	313
314	Tobacco	160	148	155	149	...	4872	5382	5776	5187	...	314
321	Textiles	620	573	694	869	...	3805	4147	4330	5853	...	321
3211	Spinning,weaving etc..	...	414	496	564	...	...	2574	2697	3098	...	3211
322	Wearing apparel	383	466	732	1014	...	3006	3878	6550	8781	...	322
323	Leather and products ...	29	26	15	13	...	119	260	87	66	...	323
324	Footwear	71	87	103	119	...	375	531	636	981	...	324
331	Wood products	150	129	147	108	...	632	620	399	336	...	331
332	Furniture, fixtures	20	14	18	14	...	115	82	55	50	...	332
341	Paper and products	94	99	144	156	...	993	842	1167	1141	...	341
3411	Pulp,paper etc.	...	85	119	123 c/	...	...	675	700	572	...	3411
342	Printing,publishing	49	133	200	240	...	552	798	1042	1230	...	342
351	Industrial chemicals ...	17	9	12	26	...	451	252	374	402	...	351
3511	Basic excl fertilizers	...	1	3	16	...	...	10	63	150	...	3511
3513	Synthetic resins etc .	...	5	-	-	...	...	99	-	-	...	3513
352	Other chemical products.	112	133	159	155	...	1433	1695	2388	2490	...	352
3522	Drugs and medicines ..	...	28	33	35	...	...	250	234	236	...	3522
353	Petroleum refineries ...	[128	285	75	81]	...	[12425	10805	10032	7952]	...	353
354	Petroleum,coal products.					...					...	354
355	Rubber products	180	153	155	185	...	1819	1622	2045	2284	...	355
356	Plastic products n.e.c..	54	30	37	29	...	309	275	699	466	...	356
361	Pottery,china etc	78	106	182	220	...	369	557	986	1023	...	361
362	Glass and products	19	17	29	33	...	105	106	189	171	...	362
369	Non-metal products n.e.c	217	256	406	370	...	2208	2059	2354	2761	...	369
371	Iron and steel	[47	47	62]	49	...	[440	436	713]	505	...	371
372	Non-ferrous metals				9	...				219	...	372
381	Metal products	68	89	66	89	...	419	945	710	1160	...	381
382	Machinery n.e.c.	84	31	31	86	...	395	209	191	853	...	382
3825	Office,computing etc..	...	-	-	2	...	...	...	...	22	...	3825
383	Electrical machinery ...	23	25	33	39	...	336	837	506	684	...	383
3832	Radio,television etc..	...	1	3	2	...	...	21	62	58	...	3832
384	Transport equipment	15	19	93	94	...	123	180	679	622	...	384
3841	Shipbuilding, repair..	...	1	1	10	...	...	80	189	223	...	3841
3843	Motor vehicles	...	1	15	13	...	...	33	99	53	...	3843
385	Professional goods	3	3	-	4	...	13	16	-	14	...	385
390	Other industries	46	39	115	117	...	898	904	1724	1773	...	390
3	Manufacturing	3368	3627	4361	5187	...	51809	53645	61524	71436	...	3
410	Electricity,gas,steam ..	240	237	237	177	...	3356	5422	4748	4419	...	410
4101	Electricity	...	235 c/	235	175 c/	...	...	...	4737	4405	...	4101
420	Water works and supply .	64	70	150	193	...	225	254	323	293	...	420
4	Electricity,gas etc	304	307	387	370	...	3581	5676	5071	4712	...	4
2-4	All industry	3775	4024	4785	5671	...	55775	59751	66756	76746	...	2-4

a/ Establishment with 5 or more persons engaged. b/ Excluding goods sold in the same condition as received.
c/ Value added is less than corresponding wages and salaries due to operating losses.

ISIC	INDUSTRY	5. VALUE ADDED IN PRODUCERS' PRICES a/b/ (MILLION RUPEES)					6. GROSS FIXED CAPITAL FORMATION TOTAL a/c/ (MILLION RUPEES)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	-	-	-	...	-	...	-	-	...	210
220	Petroleum and gas	...	-	-	-	...	-	...	-	-	...	220
230	Metal ore mining	...	-	-	-	...	-	...	-	-	...	230
290	Other mining	...	355	139	543	...	11	...	67	5	...	290
2	Mining, quarrying .	...	355	139	543	...	11	...	67	5	...	2
311/2	Food products	...	4577	4998	7523	...	369	...	426	339	...	311/2
313	Beverages	...	2606	2573	2795	...	27	...	25	101	...	313
314	Tobacco	...	4677	5214	4473	...	63	...	89	265	...	314
321	Textiles	...	2121	2017	2384	...	137	...	217	307	...	321
3211	Spinning,weaving etc..	...	1461	1380	1329	...	...	...	139	166	...	3211
322	Wearing apparel	...	1548	2518	3719	...	130	...	209	317	...	322
323	Leather and products ...	...	92	51	31	...	13	...	-	19	...	323
324	Footwear	...	208	353	644	...	23	...	10	58	...	324
331	Wood products	...	371	258	194	...	5	...	22	19	...	331
332	Furniture, fixtures	...	46	30	24	...	1	...	1	2	...	332
341	Paper and products	...	408	637	322	...	17	...	62	31	...	341
3411	Pulp,paper etc.	...	344	507	112 d/	...	...	...	34	25	...	3411
342	Printing,publishing	...	295	376	323	...	64	...	78	93	...	342
351	Industrial chemicals ...	...	72	87	211	...	20	...	83	30	...	351
3511	Basic excl fertilizers	...	3	16	100	...	...	...	79	26	...	3511
3513	Synthetic resins etc .	...	30	-	-	...	...	...	-	-	...	3513
352	Other chemical products.	...	825	760	737	...	107	...	97	96	...	352
3522	Drugs and medicines ..	...	144	105	83	...	...	...	13	11	...	3522
353	Petroleum refineries ...	...	[945	360	433]	...	[46	16	18	16]	...	353
354	Petroleum,coal products.	...				...					...	354
355	Rubber products	...	803	970	1165	...	48	...	139	58	...	355
356	Plastic products n.e.c..	...	112	271	140	...	26	...	16	9	...	356
361	Pottery,china etc	...	260	446	513	...	6	...	30	53	...	361
362	Glass and products	...	34	111	113	...	1	...	19	31	...	362
369	Non-metal products n.e.c	...	905	946	1015	...	28	...	104	282	...	369
371	Iron and steel	...	[117	211]	141	...	[3]	...	[11]	9	...	371
372	Non-ferrous metals	...			72	...		...		10	...	372
381	Metal products	...	431	336	439	...	15	...	73	217	...	381
382	Machinery n.e.c.	...	68	86	439	...	282	...	8	8	...	382
3825	Office,computing etc..	...	-	-	10	...	...	...	-	3	...	3825
383	Electrical machinery ...	...	128	191	318	...	36	...	20	27	...	383
3832	Radio,television etc..	...	5	20	10	...	...	...	3	1	...	3832
384	Transport equipment	...	68	227	307	...	4	...	17	85	...	384
3841	Shipbuilding, repair..	...	29	68	184	...	...	...	14	84	...	3841
3843	Motor vehicles	...	18	55	32	...	...	...	1	1	...	3843
385	Professional goods	...	8	-	5	...	-	...	-	-	...	385
390	Other industries	...	367	786	530	...	45	...	229	25	...	390
3	Manufacturing	...	22092	24816	29010	...	1516	2507	2004	2507	...	3
410	Electricity,gas,steam ..	...	4248	4425	4348	...	4956	...	5507	1547	...	410
4101	Electricity	...	4246	4423	4342	...	...	...	5470	1547	...	4101
420	Water works and supply .	...	32 d/	157	140 d/	...	1974	...	15	777	...	420
4	Electricity,gas etc	...	4280	4582	4488	...	6930	...	5522	2324	...	4
2-4	All industry	...	26727	29537	34039	...	8457	...	7592	4835	...	2-4

a/ Establishment with 5 or more persons engaged.
b/ Excluding goods sold in the same condition as received.
c/ Capital expenditure.
d/ Value added is less than corresponding wages and salaries due to operating losses.

7. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY		1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining		...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas		...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining		...	...	...	...	...	...	...	...	...	...	230
290	Other mining		...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying		...	...	...	...	...	...	...	...	...	...	2
311/2	Food products												311/2
313	Beverages		94	83	59	55	52	46	46	52	56	-7.0	313
314	Tobacco												314
321	Textiles	b/	162	151	168	221	248	238	235	234	309	15.1	321
3211	Spinning,weaving etc.		...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	b/c/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products	b/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	b/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products		96	103	94	88	65	66	64	71	80	-2.8	331
332	Furniture, fixtures												332
341	Paper and products		102	104	90	109	123	128	103	60	126	2.9	341
3411	Pulp,paper etc.		...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing		...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals	d/	106	84	100	88	92	92	101	91	84	-2.2	351
3511	Basic excl fertilizers		...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc		...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	d/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines		...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries	d/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	d/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	d/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.	d/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc												361
362	Glass and products		88	83	71	69	88	95	124	144	130	3.3	362
369	Non-metal products n.e.c												369
371	Iron and steel		54	55	37	20	32	36	32	28	34	-12.6	371
372	Non-ferrous metals												372
381	Metal products	e/	84	67	76	88	119	86	83	89	102	0.2	381
382	Machinery n.e.c.												382
3825	Office,computing etc.		...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery	e/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc.		...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	e/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair.		...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles		...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	e/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries		...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing		110	94	100	95	102	98	99	110	120	2.3	3
410	Electricity,gas,steam		...	...	...	...	...	...	...	...	...	...	410
4101	Electricity		...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply		...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc		...	...	...	...	...	...	...	...	...	...	4
2-4	All industry		...	...	...	...	...	...	...	...	...	...	2-4

a/ Annual growth rate 1982-1990.
b/ Major groups 322 to 324 are included in 321.
c/ Some textile manufacturing is included in major group 322.
d/ Major groups 352 to 356 are included in 351.
e/ Major groups 383 to 385 are included in 381 and 382 combined.

SURINAME

The information in the tables is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Algemeen Bureau voor de Statistiek, Paramaribo. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The data in the tables are derived from the quarterly industrial survey covering all industrial establishments conducted by the above-mentioned statistical office. The statistics are compiled according to the present version of ISIC. Manufacturing data are available only for selected industries.

SURINAME

ISIC	INDUSTRY	1. AVERAGE NUMBER OF PERSONS ENGAGED a/ (NUMBER)					2. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION GUILDERS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas	170	193	249	289	...	2.5	3.3	6.7	8.7	...	220
230	Metal ore mining	4220	3394	3012	2980	...	181.1	142.3	141.4	151.8	...	230
290	Other mining	31	19	-	-	...	0.2	-	-	-	...	290
2	Mining, quarrying .	4421	3606	3261	3269	...	183.8	145.6	148.1	160.5	...	2
311/2	Food products	3177	2989	2608	2668	...	36.2	34.8	33.7	42.4	...	311/2
313	Beverages	573	344	518	534	...	10.2	6.5	10.9	12.7	...	313
314	Tobacco	79	77	78	77	...	3.0	3.0	3.2	3.8	...	314
321	Textiles	...	...	...	...	...	...	...	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	406	304	288	356	...	2.1	2.2	2.3	3.6	...	322
323	Leather and products ...	-	-	-	-	...	-	-	-	-	...	323
324	Footwear	178	132	132	113	...	1.7	1.6	1.6	1.6	...	324
331	Wood products	1546	1134	1110	1408	...	19.9	16.8	18.2	20.4	...	331
332	Furniture, fixtures	192	128	198	179	...	1.2	1.0	1.8	2.2	...	332
341	Paper and products	65	...	60	75	...	0.5	...	0.5	0.8	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	108	...	129	136	...	2.2	...	2.5	2.8	...	342
351	Industrial chemicals ...	...	...	...	...	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	321	283	306	315	...	7.3	6.9	7.4	8.4	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	-	-	-	-	...	-	-	-	-	...	353
354	Petroleum,coal products.	-	-	-	-	...	-	-	-	-	...	354
355	Rubber products	-	26	25	26	...	-	0.3	0.3	0.3	...	355
356	Plastic products n.e.c..	82	...	56	36	...	2.7	...	0.6	0.4	...	356
361	Pottery,china etc					...					...	361
362	Glass and products	426	311	382	345	...	5.6	3.5	5.3	5.7	...	362
369	Non-metal products n.e.c					...					...	369
371	Iron and steel	-	-	-	-	...	-	-	-	-	...	371
372	Non-ferrous metals	-	-	-	-	...	-	-	-	-	...	372
381	Metal products	17	...	-	-	...	0.4	...	-	-	...	381
382	Machinery n.e.c.	15	...	...	7	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	40	45	...	...	...	1.0	1.3	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	-	-	-	-	...	-	-	-	-	...	3843
385	Professional goods	17	17	18	18	...	0.2	0.2	0.2	0.2	...	385
390	Other industries	...	...	107	110	...	...	...	0.2	0.1	...	390
3	Manufacturing	...	...	...	...	...	...	...	...	...	...	3
410	Electricity,gas,steam .. b/	822	825	791	787	...	28.1	32.0	32.8	35.3	...	410
4101	Electricity	822	825	791	787	...	28.1	32.0	32.8	35.3	...	4101
420	Water works and supply .	541	530	532	518	...	8.6	9.3	10.4	10.7	...	420
4	Electricity,gas etc b/	1363	1355	1323	1305	...	36.7	41.3	43.2	46.0	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: selected industries only.

b/ Excluding gas and steam.

3. OUTPUT IN FACTOR VALUES [a/]
(MILLION GUILDERS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	-	-	-	-	...	210
220	Petroleum and gas	14	22	22	33	...	220
230	Metal ore mining	430	381	440	896	...	230
290	Other mining	1	-	-	-	...	290
2	Mining, quarrying .	445	403	462	929	...	2
311/2	Food products	235	224	190	290	...	311/2
313	Beverages	75	61	116	125	...	313
314	Tobacco	30	30	37	44	...	314
321	Textiles	...	...	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	3211
322	Wearing apparel	8	11	9	11	...	322
323	Leather and products ...	-	-	-	-	...	323
324	Footwear	9	8	7	7	...	324
331	Wood products	28	20	26	31	...	331
332	Furniture, fixtures	3	2	6	7	...	332
341	Paper and products	5	...	5	18	...	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	6	...	9	11	...	342
351	Industrial chemicals ...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	29	24	34	39	...	352
3522	Drugs and medicines ..	...	...	...	...	...	3522
353	Petroleum refineries ...	-	-	-	-	...	353
354	Petroleum,coal products.	-	-	-	-	...	354
355	Rubber products	-	-	1	1	...	355
356	Plastic products n.e.c..	5	...	4	2	...	356
361	Pottery,china etc					...	361
362	Glass and products	38	21	30	26	...	362
369	Non-metal products n.e.c					...	369
371	Iron and steel	-	-	-	-	...	371
372	Non-ferrous metals	-	-	-	-	...	372
381	Metal products	...	...	-	-	...	381
382	Machinery n.e.c.	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	3832
384	Transport equipment	...	...	6	6	...	384
3841	Shipbuilding, repair..	-	-	-	-	...	3841
3843	Motor vehicles	-	-	-	-	...	3843
385	Professional goods	1	1	1	1	...	385
390	Other industries	...	...	2	2	...	390
3	Manufacturing	...	...	...	...	...	3
410	Electricity,gas,steam .. b/	71	74	83	87	...	410
4101	Electricity	71	74	83	87	...	4101
420	Water works and supply .	17	18	19	20	...	420
4	Electricity,gas etc b/	88	92	102	107	...	4
2-4	All industry	...	...	...	...	...	2-4

a/ Manufacturing: selected industries only.

b/ Excluding gas and steam.

SWAZILAND

The information in the tables is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Central Statistical Office, Mbabane.

For mining and quarrying and the manufacturing sectors the data are derived from the census of industries covering establishments with ten or more persons engaged, and of establishments with less than ten persons engaged whose structure and accounting practices allow them to complete the questionnaire without difficulty. For electricity, gas and water supply, the annual inquiry cover all establishments. The inquiry is carried out by mail supplemented by interview, if needed. In the tables, adjustments have not been made for non-response, but the data for manufacturing for 1988 cover 98 percent of the output and 96 percent of employment.

The data are based on the national classification scheme, but are arranged according to the present version of the ISIC as far as details permit. The concepts, definitions and classification used in reporting the data are generally in accordance with the United Nations standards, although the following points should be noted:

Wages and salaries include employers' contribution to pension and other social insurance schemes;

Output refers to gross output and value added to total value added;

Valuation of output and value added is at factor values.

Related national publications:

Census of Industrial Production (annual); Annual Statistical Bulletin, both published by the Central Statistical Office, Mbabane.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF EMPLOYEES (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	4	4	4	...	...	2616	2531	2120	...	...	2
311/2	Food products	9	9	9	...	...	5896	5683	5581	...	...	311/2
313	Beverages	4	4	3	...	...	408	514	442	...	...	313
314	Tobacco	-	-	-	...	...	-	-	-	...	...	314
321	Textiles ..... b/	37	38	46	...	...	1098	1402	2429	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... b/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ... b/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	-	-	-	...	...	-	-	-	...	...	324
331	Wood products	[19	22	17]	...	...	[1303	2017	1487]	...	...	331
332	Furniture, fixtures				...	...				...	...	332
341	Paper and products ..... c/	20	24	24	...	...	1875	2415	1917	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... c/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... d/	16	21	20	...	...	201	218	279	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. d/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... d/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. d/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	-	-	-	...	...	355
356	Plastic products n e.c.. d/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	-	-	-	...	...	-	-	-	...	...	361
362	Glass and products	[11	11	11]	...	...	[234	188	901]	...	...	362
369	Non-metal products n.e.c				...	...				...	...	369
371	Iron and steel	-	-	-	...	...	-	-	-	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products	28	31	25	...	...	493	588	633	...	...	381
382	Machinery n.e.c. ..... e/	4	4	4	...	...	293	302	60	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... e/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	-	-	-	...	...	-	-	-	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	-	-	-	...	...	-	-	-	...	...	385
390	Other industries	4	3	6	...	...	26	10	617	...	...	390
3	Manufacturing	152	167	165	...	...	11827	13337	14346	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc f/	2	2	2	...	...	1239	1240	1019	...	...	4
2-4	All industry f/	158	173	171	...	...	15682	17108	17485	...	...	2-4

a/ Electricity and water: number of enterprises.
b/ Major groups 322 and 323 are included in 321.
c/ Major group 342 is included in 341.
d/ Major groups 352 to 354 and 356 are included in 351.
e/ Major group 383 is included in 382.
f/ Excluding gas and steam.

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES a/ (THOUSAND EMALANGENI) 1986	1987	1988	1989	1990	4. OUTPUT IN FACTOR VALUES (MILLION EMALANGENI) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	14396	14807	12500	...	...	40.3	47.7	50.5	...	...	2
311/2	Food products	26039	34065	38100	...	...	332.1	321.7	381.9	...	...	311/2
313	Beverages	3305	5191	6200	...	...	23.3	60.4	227.8	...	...	313
314	Tobacco	-	-	-	...	...	-	-	-	...	...	314
321	Textiles ..... b/	4447	5878	9100	...	...	56.4	60.3	79.3	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... b/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ... b/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	-	-	-	...	...	-	-	-	...	...	324
331	Wood products	[5247	6466	5900]	...	...	[34.0	38.7	44.8]	...	...	331
332	Furniture, fixtures				...	...				...	...	332
341	Paper and products ..... c/	15040	27181	33300	...	...	147.2	172.6	203.9	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... c/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... d/	860	1372	1500	...	...	10.8	12.3	20.8	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. d/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... d/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. d/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	-	-	-	...	...	-	-	-	...	...	355
356	Plastic products n.e.c.. d/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	-	-	-	...	...	-	-	-	...	...	361
362	Glass and products	[e/ 1579	583	4100]	...	...	[6.5	3.5	30.0]	...	...	362
369	Non-metal products n.e.c				...	...				...	...	369
371	Iron and steel	-	-	-	...	...	-	-	-	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products	4088	4449	6300	...	...	25.8	31.8	41.8	...	...	381
382	Machinery n.e.c. ..... f/	1417	1479	400	...	...	10.9	11.3	2.5	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... f/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	-	-	-	...	...	-	-	-	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	-	-	-	...	...	-	-	-	...	...	385
390	Other industries	63	63	1600	...	...	0.2	0.2	14.5	...	...	390
3	Manufacturing	62085	86727	106500	...	...	647.3	712.9	1047.3	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc g/	5975	7293	7400	...	...	30.6	36.6	41.3	...	...	4
2-4	All industry g/	82456	108827	126400	...	...	718.1	797.1	1139.1	...	...	2-4

a/ Including employers' contributions to pension and other social insurance schemes.
b/ Major groups 322 and 323 are included in 321.
c/ Major group 342 is included in 341.
d/ Major groups 352 to 354 and 356 are included in 351.
e/ Value added is less than corresponding wages and salaries due to operating losses.
f/ Major group 383 is included in 382.
g/ Excluding gas and steam.

ISIC	INDUSTRY	5. VALUE ADDED IN FACTOR VALUES (THOUSAND EMALANGENI) 1986	1987	1988	1989	1990	6. GROSS FIXED CAPITAL FORMATION TOTAL (THOUSAND EMALANGENI) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	15085	19456	21700	...	...	1566	1910	1184	...	...	2
311/2	Food products	98438	88415	122500	...	...	7076	8071	26749	...	...	311/2
313	Beverages	7707	31905	168400	...	...	-127	17354	3037	...	...	313
314	Tobacco	-	-	-	...	...	-	-	-	...	...	314
321	Textiles ..... a/	12619	18150	20700	...	...	29598	540	934	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... a/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ... a/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	-	-	-	...	...	-	-	-	...	...	324
331	Wood products	[8114	10770	13500]	...	...	[174	47966	1674]	...	...	331
332	Furniture, fixtures				...	...				...	...	332
341	Paper and products ..... b/	48706	71328	107900	...	...	1121	7131	9771	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... b/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... c/	1669	2314	2800	...	...	341	821	91	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... c/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. c/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	-	-	-	...	...	-	-	-	...	...	355
356	Plastic products n.e.c.. c/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	-	-	-	...	...	-	-	-	...	...	361
362	Glass and products	[d/ 1522	768	10400]	...	...	[841	71	2396]	...	...	362
369	Non-metal products n.e.c				...	...				...	...	369
371	Iron and steel	-	-	-	...	...	-	-	-	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products	7621	8087	11200	...	...	552	1017	1746	...	...	381
382	Machinery n.e.c. ..... e/	3721	4191	800	...	...	6	37	221	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... e/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	-	-	-	...	...	-	-	-	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	-	-	-	...	...	-	-	-	...	...	385
390	Other industries	79	79	4000	...	...	-	-	6374	...	...	390
3	Manufacturing	190196	236007	462200	...	...	39582	83018	52993	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc f/	24362	30407	31400	...	...	1732	3300	8782	...	...	4
2-4	All industry f/	229643	285870	515300	...	...	42880	88665	62959	...	...	2-4

a/ Major groups 322 and 323 are included in 321.
b/ Major group 342 is included in 341.
c/ Major groups 352 to 354 and 356 are included in 351.
d/ Value added is less than corresponding wages and salaries due to operating losses.
e/ Major group 383 is included in 382.
f/ Excluding gas and steam.

SWEDEN

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from Statistics Sweden, Stockholm. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The estimates are derived from annual inquiries for mining, manufacturing and electricity, gas and water industries. All industries in these major divisions are surveyed except sand and clay pits (ISIC 290), manufacture of ice (ISIC 311/2), publishing not related to printing (ISIC 342), manufacture of crushed stone for road laying (ISIC 369), ship breaking yards (ISIC 3841) and water works and supply (ISIC 420). All establishments (except peat) are covered for mining and, in the case of manufacturing, establishments with an average of 5 or more persons engaged during the reference year are, in general, included. However, all dairies, distilleries, breweries and starch factories are included, irrespective of size. For electricity, practically all producers and redistributors of electricity are covered, including production and deliveries in establishments ancillary to other industrial establishments. All gas works are covered.

The data are compiled according to the national scheme which is stated to be identical with the present version of ISIC through the 4-digit level.

The statistical unit is the establishment and classification is based on the composition of production measured by sales value of the output of different commodities. For establishments which combine production and reselling of goods in the same condition as purchased, only the production activity is included. Data are based upon direct returns from producers.

The estimates of persons engaged include working proprietors, salaried employees and wage earners. Homeworkers are not included and payments to homeworkers are not included in wages and salaries. These payments, however, are included in the estimates of value added. Salaried employees are enumerated as of one day in August or September and numbers of wage earners represent averages. All estimates shown for operatives relate to wage earners.

The concept of output represents the ex-factory sales of value of goods produced and services rendered, excluding indirect taxes. Value added is calculated as the value of output less the cost of materials and supplies, purchased fuels and electricity consumed and contract and commission work done by others. The cost of maintenance work is not deducted.

The data on gross fixed capital formation relate to the value of purchases of new fixed assets and alterations and repairs of a capital nature, including own-account construction. Fixed capital formation in new establishments not yet in operation is included. Transactions are recorded at the time of delivery except for buildings and other construction where the value of work completed during the reference period is recorded.

The indices of industrial production are compiled by Statistics Sweden and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover establishments with 5 or more persons engaged in manufacturing and all establishments engaged in mining, electricity and gas.

Related national publications:

Industri, Del 1 (annual); Statistisk Arsbok For Sverige; Statistiska Meddelanden, all published by Statistics Sweden, Stockholm.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	35	34	32	28	31	8.9	8.0	7.4	6.4	6.3	230
290	Other mining	72	66	63	74	89	1.5	1.4	1.4	1.7	2.0	290
2	Mining, quarrying .	107	100	95	102	120	10.4	9.4	8.8	8.1	8.3	2
311/2	Food products	779	779	771	774	736	63.1	62.6	63.3	63.7	61.5	311/2
313	Beverages	35	34	34	32	30	4.7	5.0	5.1	5.1	4.8	313
314	Tobacco	4	4	4	4	4	1.4	1.4	1.4	1.1	1.1	314
321	Textiles	276	267	269	266	247	15.6	15.0	14.7	13.6	12.9	321
3211	Spinning,weaving etc..	89	84	84	86	72	6.1	6.5	6.4	6.1	5.6	3211
322	Wearing apparel	259	253	234	202	183	10.3	9.9	9.0	7.5	6.7	322
323	Leather and products ...	28	29	29	31	30	1.6	1.7	1.4	1.3	1.1	323
324	Footwear	44	43	35	29	26	1.4	1.3	0.9	0.8	0.7	324
331	Wood products	1087	1052	1016	1003	988	43.4	43.6	44.2	44.7	44.0	331
332	Furniture, fixtures	285	283	287	289	279	11.6	12.1	12.2	11.8	11.1	332
341	Paper and products	214	213	217	220	214	54.2	54.3	53.7	53.9	51.6	341
3411	Pulp,paper etc.	85	84	87	82	80	41.7	41.2	41.1	40.6	38.8	3411
342	Printing,publishing	866	864	857	863	849	42.7	42.4	42.7	43.0	41.7	342
351	Industrial chemicals ...	161	161	164	177	175	18.0	18.2	18.6	18.9	17.9	351
3511	Basic excl fertilizers b/	70	70	73	71	70	9.7	9.9	9.9	9.6	8.8	3511
3513	Synthetic resins etc .	91	91	91	106	105	8.3	8.3	8.6	9.3	9.1	3513
352	Other chemical products.	156	154	155	153	150	25.6	25.8	24.7	23.8	23.8	352
3522	Drugs and medicines ..	24	24	29	31	31	9.5	8.6	8.1	8.7	9.5	3522
353	Petroleum refineries ...	5	5	5	5	8	1.5	1.6	1.6	1.6	1.6	353
354	Petroleum,coal products.	34	32	31	33	48	1.8	1.8	1.7	1.7	1.8	354
355	Rubber products	82	81	80	82	79	9.4	8.8	8.9	8.1	7.1	355
356	Plastic products n.e.c..	287	286	295	280	282	13.1	14.1	14.3	13.1	12.8	356
361	Pottery,china etc	18	16	15	19	18	2.9	2.7	2.5	2.4	2.3	361
362	Glass and products	43	41	42	47	45	4.3	4.2	4.3	4.8	4.6	362
369	Non-metal products n.e.c	317	311	313	311	319	14.0	14.4	14.9	15.3	15.4	369
371	Iron and steel	80	80	95	91	92	35.2	33.5	33.3	31.4	30.5	371
372	Non-ferrous metals	80	81	84	84	84	11.6	11.7	11.3	10.8	9.6	372
381	Metal products	1557	1578	1601	1658	1667	70.8	72.5	73.9	74.8	73.0	381
382	Machinery n.e.c.	1185	1209	1225	1247	1272	106.8	104.8	102.2	102.0	99.8	382
3825	Office,computing etc..	53	56	59	58	61	8.8	8.8	9.3	8.0	8.1	3825
383	Electrical machinery ...	422	431	443	445	437	73.1	71.9	67.6	60.4	55.0	383
3832	Radio,television etc..	92	95	105	100	111	40.7	37.5	35.0	28.4	24.6	3832
384	Transport equipment	471	466	455	463	437	112.1	114.3	112.6	115.2	107.7	384
3841	Shipbuilding, repair..	77	69	63	66	64	10.0	8.9	5.9	5.8	5.3	3841
3843	Motor vehicles	260	263	257	286	277	76.3	78.9	80.3	84.7	78.8	3843
385	Professional goods	153	163	154	176	178	13.9	13.7	13.4	17.5	16.3	385
390	Other industries	95	96	95	85	80	3.8	3.8	3.8	3.2	2.9	390
3	Manufacturing	9022	9012	9005	9069	8957	767.9	766.8	758.1	751.3	719.4	3
410	Electricity,gas,steam ..	702	699	703	693	...	28.0	27.7	27.7	28.2	...	410
4101	Electricity ..... c/	694	691	694	684	...	27.8	27.5	27.4	27.9	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: establishments with 5 or more persons engaged. b/ Including group 3512.
c/ Including steam.

SWEDEN

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION KRONOR)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	8.9	8.0	7.4	6.4	6.3	1044	991	1037	1016	1089	230
290	Other mining	1.5	1.4	1.4	1.7	2.0	157	158	186	241	306	290
2	Mining, quarrying .	10.4	9.4	8.8	8.1	8.3	1201	1150	1224	1257	1395	2
311/2	Food products	63.1	62.5	63.3	63.7	61.5	6045	6491	7006	7687	8207	311/2
313	Beverages	4.7	5.0	5.1	5.1	4.8	559	637	691	771	780	313
314	Tobacco	1.4	1.4	1.4	1.1	1.1	148	159	175	144	152	314
321	Textiles	15.5	15.0	14.7	13.6	12.9	1443	1452	1535	1557	1571	321
3211	Spinning,weaving etc..	6.1	6.5	6.4	6.1	5.6	573	657	690	735	740	3211
322	Wearing apparel	10.3	9.9	9.0	7.5	6.7	793	797	778	712	666	322
323	Leather and products ...	1.6	1.7	1.4	1.3	1.1	140	146	135	141	122	323
324	Footwear	1.4	1.3	0.9	0.8	0.7	114	110	88	78	77	324
331	Wood products	43.3	43.5	44.2	44.7	44.0	4246	4529	4869	5450	6010	331
332	Furniture, fixtures	11.6	12.0	12.2	11.8	11.1	1061	1159	1240	1334	1365	332
341	Paper and products	54.2	54.3	53.7	53.9	51.6	6376	6779	7162	7856	8203	341
3411	Pulp,paper etc.	41.7	41.2	41.1	40.6	38.8	5046	5248	5635	6120	6360	3411
342	Printing,publishing	42.7	42.4	42.7	43.0	41.7	5576	5646	6063	6700	6992	342
351	Industrial chemicals ...	18.0	18.2	18.6	18.9	17.9	2139	2371	2626	2916	3008	351
3511	Basic excl fertilizers b/	9.2	9.9	9.9	9.6	8.8	1209	1357	1478	1587	1560	3511
3513	Synthetic resins etc .	8.3	8.3	8.6	9.3	9.1	929	1014	1148	1329	1448	3513
352	Other chemical products.	25.6	25.8	24.7	23.8	23.8	3104	3164	3466	3581	3935	352
3522	Drugs and medicines ..	9.5	8.6	8.1	8.7	9.5	1243	1122	1298	1397	1638	3522
353	Petroleum refineries ...	1.5	1.6	1.6	1.6	1.6	227	243	270	281	282	353
354	Petroleum,coal products.	1.8	1.8	1.7	1.7	1.8	214	227	248	239	288	354
355	Rubber products	9.4	8.8	8.9	8.1	7.1	881	899	980	1015	1000	355
356	Plastic products n.e.c..	13.1	14.1	14.3	13.1	12.8	1255	1442	1600	1631	1723	356
361	Pottery,china etc	2.9	2.8	2.5	2.4	2.3	275	268	278	298	289	361
362	Glass and products	4.3	4.2	4.3	4.8	4.6	420	460	506	602	639	362
369	Non-metal products n.e.c	14.0	14.3	14.9	15.3	15.4	1544	1656	1856	2116	2329	369
371	Iron and steel	35.2	33.5	33.3	31.4	30.5	3923	4070	4257	4601	4890	371
372	Non-ferrous metals	11.6	11.6	11.3	10.8	9.6	1198	1235	1316	1424	1293	372
381	Metal products	70.7	72.5	73.9	74.8	73.0	7155	7779	8528	9536	10017	381
382	Machinery n.e.c.	106.8	104.8	102.2	102.0	99.8	11545	12492	12984	14297	15013	382
3825	Office,computing etc..	8.8	8.8	9.3	8.0	8.1	1051	1128	1243	1204	1330	3825
383	Electrical machinery ...	73.1	71.9	67.6	60.4	55.0	7668	8334	7907	7700	8043	383
3832	Radio,television etc..	40.7	37.5	35.0	28.4	24.6	4094	4596	4141	3530	3830	3832
384	Transport equipment	112.1	114.3	112.6	115.2	107.7	12575	13127	13780	15445	15880	384
3841	Shipbuilding, repair..	10.0	8.9	5.9	5.8	5.3	1251	1048	780	825	816	3841
3843	Motor vehicles	76.3	78.9	80.3	84.7	78.8	8384	8867	9679	11147	11393	3843
385	Professional goods	13.9	13.7	13.4	17.5	16.3	1592	1704	1761	2715	2794	385
390	Other industries	3.8	3.8	3.8	3.2	2.9	372	387	407	386	382	390
3	Manufacturing	767.6	767.0	758.1	751.3	719.4	82589	87763	92513	101212	105951	3
410	Electricity,gas,steam ..	28.0	27.7	27.7	28.2	...	3462	3840	3936	4623	...	410
4101	Electricity ..... c/	27.8	27.5	27.4	27.9	...	3431	3809	3888	4565	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: establishments with 5 or more persons engaged. b/ Including group 3512.
c/ Including steam.

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES a/ (THOUSANDS)					6. WAGES AND SALARIES OF OPERATIVES a/ (MILLION KRONOR)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	7.0	6.2	5.7	5.1	5.1	756	707	746	734	807	230
290	Other mining	1.1	1.1	1.0	1.3	1.4	109	106	123	162	202	290
2	Mining, quarrying .	8.1	7.2	6.8	6.4	6.5	865	813	870	896	1009	2
311/2	Food products	47.1	46.3	47.1	47.5	45.7	4011	4249	4596	5057	5380	311/2
313	Beverages	3.1	3.4	3.4	3.4	3.4	343	383	407	464	480	313
314	Tobacco	0.9	0.9	0.9	0.9	0.9	77	81	88	98	105	314
321	Textiles	12.3	11.7	11.4	10.5	9.9	986	983	1025	1024	1036	321
3211	Spinning,weaving etc..	4.8	5.0	4.8	4.6	4.2	396	431	446	463	465	3211
322	Wearing apparel	8.5	8.2	7.4	6.1	5.5	581	594	571	515	478	322
323	Leather and products ...	1.3	1.4	1.1	1.0	0.9	103	106	96	100	85	323
324	Footwear	1.2	1.1	0.8	0.7	0.6	88	87	70	61	60	324
331	Wood products	35.2	35.2	35.7	35.9	35.0	3186	3382	3592	4012	4381	331
332	Furniture, fixtures	9.7	10.1	10.1	9.7	9.1	813	891	948	1013	1024	332
341	Paper and products	41.4	41.1	40.9	41.3	39.4	4458	4686	4971	5520	5729	341
3411	Pulp,paper etc.	32.2	31.3	31.5	31.2	29.8	3556	3665	3958	4328	4480	3411
342	Printing,publishing	24.3	24.2	24.7	24.6	24.0	2733	2904	3156	3416	3612	342
351	Industrial chemicals ...	11.3	11.4	11.5	11.8	11.1	1200	1298	1430	1583	1640	351
3511	Basic excl fertilizers b/	5.8	5.8	5.8	5.5	4.9	662	706	755	788	769	3511
3513	Synthetic resins etc .	5.5	5.6	5.8	6.3	6.2	539	591	675	795	871	3513
352	Other chemical products.	11.8	12.4	11.3	11.1	10.7	1102	1168	1263	1293	1405	352
3522	Drugs and medicines ..	3.2	2.9	2.5	2.8	3.0	275	261	303	343	407	3522
353	Petroleum refineries ...	0.8	0.8	0.9	0.9	0.9	109	112	124	132	150	353
354	Petroleum,coal products.	1.1	1.1	1.1	1.1	1.2	116	127	143	142	181	354
355	Rubber products	6.9	6.5	6.5	6.1	5.5	555	574	628	658	658	355
356	Plastic products n.e.c..	9.9	10.8	11.0	10.0	9.7	846	961	1072	1080	1130	356
361	Pottery,china etc	2.3	2.1	1.9	1.9	1.8	181	178	187	200	199	361
362	Glass and products	3.5	3.5	3.5	3.9	3.8	316	342	374	440	468	362
369	Non-metal products n.e.c	10.1	10.3	10.7	11.0	11.0	967	1058	1180	1345	1484	369
371	Iron and steel	26.4	25.1	25.2	23.8	23.1	2681	2782	2895	3143	3318	371
372	Non-ferrous metals	8.9	9.2	8.9	8.4	7.5	826	863	932	1001	916	372
381	Metal products	53.6	54.3	56.0	56.5	55.2	4736	5168	5685	6377	6723	381
382	Machinery n.e.c.	67.2	66.2	64.2	65.6	64.2	6118	6550	6869	7733	8110	382
3825	Office,computing etc..	4.7	4.5	4.6	4.3	4.1	390	407	451	444	471	3825
383	Electrical machinery ...	42.2	42.9	42.0	37.1	33.5	3619	3908	4042	4006	3992	383
3832	Radio,television etc..	18.8	18.8	19.0	15.0	13.3	1626	1717	1828	1622	1625	3832
384	Transport equipment	81.1	81.6	81.8	82.8	76.1	7904	8018	8590	9594	9692	384
3841	Shipbuilding, repair..	7.8	6.1	4.1	4.1	3.8	755	603	480	515	506	3841
3843	Motor vehicles	57.8	59.6	61.5	63.5	58.3	5610	5747	6320	7223	7300	3843
385	Professional goods	6.7	6.6	6.5	7.8	7.1	565	611	628	858	867	385
390	Other industries	2.7	2.6	2.7	2.3	2.1	223	237	253	238	237	390
3	Manufacturing	531.6	531.1	528.9	523.4	498.7	49443	52299	55815	61103	63538	3
410	Electricity,gas,steam ..	10.2	10.2	10.2	10.4	...	1162	1240	...	...	...	410
4101	Electricity ..... c/	10.2	10.2	10.1	10.4	...	1156	1235	1290	1481	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: establishments with 5 or more persons engaged. b/ Including group 3512.
c/ Including steam.

SWEDEN

ISIC	INDUSTRY	7. HOURS WORKED BY OPERATIVES a/ (MILLIONS)					8. QUANTITY OF ELECTRICITY CONSUMED a/ (MILLION KWH)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	10	9	8	7	8	2363	2369	2154	2182	2187	230
290	Other mining	2	2	2	2	2	87	83	76	158	206	290
2	Mining, quarrying .	12	10	10	9	10	2450	2452	2231	2339	2394	2
311/2	Food products	68	68	68	68	65	1951	2023	2269	2271	2257	311/2
313	Beverages	6	6	6	6	6	172	223	214	234	245	313
314	Tobacco	1	1	1	1	1	23	24	26	23	24	314
321	Textiles	18	17	16	15	14	330	362	386	351	348	321
3211	Spinning,weaving etc..	7	7	7	7	6	157	181	194	183	176	3211
322	Wearing apparel	12	12	11	9	8	44	44	43	38	35	322
323	Leather and products ...	2	2	2	1	1	26	27	20	18	15	323
324	Footwear	2	2	1	1	1	13	11	10	8	8	324
331	Wood products	56	56	55	55	55	1630	1733	1637	1681	1719	331
332	Furniture, fixtures	15	15	15	15	14	172	181	184	191	184	332
341	Paper and products	61	62	61	61	58	16651	18547	19759	20369	19602	341
3411	Pulp,paper etc.	48	47	47	46	44	16316	18186	19459	20023	19258	3411
342	Printing,publishing	39	39	39	39	38	413	405	434	445	485	342
351	Industrial chemicals ...	17	17	18	18	17	4934	5157	5381	5473	5223	351
3511	Basic excl fertilizers b/	9	9	9	9	8	3816	3992	4184	4224	3948	3511
3513	Synthetic resins etc .	8	8	9	10	9	1118	1165	1196	1249	1275	3513
352	Other chemical products.	17	18	16	16	15	480	509	537	469	521	352
3522	Drugs and medicines ..	4	4	4	4	4	196	182	214	181	236	3522
353	Petroleum refineries ...	1	1	1	1	1	535	621	599	648	660	353
354	Petroleum,coal products.	2	2	2	2	2	100	101	97	101	134	354
355	Rubber products	9	9	9	8	8	277	297	310	279	270	355
356	Plastic products n.e.c..	14	16	16	14	14	439	479	493	454	457	356
361	Pottery,china etc	3	3	3	3	2	107	94	81	81	104	361
362	Glass and products	5	5	5	6	5	192	197	220	259	268	362
369	Non-metal products n.e.c	16	16	16	17	17	914	963	985	1017	1049	369
371	Iron and steel	38	37	37	34	33	5157	5155	5420	4947	4669	371
372	Non-ferrous metals	13	12	12	12	10	2370	2479	2708	2703	2651	372
381	Metal products	81	81	84	85	83	1577	1623	1697	1749	1707	381
382	Machinery n.e.c.	102	100	98	100	96	1611	1651	1676	1592	1590	382
3825	Office,computing etc..	7	7	7	6	6	88	94	108	93	95	3825
383	Electrical machinery ...	60	60	58	52	48	1015	1170	1143	1121	1035	383
3832	Radio,television etc..	27	27	26	20	20	300	509	455	309	355	3832
384	Transport equipment	118	118	115	117	109	2188	2211	2312	2316	2281	384
3841	Shipbuilding, repair..	11	9	6	6	6	188	184	117	107	117	3841
3843	Motor vehicles	83	86	85	88	82	1624	1620	1790	1820	1759	3843
385	Professional goods	10	10	13	12	10	97	101	109	150	148	385
390	Other industries	4	4	4	4	3	47	48	48	36	34	390
3	Manufacturing	791	787	779	772	735	43465	46438	48799	49021	47721	3
410	Electricity,gas,steam ..	17	16	16	16	...	...	...	...	...	...	410
4101	Electricity ..... c/	17	16	16	16	...	9637	12139	13423	12647	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: establishments with 5 or more persons engaged. b/ Including group 3512.
c/ Including steam.

ISIC	INDUSTRY	9. OUTPUT IN FACTOR VALUES a/ (BILLION KRONOR)					10. VALUE ADDED IN FACTOR VALUES a/ (BILLION KRONOR)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	-	220
230	Metal ore mining	5.07	4.87	5.47	6.37	6.70	3.31	3.23	3.32	4.09	4.18	230
290	Other mining	0.76	0.73	0.81	1.22	1.76	0.55	0.52	0.56	0.82	1.09	290
2	Mining, quarrying .	5.83	5.60	6.28	7.59	8.46	3.86	3.75	3.88	4.91	5.26	2
311/2	Food products	67.20	68.82	73.73	79.98	81.22	19.04	19.60	21.47	23.34	25.15	311/2
313	Beverages	5.49	6.04	6.59	7.61	8.54	2.71	2.98	3.12	3.66	4.40	313
314	Tobacco	1.58	1.60	1.71	1.89	2.11	1.05	1.04	1.18	1.29	1.52	314
321	Textiles	7.13	7.36	7.59	7.53	7.39	3.48	3.56	3.73	3.77	3.66	321
3211	Spinning,weaving etc..	2.66	2.97	3.07	3.09	3.00	1.41	1.62	1.68	1.82	1.76	3211
322	Wearing apparel	2.53	2.71	2.67	2.46	2.26	1.40	1.48	1.44	1.33	1.18	322
323	Leather and products ...	0.91	0.91	0.73	0.78	0.66	0.35	0.33	0.30	0.33	0.31	323
324	Footwear	0.48	0.48	0.40	0.36	0.34	0.22	0.22	0.19	0.17	0.16	324
331	Wood products	29.02	31.88	35.65	41.44	45.57	10.20	11.51	13.22	16.10	18.03	331
332	Furniture, fixtures	5.80	6.35	6.77	7.13	7.19	2.68	2.95	3.11	3.27	3.26	332
341	Paper and products	54.13	61.00	67.43	72.94	69.49	20.20	23.89	27.05	29.88	26.78	341
3411	Pulp,paper etc.	45.04	50.61	56.86	61.08	57.03	16.26	19.35	22.27	24.91	21.54	3411
342	Printing,publishing	21.83	24.78	26.55	28.98	29.56	14.17	16.30	16.89	19.20	18.69	342
351	Industrial chemicals ...	19.10	21.22	23.94	25.38	26.03	8.26	9.82	11.19	11.63	11.74	351
3511	Basic excl fertilizers b/	10.14	11.21	12.28	12.83	12.94	4.68	5.71	6.59	6.71	6.57	3511
3513	Synthetic resins etc .	8.96	10.00	11.66	12.56	13.09	3.58	4.12	4.61	4.92	5.17	3513
352	Other chemical products.	16.38	19.14	22.06	22.80	23.57	9.50	11.59	12.99	13.72	15.07	352
3522	Drugs and medicines ..	5.75	6.75	8.54	9.26	11.33	4.26	5.22	6.54	7.21	9.07	3522
353	Petroleum refineries ...	18.36	18.47	13.68	19.88	24.67	3.81	3.92	2.79	4.77	7.84	353
354	Petroleum,coal products.	3.28	3.13	2.92	3.14	3.67	1.18	1.13	0.99	1.12	1.29	354
355	Rubber products	4.08	4.35	4.65	4.45	4.35	2.05	2.33	2.46	2.38	2.29	355
356	Plastic products n.e.c..	6.46	7.36	8.40	8.30	8.63	3.23	3.68	4.29	4.34	4.65	356
361	Pottery,china etc	0.89	0.96	0.88	0.99	1.03	0.61	0.67	0.60	0.69	0.73	361
362	Glass and products	2.05	2.46	2.67	2.97	3.02	1.22	1.48	1.63	1.76	1.74	362
369	Non-metal products n.e.c	8.30	9.33	10.17	11.87	12.67	4.68	5.33	5.68	6.53	6.68	369
371	Iron and steel	28.02	28.53	35.34	41.10	37.13	10.65	10.63	12.29	12.36	12.41	371
372	Non-ferrous metals	10.77	11.51	13.24	14.73	13.26	3.19	3.61	4.17	4.02	3.79	372
381	Metal products	34.77	38.50	43.22	48.77	49.73	18.30	20.25	22.41	25.41	26.33	381
382	Machinery n.e.c.	56.28	57.59	62.48	71.11	73.91	28.00	28.71	30.35	35.21	36.85	382
3825	Office,computing etc..	7.15	7.34	7.88	8.47	8.75	3.29	3.37	3.54	3.10	3.11	3825
383	Electrical machinery ...	34.53	36.65	38.30	42.89	43.84	19.14	20.82	20.89	23.66	23.81	383
3832	Radio,television etc..	17.57	18.25	19.46	22.79	23.17	9.34	10.60	11.01	13.22	13.41	3832
384	Transport equipment	75.43	81.68	86.68	92.61	90.74	32.79	35.18	40.11	42.37	38.22	384
3841	Shipbuilding, repair..	6.22	3.67	2.91	2.87	3.35	3.19	2.16	1.61	1.36	1.75	3841
3843	Motor vehicles	57.02	65.18	70.03	76.63	73.23	23.25	26.22	31.21	34.25	29.49	3843
385	Professional goods	6.04	6.54	6.94	10.78	11.30	3.59	3.92	4.19	6.74	6.90	385
390	Other industries	1.51	1.53	1.77	1.57	1.56	0.83	0.87	1.00	0.91	0.93	390
3	Manufacturing	522.33	560.87	607.17	674.44	683.45	226.53	247.80	269.74	299.95	304.41	3
410	Electricity,gas,steam ..	70.48	73.31	76.29	79.72	...	30.34	32.35	34.19	37.04	...	410
4101	Electricity ..... c/	70.05	72.80	75.69	78.89	...	30.22	32.17	33.90	36.64	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: establishments with 5 or more persons engaged. b/ Including group 3512.
c/ Including steam.

SWEDEN

ISIC	INDUSTRY	11. GROSS FIXED CAPITAL FORMATION TOTAL a/b/ (MILLION KRONOR)					12. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/b/ (MILLION KRONOR)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining ..... c/	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas ..... c/	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	377	322	...	...	...	235	184	...	...	...	230
290	Other mining ..... c/	257	405	...	...	...	197	233	...	...	...	290
2	Mining, quarrying ..	634	727	...	...	...	432	417	...	...	...	2
311/2	Food products	2195	2557	...	...	...	1731	1913	...	...	...	311/2
313	Beverages	[358	504]	...	...	...	[285	369]	...	...	...	313
314	Tobacco			...	...	...			...	...	...	314
321	Textiles	368	494	...	...	...	273	345	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	70	76	...	...	...	59	68	...	...	...	322
323	Leather and products ...	24	23	...	...	...	18	21	...	...	...	323
324	Footwear	15	22	...	...	...	12	18	...	...	...	324
331	Wood products	1301	1471	...	...	...	945	1130	...	...	...	331
332	Furniture, fixtures	361	333	...	...	...	218	216	...	...	...	332
341	Paper and products	4815	6522	...	...	...	4005	5517	...	...	...	341
3411	Pulp,paper etc.	4140	5799	...	...	...	3457	4881	...	...	...	3411
342	Printing,publishing	1233	1224	...	...	...	905	966	...	...	...	342
351	Industrial chemicals ...	1494	1497	...	...	...	1298	1298	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	1497	1520	...	...	...	1045	986	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[261	604]	...	...	...	[240	570]	...	...	...	353
354	Petroleum,coal products.			...	...	...			...	...	...	354
355	Rubber products	236	307	...	...	...	180	240	...	...	...	355
356	Plastic products n.e.c..	484	748	...	...	...	383	539	...	...	...	356
361	Pottery,china etc	78	60	...	...	...	52	40	...	...	...	361
362	Glass and products	167	135	...	...	...	138	107	...	...	...	362
369	Non-metal products n.e.c	524	613	...	...	...	444	503	...	...	...	369
371	Iron and steel	1141	1312	...	...	...	1041	1236	...	...	...	371
372	Non-ferrous metals	452	428	...	...	...	372	373	...	...	...	372
381	Metal products	2445	2975	...	...	...	1710	2268	...	...	...	381
382	Machinery n.e.c.	3115	3737	...	...	...	2387	2747	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	1889	1719	...	...	...	1544	1504	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	4945	6135	...	...	...	3469	4152	...	...	...	384
3841	Shipbuilding, repair..	94	117	...	...	...	68	86	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	317	280	...	...	...	244	248	...	...	...	385
390	Other industries	102	87	...	...	...	68	63	...	...	...	390
3	Manufacturing	29887	35383	...	...	...	23066	27437	...	...	...	3
410	Electricity,gas,steam ..	9544	10224	...	...	...	6197	6835	...	...	...	410
4101	Electricity	7415	8324	...	...	...	5256	5805	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: establishments with 5 or more persons engaged. b/ Excluding used fixed assets.
c/ Major groups 210 and 220 are included in 290.

13. VALUE OF STOCKS AT END OF PERIOD
TOTAL a/
(MILLION KRONOR)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	-	-	...	...	...	210
220	Petroleum and gas	-	-	...	...	...	220
230	Metal ore mining	514	381	...	...	...	230
290	Other mining	142	166	...	...	...	290
2	Mining, quarrying .	655	547	...	...	...	2
311/2	Food products	6422	6782	...	...	...	311/2
313	Beverages	935	1054	...	...	...	313
314	Tobacco	511	703	...	...	...	314
321	Textiles	1994	1795	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	3211
322	Wearing apparel	713	606	...	...	...	322
323	Leather and products ...	246	217	...	...	...	323
324	Footwear	88	89	...	...	...	324
331	Wood products	6117	6153	...	...	...	331
332	Furniture, fixtures	1115	1212	...	...	...	332
341	Paper and products	6449	7072	...	...	...	341
3411	Pulp,paper etc.	5509	5546	...	...	...	3411
342	Printing,publishing	1005	973	...	...	...	342
351	Industrial chemicals ...	2340	2667	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	4930	5658	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	3522
353	Petroleum refineries ...	[2170]	1015	...	...	...	353
354	Petroleum,coal products.		572	...	...	...	354
355	Rubber products	646	541	...	...	...	355
356	Plastic products n.e.c..	1109	1294	...	...	...	356
361	Pottery,china etc	204	183	...	...	...	361
362	Glass and products	438	406	...	...	...	362
369	Non-metal products n.e.c	1120	1108	...	...	...	369
371	Iron and steel	5372	5115	...	...	...	371
372	Non-ferrous metals	1849	2116	...	...	...	372
381	Metal products	8296	8692	...	...	...	381
382	Machinery n.e.c.	18496	16057	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ...	14061	10171	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	3832
384	Transport equipment	18124	18456	...	...	...	384
3841	Shipbuilding, repair..	3435	3389	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	3843
385	Professional goods	1434	1650	...	...	...	385
390	Other industries	516	382	...	...	...	390
3	Manufacturing	106700	102740	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	2-4

a/ Manufacturing: establishments with 5 or more persons engaged.

14. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	-	-	-	-	-	-	-	-	-	...	210
220	Petroleum and gas	-	-	-	-	-	-	-	-	-	...	220
230	Metal ore mining	70	85	98	104	104	106	102	95	95	-0.6	230
290	Other mining ..... b/	98	99	100	96	94	87	88	84	90	-1.3	290
2	Mining, quarrying . b/	74	87	98	103	102	103	100	100	101	0.1	2
311/2	Food products	102	102	104	105	104	103	105	107	104	0.5	311/2
313	Beverages	96	97	95	101	109	115	117	122	117	2.0	313
314	Tobacco	100	96	98	97	97	95	95	95	93	-0.9	314
321	Textiles	90	91	94	96	94	94	92	88	83	-2.3	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	81	79	78	74	70	70	63	54	49	-8.5	322
323	Leather and products ...	104	107	110	102	97	96	73	75	63	-5.6	323
324	Footwear	78	68	58	54	55	52	43	35	29	-14.3	324
331	Wood products	91	96	98	93	95	97	101	107	109	1.1	331
332	Furniture, fixtures	75	77	85	86	86	90	89	88	84	-2.2	332
341	Paper and products	93	102	108	108	111	118	120	120	117	2.0	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	99	102	109	110	111	118	114	116	111	1.3	342
351	Industrial chemicals ...	99	110	112	111	109	116	122	122	125	2.8	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	105	111	113	115	110	127	139	136	141	4.4	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	90	109	108	93	138	135	113	140	146	4.8	353
354	Petroleum,coal products.	109	114	135	130	121	116	104	106	105	0.6	354
355	Rubber products	89	94	103	108	102	102	99	87	77	-3.2	355
356	Plastic products n.e.c..	92	98	109	111	114	119	127	121	126	2.9	356
361	Pottery,china etc	101	110	103	111	106	106	88	91	85	-2.0	361
362	Glass and products	95	103	105	108	108	121	124	125	117	2.0	362
369	Non-metal products n.e.c	84	80	82	81	80	85	87	93	93	-0.9	369
371	Iron and steel	96	99	109	110	103	105	116	117	111	1.3	371
372	Non-ferrous metals	97	101	104	102	101	103	102	101	101	0.1	372
381	Metal products	94	96	105	109	108	115	121	126	117	2.0	381
382	Machinery n.e.c.	94	98	108	116	113	111	114	123	119	2.2	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	108	115	124	133	135	144	160	173	167	6.6	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	108	109	111	117	118	114	111	108	98	-0.3	384
3841	Shipbuilding, repair..	108	100	87	88	72	43	31	28	28	-14.7	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	98	103	109	137	137	138	140	192	179	7.5	385
390	Other industries	87	85	82	86	84	86	91	76	74	-3.7	390
3	Manufacturing	97	102	107	110	110	113	116	118	114	1.7	3
410	Electricity,gas,steam ..	110	126	141	154	156	169	...	...	...	d/ 7.8	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	99	98	98	100	100	100	101	...	...	e/ 0.1	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry b/c/	97	101	107	110	110	113	116	118	114	1.7	2-4

a/ Annual growth rate 1982-1990.
b/ Excluding clay and sand pits.
c/ Excluding electricity, gas, steam and water.
d/ Annual growth rate 1980-1987.
e/ Annual growth rate 1980-1988.

SWITZERLAND

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Office fédéral de la statistique (OFS), Berne. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The data are compiled according to the Labour Law of 1964, effective 1 February 1966, covering labour in industry, handicrafts and trade. Industry, as defined by this Law, covers all industrial establishments using automatic processes or presenting particular dangers to the life or health of the worker and all other establishments employing at least 6 production workers. Purely family concerns are exempt and military establishments, which are subject to special provisions, are not included in the tabulations. All personnel engaged by the establishment are included, rather than persons subject to special legal provisions only. The estimates are compiled according to an activity classification whereby certain industrial activities performed by non-industrial enterprises solely for their own use are not included.

The estimates, which are derived from information compiled according to the national scheme, have been adjusted as far as possible to the present version of ISIC.

The estimates of persons engaged relate to 30 September.

The indices of industrial production are compiled by the Office fédéral de la statistique (OFS), Berne and provided in response to the United Nations Questionnaire on Indices of Industrial Production.

Related national publications:

Data published by the Office fédéral de la statistique (OFS) in dedicated publications.

SWITZERLAND

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/b/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	469	434	440	...	...	49.9	45.6	46.2	...	...	311/2
313	Beverages	99	97	95	...	...	7.7	7.6	7.6	...	...	313
314	Tobacco	23	23	20	...	...	3.5	3.4	3.4	...	...	314
321	Textiles	514	503	490	...	...	35.9	34.0	32.0	...	...	321
3211	Spinning,weaving etc..	336	325	309	...	...	24.7	24.4	22.4	...	...	3211
322	Wearing apparel	382	391	366	...	...	15.4	17.7	16.6	...	...	322
323	Leather and products ...	73	74	73	...	...	1.8	1.8	1.7	...	...	323
324	Footwear	49	49	50	...	...	4.9	4.4	4.1	...	...	324
331	Wood products	539	541	528	...	...	18.2	18.7	18.9	...	...	331
332	Furniture, fixtures	225	220	214	...	...	9.1	9.2	9.4	...	...	332
341	Paper and products	161	160	161	...	...	15.2	15.2	15.3	...	...	341
3411	Pulp,paper etc.	34	35	36	...	...	7.8	7.8	7.9	...	...	3411
342	Printing,publishing	695	687	684	...	...	40.8	41.9	42.2	...	...	342
351	Industrial chemicals ... c/	340	346	339	...	...	67.6	68.9	70.4	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	28	26	25	...	...	5.8	5.5	5.5	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	8	8	8	...	...	0.7	0.6	0.6	...	...	353
354	Petroleum,coal products.	34	54	54	...	...	0.6	1.1	1.3	...	...	354
355	Rubber products	31	37	36	...	...	2.8	3.1	3.0	...	...	355
356	Plastic products n.e.c..	285	295	300	...	...	14.9	15.4	16.0	...	...	356
361	Pottery,china etc	16	16	17	...	...	1.8	1.8	1.7	...	...	361
362	Glass and products	54	55	55	...	...	3.9	3.8	3.9	...	...	362
369	Non-metal products n.e.c	334	405	401	...	...	14.5	15.5	15.7	...	...	369
371	Iron and steel	62	102	100	...	...	9.7	18.5	18.2	...	...	371
372	Non-ferrous metals	97	76	74	...	...	13.1	8.8	8.7	...	...	372
381	Metal products	1074	1073	1075	...	...	58.8	59.6	59.6	...	...	381
382	Machinery n.e.c. ..... d/	1343	1380	1390	...	...	205.3	207.4	205.7	...	...	382
3825	Office,computing etc..	28	25	23	...	...	3.7	3.6	3.6	...	...	3825
383	Electrical machinery ... d/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	25	24	21	...	...	2.4	2.1	1.8	...	...	3832
384	Transport equipment	95	81	84	...	...	16.3	12.9	13.4	...	...	384
3841	Shipbuilding, repair..	3	3	3	...	...	0.1	0.1	0.1	...	...	3841
3843	Motor vehicles	30	28	29	...	...	3.0	2.9	3.2	...	...	3843
385	Professional goods	755	743	719	...	...	47.2	45.1	44.8	...	...	385
390	Other industries	128	129	133	...	...	8.8	9.0	9.2	...	...	390
3	Manufacturing	7885	7979	7906	...	...	668.4	669.9	668.3	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments subject to the Labour Law; see country note.
b/ In September of the year indicated.
c/ Major group 352 is included in 351.
d/ Major group 383 is included in 382.

3. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	..	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products											311/2
313	Beverages	101	100	101	101	102	104	106	109	111	1.3	313
314	Tobacco											314
321	Textiles	96	96	102	105	107	105	106	104	99	-0.1	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	93	90	88	86	89	82	75	72	74	-3.7	322
323	Leather and products ... b/	90	92	99	106	108	110	121	125	133	3.6	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	89	89	94	95	102	103	106	111	119	2.2	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	97	98	102	105	113	118	122	126	127	3.0	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	112	116	123	136	144	152	159	159	161	6.1	342
351	Industrial chemicals ... c/	103	109	115	123	125	129	146	169	171	6.9	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products ..... b/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc											361
362	Glass and products	93	92	94	94	87	89	91	93	91	-1.2	362
369	Non-metal products n.e.c											369
371	Iron and steel	91	90	98	101	103	105	115	116	117	2.0	371
372	Non-ferrous metals											372
381	Metal products											381
382	Machinery n.e.c. ..... d/	92	88	88	94	99	99	106	106	114	1.7	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... d/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... d/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	60	58	62	72	80	75	76	80	79	-2.9	385
390	Other industries											390
3	Manufacturing	94	94	97	103	106	107	117	120	123	2.6	3
410	Electricity,gas,steam ..	108	108	102	114	116	121	123	110	112	1.4	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry e/	96	95	97	103	107	108	117	119	122	2.5	2-4

a/ Annual growth rate 1982-1990.
b/ Major group 355 is included in 323.
c/ Major group 352 is included in 351.
d/ Major groups 383 and 384 are included in 381 and 382 combined.
e/ Excluding mining and water works and supply.

The information in the tables, except for the indices, is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Central Bureau of Statistics, Office of the Prime Minister, Damascus. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

The data in the tables are derived from the survey of industrial establishments undertaken annually by the Central Bureau of Statistics. The inquiry is carried out by means of field interview by trained enumerators. Establishments with 10 or more persons engaged are completely enumerated, while those with fewer than 10 persons engaged are covered on a sample basis. The figures in the tables refer to all establishments, irrespective of size, except home industries. However, the directory of establishments used in the annual industrial surveys has not been brought up to date and consequently does not strictly reflect the situation of existing establishments. It should be noted that the table for number of establishments refers to the private sector only. Data for other tables refer to both the public and private sector unless otherwise footnoted.

The data in the tables are based on the national classification system, which follows the preceding version of ISIC. They have been adjusted by the Central Bureau of Statistics to represent the present version as far as details permitted. It should be noted that the manufacturing estimates include repair services for the general public (ISIC major division 9).

Value added refers to the net domestic product and valuation of output and value added is in factor values.

The indices of industrial production are compiled by the Central Bureau of Statistics and provided in response to the United Nations Questionnaire on Indices of Industrial Production. The indices cover, in principle, all major industries.

Related national publication:

Statistical Abstract (annual), published by the Central Bureau of Statistics, Office of the Prime Minister, Damascus.

ISIC	INDUSTRY	1. AVERAGE NUMBER OF PERSONS ENGAGED (THOUSANDS)					2. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	-	-	-	-	-	-	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	-	-	-	-	-	-	-	-	-	-	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	13.3	13.6	14.0	14.6	14.6	592.0	759.0	960.0	1076.0	1232.0	2
311/2	Food products	...	...									311/2
313	Beverages	...	...	31.2	32.7	32.8	879.0	922.0	1044.0	1203.0	1537.0	313
314	Tobacco	...	...									314
321	Textiles ..... b/	...	...	34.5	35.6	32.4	834.0	910.0	1015.0	1229.0	1468.0	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... b/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ... b/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear ..... b/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	...	...	1.0	1.0	0.9	26.0	32.0	35.0	37.0	41.0	331
332	Furniture, fixtures	...	...									332
341	Paper and products ..... c/	...	...	1.1	0.9	0.8	26.0	35.0	31.0	33.0	34.0	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... c/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... d/	...	...	14.0	13.2	13.3	500.0	562.0	641.0	737.0	823.0	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. d/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... d/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. d/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products ..... d/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. d/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...									361
362	Glass and products	...	...	12.2	12.9	12.7	411.0	447.0	521.0	580.0	727.0	362
369	Non-metal products n.e.c	...	...									369
371	Iron and steel	...	...	1.8	1.8	1.8	61.0	53.0	62.0	74.0	163.0	371
372	Non-ferrous metals	...	...									372
381	Metal products ..... e/	...	...	5.9	5.8	5.6	167.0	178.0	209.0	220.0	259.0	381
382	Machinery n.e.c.	...	...									382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... e/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... e/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	-	-	-	-	-	-	-	-	385
390	Other industries	...	...	-	-	-	-	-	-	-	-	390
3	Manufacturing ..... f/	...	...	101.8	103.9	100.3	2904.0	3139.0	3558.0	4113.0	5052.0	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc g/	23.6	24.0	23.6	25.6	26.3	614.0	696.0	848.0	985.0	1205.0	4
2-4	All industry f/g/	...	...	139.4	144.1	141.2	4110.0	4594.0	5366.0	6174.0	7489.0	2-4

a/ Public sector only
b/ Major groups 322 to 324 are included in 321.
c/ Major group 342 is included in 341.
d/ Major groups 352 to 356 are included in 351.
e/ Major groups 383 and 384 are included in 381 and 382 combined.
f/ Including repair services.
g/ Excluding gas and steam.

SYRIAN ARAB REPUBLIC

ISIC	INDUSTRY	3. OUTPUT IN FACTOR VALUES (MILLION POUNDS)					4. VALUE ADDED IN FACTOR VALUES a/ (MILLION POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	-	-	-	-	...	-	-	-	-	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	-	-	-	-	...	-	-	-	-	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	4092	10407	16801	26429	...	2837	8872	14298	23058	...	2
311/2	Food products	[				...	[				...	311/2
313	Beverages	7231	10357	11587	19848	...	233	1682	-1827	3836	...	313
314	Tobacco	]				...	]				...	314
321	Textiles ..... b/	6621	8605	15454	20816	...	1461	2045	4245	4799	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... b/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ... b/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear ..... b/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	[				...	[				...	331
332	Furniture, fixtures	1544	1361	2177	3271	...	770	350	689	902	...	332
341	Paper and products ..... c/	512	279	641	1054	...	171	98	141	222	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... c/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... d/	13529	15255	22593	25439	...	5986	309	4146	3224	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. d/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... d/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. d/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products ..... d/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. d/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	[				...	[				...	361
362	Glass and products	3013	3344	3566	4223	...	1325	1441	1160	1426	...	362
369	Non-metal products n.e.c	]				...	]				...	369
371	Iron and steel	[				...	[				...	371
372	Non-ferrous metals	377	242	299	537	...	111	85	62	136	...	372
381	Metal products	[				...	[				...	381
382	Machinery n.e.c. ..... e/	2602	2762	5150	6072	...	666	1009	1552	1730	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... e/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... e/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	-	-	-	-	...	-	-	-	-	...	385
390	Other industries	483	42	84	266	...	118	9	12	19	...	390
3	Manufacturing ..... f/	35912	42247	61551	81526	...	10841	7028	10180	16294	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc g/	2213	2503	3276	111267	...	11	-101	1055	985	...	4
2-4	All industry f/g/	42217	55157	81628	219222	...	13689	15799	25533	40337	...	2-4

a/ Net domestic product.
b/ Major groups 322 to 324 are included in 321.
c/ Major group 342 is included in 341.
d/ Major groups 352 to 356 are included in 351.
e/ Major groups 383 and 384 are included in 381 and 382 combined.
f/ Including repair services.
g/ Excluding gas and steam.

5. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	108	102	103	106	132	151	178	...	...	f/ 7.5	290
2	Mining, quarrying .	108	102	98	101	125	143	170	218	270	13.2	2
311/2	Food products											311/2
313	Beverages	154	180	175	147	150	131	121	...	...	f/ 2.4	313
314	Tobacco											314
321	Textiles ..... b/	110	134	141	118	133	118	92	...	...	f/ -1.0	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	120	117	73	79	20	12	5	...	...	f/ -31.2	331
332	Furniture, fixtures											332
341	Paper and products	193	320	248	246	164	110	42	...	...	f/ -10.3	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... c/	153	153	192	185	179	199	205	...	...	f/ 9.4	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... c/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. c/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products ..... c/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. c/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	137	165	191	191	191	174	145	...	...	f/ 4.8	362
369	Non-metal products n.e.c											369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	105	127	114	146	107	38	23	...	...	f/ -16.8	372
381	Metal products	d/ 117	d/ 108	d/ 117	d/ 82	d/ 48	d/ 33	d/ 30	...	...	f/ -14.0	381
382	Machinery n.e.c.											382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... d/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... d/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	127	167	178	163	161	160	152	158	163	6.3	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	141	227	180	194	182	186	226	...	...	f/ 10.7	4101
420	Water works and supply .	114	119	171	182	178	207	215	...	...	f/ 10.0	420
4	Electricity,gas etc	136	156	170	183	172	179	214	232	258	12.6	4
2-4	All industry e/	119	139	143	136	141	146	150	169	186	8.1	2-4

a/ Annual growth rate 1982-1990.
b/ Major group 323 is included in 321.
c/ Major groups 352 to 356 are included in 351.
d/ Major groups 383 and 384 are included in 381 and 382 combined.
e/ Excluding gas and steam.
f/ Annual growth rate 1980-1988.

TONGA

The information in the tables is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Statistics Department, Nuku'alofa.

The data in the tables are derived from the Quarterly Survey of Industrial Production, Employment and Wages and Salaries conducted by the Statistics Department. The Survey covers all registered manufacturing establishments in Tongatapu. Handicrafts undertaken on an establishment basis are included. The field work is carried out by government staff.

The data are available only in broad grouping of industries corresponding to the present version of the ISIC. The concepts and definitions used in reporting the data are generally in accordance with the United Nations standards, although the following points should be noted:

Employment numbers refer to the average of two pay periods nearest to 30 June and 31 December of the year indicated. From 1985, wages and salaries of employees represent a new series of data which correspond to the number of employees.

Output and value added are at producers' prices, although there are neither indirect taxes nor subsidies in Tonga.

Related national publications:

Survey of Manufacturing Sector, Year Ended December 31, 1980 (mimeographed copy), published by the Statistics Department, Nuku'alofa.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products											311/2
313	Beverages	18	22	22	22	20	492	656	560	352	316	313
314	Tobacco											314
321	Textiles b/	11	16	21	24	26	292	400	464	362	410	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel b/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products b/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear b/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	9	11	15	16	16	115	150	131	128	128	331
332	Furniture, fixtures											332
341	Paper and products c/	6	5	5	5	5	105	105	103	108	121	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing c/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals d/	2	3	2	3	3	15	15	17	20	15	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. d/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries d/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. d/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products d/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c. d/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc											361
362	Glass and products	5	8	7	7	8	37	70	49	39	56	362
369	Non-metal products n.e.c											369
371	Iron and steel	-	-	-	-	-	-	-	-	-	-	371
372	Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	372
381	Metal products e/	18	26	22	21	24	154	205	141	141	139	381
382	Machinery n.e.c.											382
3825	Office,computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery e/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment e/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods e/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries f/	3	4	4	3	2	27	35	26	16	12	390
3	Manufacturing	72	95	98	101	104	1237	1636	1491	1166	1197	3
410	Electricity,gas,steam	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Tongatapu division only.
b/ Major groups 322 to 324 are included in 321.
c/ Major group 342 is included in 341.
d/ Major groups 352 to 356 are included in 351.
e/ Major groups 383 to 385 are included in 381 and 382 combined.
f/ Including handicrafts undertaken on an establishment basis.

TONGA

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/ (NUMBER)					4. WAGES AND SALARIES OF EMPLOYEES a/ (THOUSAND PA'ANGA)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products											311/2
313	Beverages	480	641	543	333	297	603.0	595.0	791.0	733.4	720.0	313
314	Tobacco											314
321	Textiles b/	279	376	439	341	387	269.0	398.2	698.0	738.2	759.3	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel b/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products b/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear b/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	112	143	118	108	115	172.0	234.0	207.0	236.4	271.3	331
332	Furniture, fixtures											332
341	Paper and products c/	100	100	99	104	117	196.0	205.0	216.0	257.0	317.0	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing c/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals d/	13	15	17	18	14	35.0	36.2	41.4	59.0	54.0	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products d/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries d/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products d/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products d/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c. d/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc											361
362	Glass and products	35	65	43	37	52	64.0	92.2	69.0	73.1	87.0	362
369	Non-metal products n.e.c											369
371	Iron and steel	-	-	-	-	-	-	-	-	-	-	371
372	Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	372
381	Metal products e/	142	180	123	121	120	331.4	422.0	243.0	280.0	360.4	381
382	Machinery n.e.c.											382
3825	Office,computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery e/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment e/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods e/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries f/	24	32	20	12	7	24.3	37.2	26.0	15.0	13.0	390
3	Manufacturing	1185	1552	1402	1074	1109	1694.7	2019.8	2291.4	2392.1	2582.0	3
410	Electricity,gas,steam	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Tongatapu division only.
b/ Major groups 322 to 324 are included in 321.
c/ Major group 342 is included in 341.
d/ Major groups 352 to 356 are included in 351.
e/ Major groups 383 to 385 are included in 381 and 382 combined.
f/ Including handicrafts undertaken on an establishment basis.

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES a/ (NUMBER)					6. OUTPUT IN PRODUCERS' PRICES a/ (THOUSAND PA'ANGA)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products											311/2
313	Beverages	469	629	533	314	280	6651	6265	6413	6560	6279	313
314	Tobacco											314
321	Textiles b/	277	373	434	335	383	950	1531	2416	3195	3351	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel b/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products b/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear b/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	106	143	118	108	115	474	1427	748	754	715	331
332	Furniture, fixtures											332
341	Paper and products c/	99	95	88	93	107	938	1038	1050	1313	1586	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing c/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals d/	11	12	14	14	11	737	760	811	1456	1347	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products d/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries d/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products d/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products d/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c. d/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc											361
362	Glass and products	32	61	42	37	52	479	524	404	401	693	362
369	Non-metal products n.e.c											369
371	Iron and steel	-	-	-	-	-	-	-	-	-	-	371
372	Non-ferrous metals	-	-	-	-	-	-	-	-	-	-	372
381	Metal products e/	136	175	119	117	116	1703	2138	1539	1693	1672	381
382	Machinery n.e.c.											382
3825	Office,computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery e/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment e/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods e/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries f/	24	32	20	12	5	162	329	147	77	65	390
3	Manufacturing	1154	1520	1368	1030	1069	12094	14012	13528	15449	15708	3
410	Electricity,gas,steam	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Tongatapu division only.
b/ Major groups 322 to 324 are included in 321.
c/ Major group 342 is included in 341.
d/ Major groups 352 to 356 are included in 351.
e/ Major groups 383 to 385 are included in 381 and 382 combined.
f/ Including handicrafts undertaken on an establishment basis.

TRINIDAD AND TOBAGO

The information in the tables, except for the indices, is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Central Statistical Office, Port-of-Spain.

The data for mining and quarrying are derived from the annual sample survey of all establishments conducted by the Central Statistical Office. Data for manufacturing are derived from the survey of establishments with 10 or more persons engaged and from sampling of establishments with less than 10 persons engaged. Response rate is reported to be 80 to 90 per cent. Data are adjusted for non-response. Data for electricity, gas and water are derived from financial statements covering all establishments.

The data are based on the national classification scheme, which is a modified version of the ISIC. The concepts and definitions are generally in accordance with the United Nations standards.

The reference period is basically the calendar year, but financial year is accepted and is incorporated into the calendar year in which the major part of the financial year falls. The data on number of establishments refer to both producing and distributing units. The number of employees relates to the last week in November of the reference year.

The index numbers of industrial production are compiled by the Central Statistical Office and are provided in response to the United Nations Questionnaire on Index Numbers of Industrial Production.

Related national publications:

Quarterly Economic Report; Annual Statistical Digest; Business Surveys (annual), all published by the Central Statistical Office, Port-of-Spain.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS b/ (NUMBER)					2. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	7	7	7	...	...	5.2	5.2	5.0	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining ..... c/	1	1	1	...	...	0.2	0.2	0.2	...	...	290
2	Mining, quarrying . d/	8	8	8	...	...	5.4	5.4	5.2	...	...	2
311/2	Food products	238	226	226	...	...	6.6	6.1	6.1	...	...	311/2
313	Beverages	13	13	13	...	...	1.7	1.7	1.7	...	...	313
314	Tobacco	1	1	1	...	...	0.4	0.4	0.4	...	...	314
321	Textiles	21	14	14	...	...	0.3	0.2	0.2	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	114	101	101	...	...	2.7	2.1	2.1	...	...	322
323	Leather and products ...	11	...	...	...	...	...	...	...	...	...	323
324	Footwear	20	20	20	...	...	0.5	0.6	0.6	...	...	324
331	Wood products	273	...	...	...	...	0.7	0.7	0.7	...	...	331
332	Furniture, fixtures	...	...	...	...	...	1.2	1.2	1.2	...	...	332
341	Paper and products	29	25	25	...	...	1.1	1.0	1.0	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	163	161	161	...	...	1.5	1.7	1.7	...	...	342
351	Industrial chemicals ... e/	...	...	...	...	...	1.5	1.5	1.5	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. e/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	51	51	51	...	...	0.7	0.7	0.7	...	...	3522
353	Petroleum refineries ...	[2	2	2]	...	...	[3.5	3.5	3.5]	...	...	353
354	Petroleum,coal products.				...	...				...	...	354
355	Rubber products	22	22	22	...	...	0.6	0.6	0.6	...	...	355
356	Plastic products n.e.c..	24	...	...	...	...	0.4	0.4	0.4	...	...	356
361	Pottery,china etc	28	...	...	...	...	-	-	-	...	...	361
362	Glass and products	...	...	...	...	...	[1.9	1.9	1.9]	...	...	362
369	Non-metal products n.e.c	...	...	...	...	...				...	...	369
371	Iron and steel ..... f/	2	2	...	...	...	3.2	3.2	3.2	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	-	...	...	372
381	Metal products ..... f/	...	...	...	...	...	...	...	...	...	...	381
382	Machinery n.e.c.	-	-	-	...	...	-	-	-	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	39	...	...	...	...	1.1	1.1	1.1	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	15	...	...	...	...	1.6	1.6	1.6	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	-	-	-	...	...	3841
3843	Motor vehicles	3	2	...	...	...	1.6	1.6	1.6	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing ..... d/g/	1015	587	585	...	...	30.5	29.5	29.5	...	...	3
410	Electricity,gas,steam .. h/	1	1	1	...	...	3.3	3.3	3.2	...	...	410
4101	Electricity	1	1	1	...	...	3.3	3.3	3.2	...	...	4101
420	Water works and supply .	1	1	1	...	...	5.1	5.1	5.2	...	...	420
4	Electricity,gas etc d/	2	2	2	...	...	8.4	8.4	8.4	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ In the last week of November.
b/ Data include both producing and distributing establishments.
c/ Asphalt mining only.
d/ Total represents sum of available data.
e/ Major group 352 is included in 351.
f/ Major group 381 is included in 371.
g/ Including repair services for the general public.
h/ Excluding gas and steam.

TRINIDAD AND TOBAGO

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION DOLLARS) 1986	1987	1988	1989	1990	4. OUTPUT (MILLION DOLLARS) 1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	364.6	415.7	356.7	...	...	3602.2	3910.7	3281.2	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining ..... b/	21.9	19.2	17.2	...	...	61.3	50.7	46.0	...	...	290
2	Mining, quarrying . c/	386.4	434.9	373.9	...	...	3663.5	3961.4	3327.2	...	...	2
311/2	Food products	213.2	222.6	...	...	...	1242.4	1441.9	...	...	...	311/2
313	Beverages	55.9	50.3	...	...	...	351.1	358.9	...	...	...	313
314	Tobacco	24.3	25.0	...	...	...	166.4	160.8	...	...	...	314
321	Textiles	6.1	6.0	2.3	...	...	29.3	33.5	12.9	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	37.7	25.8	26.2	...	...	120.4	108.7	110.2	...	...	322
323	Leather and products ...	...	...	...	...	...	-	-	...	...	...	323
324	Footwear	12.0	6.0	3.8	...	...	49.7	34.2	21.6	...	...	324
331	Wood products	10.8	12.9	10.7	...	...	30.4	36.3	29.9	...	...	331
332	Furniture, fixtures	15.2	16.9	3.8	...	...	53.8	52.6	11.9	...	...	332
341	Paper and products	35.6	37.2	...	...	...	158.8	158.1	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	45.2	49.4	...	...	...	134.7	153.3	...	...	...	342
351	Industrial chemicals ... d/	52.4	47.1	...	...	...	255.6	230.8	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. d/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	22.8	20.1	...	...	...	112.6	103.0	...	...	...	3522
353	Petroleum refineries ...	[258.1	260.2	241.1]	...	...	[1755.3	2055.7	2020.3]	...	...	353
354	Petroleum,coal products.				...	...				...	...	354
355	Rubber products	31.6	28.0	...	...	...	90.6	76.2	...	...	...	355
356	Plastic products n.e.c..	19.6	22.4	...	...	...	66.1	78.5	...	...	...	356
361	Pottery,china etc	0.3	0.3	...	...	...	0.9	0.5	...	...	...	361
362	Glass and products	[70.4	72.5]	...	...	...	[209.3	209.4]	...	...	...	362
369	Non-metal products n.e.c			...	...	...			...	...	...	369
371	Iron and steel ..... e/	118.8	109.3	...	...	...	535.4	542.9	...	...	...	371
372	Non-ferrous metals	-	-	-	...	...	-	-	...	...	...	372
381	Metal products ..... e/	...	...	...	...	...	...	...	...	...	...	381
382	Machinery n.e.c.	-	-	-	...	...	-	-	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	36.2	31.1	...	...	...	123.9	133.4	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	34.4	21.7	...	...	...	124.0	124.9	...	...	...	384
3841	Shipbuilding, repair..	0.4	0.6	...	...	...	1.6	2.7	...	...	...	3841
3843	Motor vehicles	34.0	21.1	...	...	...	212.4	122.2	...	...	...	3843
385	Professional goods	[14.0	15.6]	...	...	...	[55.5	87.3]	...	...	...	385
390	Other industries			...	...	...			...	...	...	390
3	Manufacturing ..... c/f/	1091.8	1060.3	...	...	...	5616.9	6140.8	...	...	...	3
410	Electricity,gas,steam .. g/	169.9	172.1	185.0	...	...	338.8	360.0	369.9	...	...	410
4101	Electricity	169.9	172.1	185.0	...	...	338.8	360.0	369.9	...	...	4101
420	Water works and supply .	194.9	174.7	142.1	...	...	43.3	110.1	134.1	...	...	420
4	Electricity,gas etc c/	364.8	346.8	327.1	...	...	382.1	470.1	504.0	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Including employers' contributions to pension funds.
b/ Asphalt mining only.
c/ Total represents sum of available data.
d/ Major group 352 is included in 351.
e/ Major group 381 is included in 371.
f/ Including repair services for the general public.
g/ Excluding gas and steam.

ISIC	INDUSTRY	5. VALUE ADDED (MILLION DOLLARS)					6. GROSS FIXED CAPITAL FORMATION TOTAL (MILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	3006.8	3393.0	2701.6	...	...	893.7	766.4	551.7	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining ..... a/	44.6	37.1	33.6	...	...	0.1	0.4	...	...	...	290
2	Mining, quarrying . b/	3051.4	3430.1	2735.2	...	...	...	...	...	...	...	2
311/2	Food products	348.0	434.7	...	...	...	91.0	78.9	...	...	...	311/2
313	Beverages	134.6	146.2	...	...	...	33.1	15.3	...	...	...	313
314	Tobacco	137.5	121.7	...	...	...	4.8	13.4	...	...	...	314
321	Textiles	7.4	14.9	5.8	...	...	0.6	1.5	...	...	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	49.7	40.9	41.5	...	...	4.1	3.1	...	...	...	322
323	Leather and products ...	-	-	...	...	...	-	...	...	...	...	323
324	Footwear	14.4	12.8	8.1	...	...	9.0	...	...	...	...	324
331	Wood products	12.2	12.9	10.6	...	...	4.3	1.2	...	...	...	331
332	Furniture, fixtures	20.7	18.0	4.1	...	...	2.6	1.7	...	...	...	332
341	Paper and products	95.2	93.1	...	...	...	6.6	19.3	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	72.1	73.9	...	...	...	17.4	16.3	...	...	...	342
351	Industrial chemicals ... c/	60.9	46.1	...	...	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	46.7	33.7	...	...	...	4.1	6.5	...	...	...	3522
353	Petroleum refineries ...	[119.4	116.0	138.9]	...	...	[19.9	13.8	10.9]	...	...	353
354	Petroleum,coal products.				...	...				...	...	354
355	Rubber products	42.6	38.8	...	...	...	2.7	1.4	...	...	...	355
356	Plastic products n.e.c..	32.9	39.2	...	...	...	5.3	8.2	...	...	...	356
361	Pottery,china etc	0.5	0.5	...	...	...	...	...	...	...	...	361
362	Glass and products	[109.1	106.9]	...	...	...	[16.0	10.3]	...	...	...	362
369	Non-metal products n.e.c			...	...	...			...	...	...	369
371	Iron and steel ..... d/	79.3	58.4	...	...	...	12.3	26.7	...	...	...	371
372	Non-ferrous metals	-	-	...	...	...	-	-	...	...	...	372
381	Metal products ..... d/	...	...	...	...	...	...	...	...	...	...	381
382	Machinery n.e.c.	-	-	...	...	...	-	-	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	47.4	48.2	...	...	...	7.9	9.3	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	107.5	76.4	...	...	...	2.7	0.6	...	...	...	384
3841	Shipbuilding, repair..	0.5	1.1	...	...	...	0.3	0.1	...	...	...	3841
3843	Motor vehicles	107.0	75.3	...	...	...	2.7	0.5	...	...	...	3843
385	Professional goods	[21.2	23.8]	...	...	...	[4.0	7.2]	...	...	...	385
390	Other industries			...	...	...			...	...	...	390
3	Manufacturing ..... e/	1535.9	1546.4	...	...	...	...	...	...	...	...	3
410	Electricity,gas,steam ..	379.8	...	...	...	...	...	...	...	...	...	410
4101	Electricity	207.2	213.6	227.4	...	...	65.8	45.9	30.1	...	...	4101
420	Water works and supply .	-8.8	4.2	43.9	...	...	0.7	5.1	...	...	...	420
4	Electricity,gas etc	371.0	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Asphalt mining only.
b/ Total represents sum of available data.
c/ Major group 352 is included in 351.
d/ Major group 381 is included in 371.
e/ Including repair services for the general public.

7. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	91	93	93	80	84	83	81	83	82	-2.5	311/2
313	Beverages	110	108	107	92	94	108	94	116	128	3.1	313
314	Tobacco	106	105	110	104	98	91	98	79	78	-3.1	314
321	Textiles	66	57	55	43	53	38	29	33	42	-10.3	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ... b/	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	79	88	77	57	72	106	60	54	52	-7.8	324
331	Wood products	94	104	106	51	49	26	21	27	36	-12.0	331
332	Furniture, fixtures	69	34	38	28	28	24	5	2	2	-38.7	332
341	Paper and products	88	73	62	81	171	101	59	49	59	-6.4	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	110	93	91	91	85	73	70	68	66	-5.1	342
351	Industrial chemicals ...	118	139	172	238	280	271	321	332	336	16.4	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	83	98	58	68	86	83	79	81	79	-2.9	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	71	39	42	42	41	45	41	38	38	-11.4	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. b/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	120	150	131	107	108	110	105	94	94	-0.8	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	92	508	411	402	674	788	719	733	760	28.9	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	110	117	97	64	47	48	39	32	40	-10.8	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	93	106	98	67	63	37	36	27	23	-16.8	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries ..... b/	89	92	79	72	91	93	91	89	91	-1.2	390
3	Manufacturing	104	109	103	99	121	125	120	121	124	2.7	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	140	146	154	154	171	181	183	181	188	8.2	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Annual growth rate 1982-1990.

b/ Major groups 323 and 356 are included in 390.

TURKEY

The information on industrial activity is based on the reply to the United Nations General Industrial Statistics Questionnaire from the State Institute of Statistics, Ankara.

The estimates are derived from three separate inquiries, all conducted by the State Institute of Statistics on a complete enumeration basis. They are the annual mining statistics, the annual survey of manufacturing industry and the annual gas and water statistics. The mining inquiry covers all establishments engaged in mining activities. The manufacturing industrial survey covers all establishments in the public sector and establishments with 25 or more persons engaged in the private sector. For gas and water supply, the inquiry covers all gas establishments and all water works and supply establishments in places with population of 25,000 or more plus sampling for those in places with population of less than 25,000. Data have been adjusted for non-response.

The national classification scheme used in compiling the estimates follows the present version of the ISIC. The concepts, definitions and classification by branches of industry are generally in accordance with the United Nations standards.

The employment estimates relate generally to annual averages. They are based on the number of production workers and other employees in four months of the year, and the number of active owners, partners and unpaid family workers for one period. The data include apprentices who work for no pay, or very little, in order to learn a craft. Homeworkers are not counted; payments to homeworkers are included in the cost of contract work done by others. Wages and salaries relate to the gross payments made for work done, including bonuses and premiums and payments in kind. However, wages and salaries of operatives for mining exclude payments in kind.

The concept of output represents the sum of (a) the value of sales of goods and electricity produced by the establishment, (b) receipts for services rendered to others, (c) the value of fixed assets produced by the establishment for its own use, (d) the value of sales of goods purchased and resold without further processing, and (e) miscellaneous receipts (repair, maintenance, construction, installation, income, sales of by-products, scrap etc.); adjustments are made for changes in the value of stocks of finished and semi-finished goods. The valuation includes excise and production taxes and any charges for delivery performed by the establishment.

Value added is the difference between output and the cost of the following inputs: raw materials, components and containers; products bought and sold without further processing; fuels and electricity, and payments for manufacturing work done by others. Valuation is at delivered cost, defined as purchase price plus taxes and duties, transportation and loading expenses, all kinds of expenditures made before the goods are received, net of discounts. As input is measured on a received basis, adjustments are made for changes in stocks.

Gross fixed capital formation represents the value of the acquisition of new and used fixed assets, including assets produced by the establishment staff. Sales are not generally deducted.

The indices of industrial production are compiled by the State Institute of Statistics and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover both privately owned and publicly owned establishments.

Related national publications:

Maden Istatistikleri (Mining Statistics) (annual); Yillik Imalat Sanayii Anket Sonuclari (Annual Survey of the Manufacturing Industry); Turkiye Istatistik Yilligi (Statistical Yearbook of Turkey), all published by the State Institute of Statistics, Ankara.

TURKEY

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	270	257	249	247	...	83.2	83.5	80.2	81.3	...	210
220	Petroleum and gas	33	36	57	63	...	0.9	1.0	1.0	1.2	...	220
230	Metal ore mining	181	168	193	203	...	16.5	16.5	17.2	18.2	...	230
290	Other mining	298	326	339	339	...	12.3	11.9	12.1	13.0	...	290
2	Mining, quarrying .	782	787	838	852	...	112.9	112.9	110.5	113.7	...	2
311/2	Food products	849	858	864	908	...	124.1	127.4	127.9	133.8	...	311/2
313	Beverages	75	73	77	79	...	11.6	12.1	13.3	14.0	...	313
314	Tobacco	54	48	48	47	...	41.0	35.1	33.5	35.1	...	314
321	Textiles	694	698	724	741	...	178.6	186.4	194.0	198.1	...	321
3211	Spinning,weaving etc..	440	431	457	462	...	147.6	151.6	158.9	158.3	...	3211
322	Wearing apparel	339	446	577	669	...	32.4	44.3	61.6	71.6	...	322
323	Leather and products ...	80	79	62	67	...	5.0	5.2	3.9	4.8	...	323
324	Footwear	41	39	40	46	...	5.6	5.6	5.5	5.6	...	324
331	Wood products	115	119	118	123	...	12.9	13.4	13.8	13.8	...	331
332	Furniture, fixtures	54	56	58	48	...	4.4	5.1	5.0	4.6	...	332
341	Paper and products	92	100	95	90	...	20.9	21.9	21.1	20.7	...	341
3411	Pulp,paper etc.	24	24	25	23	...	14.0	14.0	13.2	13.4	...	3411
342	Printing,publishing	114	108	120	122	...	11.9	12.1	13.6	13.1	...	342
351	Industrial chemicals ...	91	89	76	75	...	33.4	33.3	30.4	31.5	...	351
3511	Basic excl fertilizers	49	48	38	40	...	8.9	8.8	7.2	8.5	...	3511
3513	Synthetic resins etc .	23	22	19	20	...	14.4	14.8	14.0	14.4	...	3513
352	Other chemical products.	163	179	173	167	...	22.8	25.6	26.2	26.9	...	352
3522	Drugs and medicines ..	56	57	56	59	...	10.5	11.3	11.7	12.5	...	3522
353	Petroleum refineries ...	4	5	5	5	...	3.9	4.9	5.0	4.9	...	353
354	Petroleum,coal products.	26	28	25	25	...	4.3	4.2	4.2	4.6	...	354
355	Rubber products	88	95	99	96	...	10.2	11.8	13.6	13.1	...	355
356	Plastic products n.e.c..	145	144	150	161	...	11.6	11.5	12.7	13.1	...	356
361	Pottery,china etc	33	33	29	27	...	11.8	12.3	13.3	10.4	...	361
362	Glass and products	32	35	38	35	...	13.3	13.9	14.8	15.2	...	362
369	Non-metal products n.e.c	385	402	430	456	...	45.3	47.7	51.1	53.4	...	369
371	Iron and steel	212	209	220	204	...	57.7	58.5	62.5	61.6	...	371
372	Non-ferrous metals	79	87	95	92	...	21.4	21.6	21.6	21.5	...	372
381	Metal products	381	383	379	369	...	39.3	40.5	41.1	37.8	...	381
382	Machinery n.e.c.	343	361	349	333	...	49.6	54.8	54.3	51.0	...	382
3825	Office,computing etc..	13	14	7	6	...	1.7	2.1	0.4	0.4	...	3825
383	Electrical machinery ...	258	247	257	240	...	41.7	42.1	42.7	40.4	...	383
3832	Radio,television etc..	46	43	49	49	...	14.6	15.2	16.4	15.6	...	3832
384	Transport equipment	222	221	214	209	...	55.6	56.1	59.6	58.0	...	384
3841	Shipbuilding, repair..	20	14	14	19	...	5.6	5.1	5.0	5.4	...	3841
3843	Motor vehicles	189	195	188	178	...	38.3	39.7	42.0	40.3	...	3843
385	Professional goods	36	29	36	37	...	2.2	1.9	3.9	4.1	...	385
390	Other industries	59	62	63	60	...	4.4	4.5	4.9	4.8	...	390
3	Manufacturing	5064	5233	5421	5531	...	876.9	913.8	955.1	967.5	...	3
410	Electricity,gas,steam ..	3	3	3	3	...	1.5	1.9	2.0	1.9	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	850	850	850	869	...	26.7	25.5	27.4	29.9	...	420
4	Electricity,gas etc	853	853	853	872	...	28.2	27.4	29.4	31.8	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: all establishments in the public sector and those with 25 or more persons engaged in private sector.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/ (BILLION LIRAS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	83.2	83.5	80.2	81.3	...	164	239	348	698	...	210
220	Petroleum and gas	0.9	1.0	1.0	1.2	...	5	6	17	34	...	220
230	Metal ore mining	16.5	16.5	17.2	18.2	...	27	41	68	149	...	230
290	Other mining	12.3	11.9	12.1	13.0	...	16	24	48	107	...	290
2	Mining, quarrying .	112.9	112.9	110.5	113.7	...	212	310	481	988	...	2
311/2	Food products	123.7	127.1	127.7	133.5	...	175	264	414	946	...	311/2
313	Beverages	11.6	12.0	13.4	14.0	...	23	34	55	123	...	313
314	Tobacco	41.0	35.0	33.5	35.1	...	63	78	99	264	...	314
321	Textiles	178.3	186.2	193.8	197.9	...	263	402	732	1350	...	321
3211	Spinning,weaving etc..	147.5	151.5	158.8	158.2	...	226	340	625	1133	...	3211
322	Wearing apparel	32.3	44.2	61.4	71.4	...	33	65	155	323	...	322
323	Leather and products ...	4.9	5.2	3.8	4.8	...	6	8	10	24	...	323
324	Footwear	5.6	5.6	5.5	5.5	...	8	13	23	39	...	324
331	Wood products	12.8	13.3	13.7	13.7	...	15	24	41	84	...	331
332	Furniture, fixtures	4.3	5.1	5.0	4.6	...	5	9	14	26	...	332
341	Paper and products	21.0	21.9	21.1	20.7	...	38	58	84	220	...	341
3411	Pulp,paper etc.	14.0	14.0	13.2	13.4	...	25	38	52	154	...	3411
342	Printing,publishing	11.9	12.1	13.5	13.1	...	25	42	72	150	...	342
351	Industrial chemicals ...	33.4	33.3	30.4	31.5	...	79	119	187	394	...	351
3511	Basic excl fertilizers	8.9	8.8	7.2	8.5	...	18	27	36	99	...	3511
3513	Synthetic resins etc .	14.4	14.8	14.0	14.4	...	36	55	94	200	...	3513
352	Other chemical products.	22.8	25.5	26.2	26.9	...	59	105	186	404	...	352
3522	Drugs and medicines ..	10.4	11.3	11.7	12.5	...	31	53	93	203	...	3522
353	Petroleum refineries ...	3.9	4.9	5.0	4.9	...	14	22	33	107	...	353
354	Petroleum,coal products.	4.3	4.2	4.2	4.6	...	10	15	30	62	...	354
355	Rubber products	10.1	11.8	13.5	13.0	...	24	38	77	163	...	355
356	Plastic products n.e.c..	11.5	11.4	12.7	13.1	...	18	26	46	100	...	356
361	Pottery,china etc	11.8	12.3	13.3	10.4	...	18	28	51	95	...	361
362	Glass and products	13.3	13.8	14.8	15.2	...	31	50	87	217	...	362
369	Non-metal products n.e.c	45.0	47.5	50.8	53.0	...	73	106	204	391	...	369
371	Iron and steel	57.7	58.5	62.5	61.6	...	143	205	355	819	...	371
372	Non-ferrous metals	21.4	21.6	21.6	21.5	...	41	62	98	236	...	372
381	Metal products	39.2	40.3	41.0	37.7	...	64	99	169	310	...	381
382	Machinery n.e.c.	49.4	54.7	54.1	50.9	...	96	167	259	498	...	382
3825	Office,computing etc..	1.7	2.0	0.4	0.4	...	4	7	2	3	...	3825
383	Electrical machinery ...	41.7	42.1	42.6	40.4	...	92	137	232	423	...	383
3832	Radio,television etc..	14.6	15.2	16.4	15.6	...	39	59	103	181	...	3832
384	Transport equipment	55.5	56.0	59.6	58.0	...	118	185	305	598	...	384
3841	Shipbuilding, repair..	5.6	5.1	5.0	5.4	...	14	19	25	66	...	3841
3843	Motor vehicles	38.2	39.6	41.9	40.3	...	85	134	217	415	...	3843
385	Professional goods	2.1	1.9	3.8	4.1	...	2	3	17	36	...	385
390	Other industries	4.4	4.5	4.9	4.8	...	6	9	16	29	...	390
3	Manufacturing	874.9	912.0	953.4	965.9	...	1542	2373	4051	8431	...	3
410	Electricity,gas,steam ..	1.5	1.9	2.0	1.9	...	4	7	10	16	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	26.7	25.5	27.4	29.9	...	38	57	101	198	...	420
4	Electricity,gas etc	28.2	27.4	29.4	31.8	...	42	64	111	214	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: all establishments in the public sector and those with 25 or more persons engaged in private sector.

TURKEY

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES a/ (BILLION LIRAS)					6. AVERAGE NUMBER OF OPERATIVES a/b/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	23.3	43.5	61.9	171.6	...	79.0	81.1	66.9	67.2	...	210
220	Petroleum and gas	0.1	0.1	0.2	-	...	0.9	1.0	1.0	1.2	...	220
230	Metal ore mining	2.4	3.3	11.0	34.5	...	15.2	15.1	15.5	16.3	...	230
290	Other mining	1.3	1.9	11.9	16.7	...	11.8	11.3	10.6	11.5	...	290
2	Mining, quarrying .	27.1	48.9	85.0	222.8	...	106.9	108.5	94.0	96.2	...	2
311/2	Food products	68.4	104.2	170.3	380.0	...	90.2	92.8	94.1	98.0	...	311/2
313	Beverages	9.4	14.4	23.4	53.1	...	6.9	7.3	7.5	8.3	...	313
314	Tobacco	27.7	31.7	43.2	121.7	...	35.2	30.7	29.3	29.3	...	314
321	Textiles	94.2	150.9	287.1	542.2	...	154.4	161.0	166.8	169.8	...	321
3211	Spinning,weaving etc..	83.3	131.5	254.2	475.6	...	128.0	131.2	136.0	135.1	...	3211
322	Wearing apparel	7.3	14.5	39.0	83.0	...	28.3	38.6	53.1	61.6	...	322
323	Leather and products ...	1.4	2.1	2.7	5.7	...	4.4	4.5	3.4	4.1	...	323
324	Footwear	3.3	5.4	8.9	17.4	...	4.5	4.5	4.3	4.4	...	324
331	Wood products	5.6	9.7	16.5	32.1	...	10.3	10.6	11.0	11.0	...	331
332	Furniture, fixtures	1.2	2.3	4.1	8.0	...	3.7	4.3	4.1	3.8	...	332
341	Paper and products	17.5	25.1	37.8	97.3	...	15.0	15.8	14.4	14.1	...	341
3411	Pulp,paper etc.	12.2	17.5	24.8	70.5	...	9.6	9.6	8.4	8.6	...	3411
342	Printing,publishing	9.3	16.0	25.7	56.8	...	8.2	8.3	9.2	8.6	...	342
351	Industrial chemicals ...	34.7	51.5	77.6	169.1	...	24.3	24.2	21.7	22.3	...	351
3511	Basic excl fertilizers	7.5	11.9	15.1	39.6	...	6.6	6.6	5.5	6.3	...	3511
3513	Synthetic resins etc .	15.4	22.8	35.4	81.5	...	11.8	12.1	11.2	11.4	...	3513
352	Other chemical products.	22.2	42.1	75.4	164.5	...	14.5	15.2	15.6	15.6	...	352
3522	Drugs and medicines ..	11.8	20.8	36.8	81.5	...	5.8	6.1	6.4	6.7	...	3522
353	Petroleum refineries ...	5.4	10.3	15.2	54.8	...	2.7	3.3	3.3	3.3	...	353
354	Petroleum,coal products.	4.0	5.9	11.9	25.8	...	2.2	2.8	2.9	3.0	...	354
355	Rubber products	10.8	15.6	33.3	59.5	...	8.2	9.7	11.3	10.8	...	355
356	Plastic products n.e.c..	6.1	8.4	15.9	35.3	...	8.6	9.0	9.8	10.0	...	356
361	Pottery,china etc	7.2	11.5	21.4	44.0	...	10.4	10.9	11.8	9.0	...	361
362	Glass and products	14.4	23.6	43.6	105.8	...	11.0	11.5	12.3	12.9	...	362
369	Non-metal products n.e.c	29.8	43.9	90.2	168.2	...	34.2	36.6	39.0	41.6	...	369
371	Iron and steel	77.6	112.2	193.7	420.5	...	47.6	49.4	50.8	49.3	...	371
372	Non-ferrous metals	15.1	24.6	38.7	102.5	...	15.2	16.2	15.7	15.6	...	372
381	Metal products	22.5	37.5	66.0	122.7	...	31.8	32.9	33.3	30.4	...	381
382	Machinery n.e.c.	36.3	71.6	116.8	228.7	...	39.0	42.5	42.3	38.5	...	382
3825	Office,computing etc..	1.5	2.6	0.5	0.6	...	1.4	1.3	0.4	0.3	...	3825
383	Electrical machinery ...	35.4	54.6	88.6	167.6	...	31.5	31.6	31.7	29.7	...	383
3832	Radio,television etc..	16.2	24.3	37.4	68.9	...	10.2	10.5	11.4	10.6	...	3832
384	Transport equipment	50.2	83.1	127.7	255.5	...	42.2	43.6	45.3	43.6	...	384
3841	Shipbuilding, repair..	7.2	10.2	14.3	34.4	...	3.7	3.2	3.1	3.3	...	3841
3843	Motor vehicles	33.4	54.9	86.6	172.1	...	28.7	31.3	7.6	31.3	...	3843
385	Professional goods	0.6	0.7	6.9	15.2	...	1.8	1.6	2.7	2.8	...	385
390	Other industries	1.5	2.4	4.8	9.1	...	3.7	3.8	4.1	4.0	...	390
3	Manufacturing	619.2	976.0	1686.4	3546.1	...	690.0	723.2	750.8	755.4	...	3
410	Electricity,gas,steam ..	2.1	3.4	5.3	4.5	...	1.1	1.5	1.5	1.4	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	15.3	21.0	45.7	64.7	...	15.9	16.5	17.1	18.5	...	420
4	Electricity,gas etc	17.4	24.4	51.1	69.2	...	17.0	18.0	18.6	19.9	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: all establishments in the public sector and those with 25 or more persons engaged in private sector.
b/ Manufacturing: numbers in December.

ISIC	INDUSTRY	7. WAGES AND SALARIES OF OPERATIVES a/ (BILLION LIRAS)					8. HOURS WORKED BY OPERATIVES a/ (MILLIONS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	135	188	226	526	...	171.3	184.4	150.3	187.8	...	210
220	Petroleum and gas	5	6	17	33	...	2.0	1.9	2.3	2.7	...	220
230	Metal ore mining	22	33	49	115	...	38.8	35.5	39.4	37.0	...	230
290	Other mining	13	21	30	90	...	26.3	26.1	26.3	25.9	...	290
2	Mining, quarrying .	175	248	322	764	...	238.4	247.9	218.3	253.4	...	2
311/2	Food products	117	178	279	642	...	201.2	209.3	213.8	210.1	...	311/2
313	Beverages	12	17	27	62	...	16.8	18.0	18.3	20.2	...	313
314	Tobacco	54	63	83	206	...	80.9	72.3	65.7	65.7	...	314
321	Textiles	212	319	579	1036	...	370.9	386.7	402.3	409.9	...	321
3211	Spinning,weaving etc..	183	270	494	867	...	308.0	315.8	328.5	327.1	...	3211
322	Wearing apparel	26	51	120	248	...	65.6	90.6	126.9	143.9	...	322
323	Leather and products ...	5	7	9	20	...	10.5	10.4	8.0	9.7	...	323
324	Footwear	6	11	18	29	...	10.8	10.7	10.0	10.0	...	324
331	Wood products	12	18	30	63	...	23.8	25.0	25.7	25.0	...	331
332	Furniture, fixtures	4	6	10	19	...	8.4	10.3	9.6	8.5	...	332
341	Paper and products	26	41	55	146	...	38.1	40.1	34.8	35.1	...	341
3411	Pulp,paper etc.	17	27	34	105	...	25.0	24.9	20.4	21.7	...	3411
342	Printing,publishing	17	28	46	98	...	19.4	19.0	22.5	21.0	...	342
351	Industrial chemicals ...	56	81	130	266	...	62.2	61.7	55.0	55.6	...	351
3511	Basic excl fertilizers	12	18	25	63	...	16.4	16.3	14.2	15.8	...	3511
3513	Synthetic resins etc .	29	44	72	153	...	31.0	31.4	27.7	29.5	...	3513
352	Other chemical products.	31	50	87	189	...	32.3	34.6	35.6	35.4	...	352
3522	Drugs and medicines ..	14	22	38	81	...	13.3	14.1	14.8	15.0	...	3522
353	Petroleum refineries ...	10	15	22	71	...	6.6	8.1	8.4	7.8	...	353
354	Petroleum,coal products.	6	10	16	34	...	5.0	6.1	6.8	6.7	...	354
355	Rubber products	18	28	54	123	...	18.6	21.9	26.6	25.3	...	355
356	Plastic products n.e.c..	13	17	30	66	...	20.1	21.0	23.0	25.0	...	356
361	Pottery,china etc	14	24	41	72	...	27.5	28.9	31.3	22.5	...	361
362	Glass and products	22	36	64	168	...	29.6	29.6	31.6	33.7	...	362
369	Non-metal products n.e.c	49	72	139	265	...	80.8	88.9	94.0	101.3	...	369
371	Iron and steel	115	169	289	659	...	120.9	125.0	132.5	125.1	...	371
372	Non-ferrous metals	27	41	64	129	...	37.5	38.8	37.1	37.5	...	372
381	Metal products	46	71	121	212	...	75.1	79.4	78.0	70.6	...	381
382	Machinery n.e.c.	69	116	184	351	...	90.6	100.3	94.5	85.8	...	382
3825	Office,computing etc..	2	3	1	2	...	3.5	3.1	0.9	0.6	...	3825
383	Electrical machinery ...	58	83	134	246	...	70.2	70.8	71.6	68.1	...	383
3832	Radio,television etc..	21	31	51	90	...	21.6	22.6	24.7	23.5	...	3832
384	Transport equipment	81	129	200	388	...	96.9	99.0	105.0	100.0	...	384
3841	Shipbuilding, repair..	8	11	15	39	...	8.5	7.1	7.5	7.8	...	3841
3843	Motor vehicles	57	90	143	276	...	66.8	71.7	75.1	71.3	...	3843
385	Professional goods	2	2	11	19	...	4.5	3.6	6.5	6.3	...	385
390	Other industries	4	6	12	22	...	8.9	9.2	9.7	9.2	...	390
3	Manufacturing	1112	1689	2854	5849	...	1633.7	1719.3	1784.8	1775.0	...	3
410	Electricity,gas,steam ..	3	5	7	12	...	2.9	4.2	4.2	3.9	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	25	38	67	134	...	41.9	45.1	45.4	49.0	...	420
4	Electricity,gas etc	28	43	74	146	...	44.8	49.3	49.6	52.9	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: all establishments in the public sector and those with 25 or more persons engaged in private sector.

TURKEY

ISIC	INDUSTRY	9. QUANTITY OF ELECTRICITY CONSUMED (MILLION KWH)					10. OUTPUT IN PRODUCERS' PRICES a/ (BILLION LIRAS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	496	603	861	1990	...	210
220	Petroleum and gas	...	...	...	...	...	123	279	358	805	...	220
230	Metal ore mining	...	...	...	...	...	110	134	368	460	...	230
290	Other mining	...	...	...	...	...	169	254	551	876	...	290
2	Mining, quarrying .	...	...	...	...	...	898	1270	2138	4131	...	2
311/2	Food products	1195	1327	1360	1414	...	3159	4633	8163	14931	...	311/2
313	Beverages	62	89	99	105	...	347	595	1141	2189	...	313
314	Tobacco	49	48	46	50	...	905	1106	2105	3427	...	314
321	Textiles	2577	2887	2937	3252	...	2849	4768	7990	13683	...	321
3211	Spinning,weaving etc..	2306	2586	2665	2997	...	2269	3810	6488	11207	...	3211
322	Wearing apparel	49	68	105	121	...	514	1182	2566	4878	...	322
323	Leather and products ...	22	21	18	22	...	125	170	186	419	...	323
324	Footwear	12	14	12	13	...	69	110	149	284	...	324
331	Wood products	178	186	167	194	...	202	382	625	925	...	331
332	Furniture, fixtures	10	15	13	15	...	54	101	182	291	...	332
341	Paper and products	1254	1364	1048	1275	...	458	853	1296	2348	...	341
3411	Pulp,paper etc.	1177	1220	944	1168	...	296	522	654	1465	...	3411
342	Printing,publishing	42	53	39	55	...	237	392	753	1187	...	342
351	Industrial chemicals ...	2049	2553	2369	2489	...	1540	2672	5399	7244	...	351
3511	Basic excl fertilizers	352	452	250	325	...	310	441	505	1046	...	3511
3513	Synthetic resins etc .	1267	1571	1596	1677	...	699	1282	3226	4001	...	3513
352	Other chemical products.	144	149	138	165	...	855	1624	2888	5888	...	352
3522	Drugs and medicines ..	60	44	54	49	...	390	699	1246	2597	...	3522
353	Petroleum refineries ...	345	433	484	497	...	3482	4397	7499	13513	...	353
354	Petroleum,coal products.	14	23	21	21	...	1014	1454	2409	4842	...	354
355	Rubber products	161	185	188	218	...	323	559	1132	1703	...	355
356	Plastic products n.e.c..	155	161	146	197	...	299	483	922	1347	...	356
361	Pottery,china etc	143	183	223	193	...	216	354	590	781	...	361
362	Glass and products	189	258	283	296	...	288	476	845	1474	...	362
369	Non-metal products n.e.c	2437	2748	2673	2983	...	864	1407	2469	4050	...	369
371	Iron and steel	3059	4297	4880	5357	...	2291	3559	6962	12197	...	371
372	Non-ferrous metals	1617	1347	1609	696	...	540	895	1707	3031	...	372
381	Metal products	320	255	279	309	...	673	1160	1932	3196	...	381
382	Machinery n.e.c.	243	298	290	274	...	929	1795	3065	4328	...	382
3825	Office,computing etc..	6	7	5	1	...	28	80	12	25	...	3825
383	Electrical machinery ...	2642	198	208	3898	...	1352	1942	3090	4689	...	383
3832	Radio,television etc..	29	32	35	37	...	760	1058	1527	2161	...	3832
384	Transport equipment	344	414	454	498	...	1239	2039	3861	6192	...	384
3841	Shipbuilding, repair..	21	22	20	23	...	46	58	89	211	...	3841
3843	Motor vehicles	291	354	374	413	...	1117	1874	3541	5570	...	3843
385	Professional goods	4	4	19	15	...	19	29	121	249	...	385
390	Other industries	15	16	15	15	...	56	81	137	261	...	390
3	Manufacturing	19331	19592	20123	24637	...	24899	39218	70184	119547	...	3
410	Electricity,gas,steam ..	11	10	11	11	...	14	20	32	40	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	1080	1132	...	1737	...	145	238	414	879	...	420
4	Electricity,gas etc	1091	1142	...	1748	...	159	258	446	918	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: all establishments in the public sector and those with 25 or more persons engaged in private sector.

ISIC	INDUSTRY	11. VALUE ADDED IN PRODUCERS' PRICES a/ (BILLION LIRAS)					12. GROSS FIXED CAPITAL FORMATION TOTAL a/b/ (BILLION LIRAS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	359	471	646	1753	...	162	111	199	224	...	210
220	Petroleum and gas	118	246	317	751	...	35	26	66	119	...	220
230	Metal ore mining	71	76	271	451	...	19	94	40	55	...	230
290	Other mining	155	237	507	836	...	14	35	36	31	...	290
2	Mining, quarrying .	703	1030	1741	3791	...	230	266	341	429	...	2
311/2	Food products	768	1190	2209	4244	...	72	152	203	335	...	311/2
313	Beverages	232	392	705	1324	...	17	15	19	35	...	313
314	Tobacco	641	769	1407	1821	...	2	8	30	13	...	314
321	Textiles	994	1776	3025	4922	...	262	369	716	1126	...	321
3211	Spinning,weaving etc..	814	1462	2507	4079	...	219	322	536	869	...	3211
322	Wearing apparel	137	345	771	1434	...	13	29	425	120	...	322
323	Leather and products ...	28	47	44	139	...	3	6	6	8	...	323
324	Footwear	22	30	51	103	...	1	2	2	7	...	324
331	Wood products	67	132	193	301	...	3	11	16	33	...	331
332	Furniture, fixtures	17	36	85	120	...	1	7	11	12	...	332
341	Paper and products	148	267	484	901	...	33	60	72	98	...	341
3411	Pulp,paper etc.	98	168	254	601	...	25	38	43	49	...	3411
342	Printing,publishing	102	166	323	486	...	9	18	41	92	...	342
351	Industrial chemicals ...	534	950	2338	2714	...	182	145	157	301	...	351
3511	Basic excl fertilizers	112	172	201	346	...	27	23	34	51	...	3511
3513	Synthetic resins etc .	318	586	1596	1755	...	113	46	73	120	...	3513
352	Other chemical products.	311	612	1107	2281	...	28	55	101	172	...	352
3522	Drugs and medicines ..	148	276	516	1081	...	17	28	46	92	...	3522
353	Petroleum refineries ...	1991	1374	3100	6372	...	44	76	30	60	...	353
354	Petroleum,coal products.	475	212	339	522	...	5	11	9	115	...	354
355	Rubber products	110	203	457	765	...	13	31	93	113	...	355
356	Plastic products n.e.c..	88	145	252	393	...	16	23	41	71	...	356
361	Pottery,china etc	146	254	346	495	...	42	67	77	69	...	361
362	Glass and products	148	274	483	839	...	43	39	71	180	...	362
369	Non-metal products n.e.c	381	652	1207	1951	...	88	142	301	480	...	369
371	Iron and steel	555	1023	2208	3726	...	108	178	823	1449	...	371
372	Non-ferrous metals	170	294	570	1134	...	28	74	112	139	...	372
381	Metal products	268	478	823	1361	...	28	72	145	192	...	381
382	Machinery n.e.c.	359	602	1156	1842	...	69	76	114	232	...	382
3825	Office,computing etc..	14	26	5	11	...	3	1	43	...	...	3825
383	Electrical machinery ...	530	830	1228	1876	...	77	91	179	178	...	383
3832	Radio,television etc..	305	500	628	921	...	38	38	65	55	...	3832
384	Transport equipment	433	697	1391	2204	...	68	306	238	267	...	384
3841	Shipbuilding, repair..	29	37	52	120	...	9	23	4	11	...	3841
3843	Motor vehicles	382	631	1240	1913	...	57	89	194	194	...	3843
385	Professional goods	8	11	58	123	...	1	1	11	15	...	385
390	Other industries	24	32	52	122	...	2	3	5	12	...	390
3	Manufacturing	9687	13793	26412	44515	...	1258	2067	5751	5924	...	3
410	Electricity,gas,steam ..	5	7	14	10	...	-	-	-	271	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	67	142	276	533	...	67	17	30	136	...	420
4	Electricity,gas etc	72	149	290	543	...	67	17	30	407	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: all establishments in the public sector and those with 25 or more persons engaged in private sector.
b/ The value of sales is not deducted.

TURKEY

ISIC	INDUSTRY	13. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/b/ (BILLION LIRAS)					14. VALUE OF STOCKS AT END OF PERIOD TOTAL a/ (BILLION LIRAS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	106	75	98	29	...	...	...	...	...	...	210
220	Petroleum and gas	7	8	11	45	...	...	...	...	...	...	220
230	Metal ore mining	10	54	17	10	...	...	...	...	...	...	230
290	Other mining	7	5	11	15	...	...	...	...	...	...	290
2	Mining, quarrying .	130	142	137	99	...	...	...	...	...	...	2
311/2	Food products	48	100	132	238	...	664	936	1609	2812	...	311/2
313	Beverages	12	12	15	24	...	42	54	120	288	...	313
314	Tobacco	1	6	26	9	...	224	250	570	896	...	314
321	Textiles	235	333	723	960	...	553	924	1519	2462	...	321
3211	Spinning,weaving etc..	199	295	561	766	...	459	753	1274	2070	...	3211
322	Wearing apparel	9	20	403	68	...	81	177	345	650	...	322
323	Leather and products ...	2	5	4	5	...	19	42	39	76	...	323
324	Footwear	1	1	2	5	...	22	31	45	56	...	324
331	Wood products	2	7	10	20	...	49	99	186	265	...	331
332	Furniture, fixtures	-	3	3	6	...	11	20	30	40	...	332
341	Paper and products	26	52	61	67	...	68	127	247	450	...	341
3411	Pulp,paper etc.	20	33	36	29	...	52	89	184	342	...	3411
342	Printing,publishing	8	14	28	53	...	43	55	69	109	...	342
351	Industrial chemicals ...	139	108	91	214	...	238	351	650	867	...	351
3511	Basic excl fertilizers	24	18	29	37	...	37	41	51	115	...	3511
3513	Synthetic resins etc .	74	30	42	88	...	129	191	396	570	...	3513
352	Other chemical products.	18	34	63	102	...	134	206	367	600	...	352
3522	Drugs and medicines ..	11	16	27	52	...	81	112	202	334	...	3522
353	Petroleum refineries ...	4	9	6	31	...	117	396	568	786	...	353
354	Petroleum,coal products.	5	7	10	79	...	43	76	169	265	...	354
355	Rubber products	11	28	83	81	...	36	66	149	218	...	355
356	Plastic products n.e.c..	14	19	33	59	...	35	62	108	161	...	356
361	Pottery,china etc	36	54	59	62	...	26	46	111	136	...	361
362	Glass and products	27	27	61	162	...	34	62	94	168	...	362
369	Non-metal products n.e.c	68	112	237	410	...	100	148	278	475	...	369
371	Iron and steel	82	124	615	1308	...	420	644	1200	2644	...	371
372	Non-ferrous metals	23	66	88	96	...	83	142	347	492	...	372
381	Metal products	22	46	116	145	...	103	189	336	536	...	381
382	Machinery n.e.c.	58	54	86	167	...	219	419	598	840	...	382
3825	Office,computing etc..	2	3	18	...	...	4	15	2	2	...	3825
383	Electrical machinery ...	59	74	130	123	...	264	359	581	819	...	383
3832	Radio,television etc..	27	31	37	26	...	149	189	295	399	...	3832
384	Transport equipment	55	269	190	173	...	262	365	610	996	...	384
3841	Shipbuilding, repair..	9	16	4	6	...	19	28	44	102	...	3841
3843	Motor vehicles	45	59	160	131	...	115	290	473	714	...	3843
385	Professional goods	-	1	9	11	...	4	6	28	43	...	385
390	Other industries	2	3	3	6	...	17	21	32	49	...	390
3	Manufacturing	967	1588	3287	4684	...	3911	6273	11005	18199	...	3
410	Electricity,gas,steam ..	-	-	-	-	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	2	5	18	9	...	...	...	...	...	...	420
4	Electricity,gas etc	2	5	18	9	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: all establishments in the public sector and those with 25 or more persons engaged in private sector.
b/ The value of sales is not deducted.

15. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	116	120	133	162	174	177	157	183	159	6.0	210
220	Petroleum and gas	100	95	90	91	103	113	110	124	160	6.1	220
230	Metal ore mining	116	112	136	151	185	187	202	192	136	3.9	230
290	Other mining	105	191	106	116	123	122	152	149	155	5.6	290
2	Mining, quarrying .	123	120	124	138	153	161	152	171	182	7.8	2
311/2	Food products	151	124	161	158	159	178	182	190	198	8.9	311/2
313	Beverages	132	148	136	121	128	144	163	186	200	9.1	313
314	Tobacco	142	149	156	156	135	132	138	145	154	5.5	314
321	Textiles	134	148	162	173	190	209	216	226	231	11.0	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	133	139	109	105	138	96	97	143	152	5.4	323
324	Footwear	151	164	171	158	173	204	129	161	159	6.0	324
331	Wood products	140	160	155	157	176	181	173	178	212	9.8	331
332	Furniture, fixtures	298	236	306	346	374	426	433	423	479	21.6	332
341	Paper and products	164	161	198	202	215	260	243	270	303	14.9	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	287	252	229	237	232	241	223	195	239	11.5	342
351	Industrial chemicals ...	169	204	212	223	284	345	330	329	342	16.6	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	94	107	112	125	135	143	140	174	185	8.0	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	130	128	144	142	151	174	180	171	179	7.5	353
354	Petroleum,coal products.	125	136	149	131	142	165	186	203	199	9.0	354
355	Rubber products	94	112	134	134	140	145	156	143	129	3.2	355
356	Plastic products n.e.c..	90	85	88	94	107	122	112	127	142	4.5	356
361	Pottery,china etc	64	71	90	97	113	135	156	168	175	7.2	361
362	Glass and products	222	226	256	271	285	333	364	384	458	21.0	362
369	Non-metal products n.e.c	77	71	83	92	110	121	122	125	121	2.4	369
371	Iron and steel	107	131	159	173	213	248	258	251	295	14.5	371
372	Non-ferrous metals	156	152	194	227	239	232	194	237	268	13.1	372
381	Metal products	130	136	169	178	207	236	250	256	276	13.5	381
382	Machinery n.e.c.	163	179	191	173	174	212	192	185	228	10.9	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	78	106	161	210	258	255	208	221	330	16.1	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	179	226	241	252	257	272	272	251	351	17.0	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	119	131	145	152	168	186	188	191	210	9.7	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	114	117	132	145	152	170	184	199	221	10.4	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	117	127	141	149	166	184	187	194	212	9.8	2-4

a/ Annual growth rate 1982-1990.

UGANDA

The information in the tables is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Statistics Division, Ministry of Planning and Economic Development, Entebbe. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards.

Except for metal ore mining and electricity, data in the tables are derived from the survey of industrial production undertaken annually since 1963 by the Statistics Division mentioned above. The inquiry is carried out by mail and field contact and covers registered establishments with an average of 10 or more employees engaged in industrial production. In the tables, adjustments have been made for non-response. The survey excludes government departments and East African Community departments engaged in industrial production, except the Printing Department in Entebbe.

Related national publication:

Survey of Industrial Production (annual), published by the Statistics Division, Ministry of Planning and Economic Development, Entebbe.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF EMPLOYEES a/ (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	16	27	39	31	...	1409	2136	3410	3116	...	311/2
313	Beverages	6	7	8	7	...	1546	1729	1943	2160	...	313
314	Tobacco	1	1	1	1	...	723	818	784	715	...	314
321	Textiles	6	6	6	6	...	6756	6986	6643	6423	...	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	3	3	3	3	...	321	291	626	603	...	322
323	Leather and products	1	1	1	1	...	133	159	140	113	...	323
324	Footwear	3	3	4	4	...	282	280	284	197	...	324
331	Wood products	1	1	1	1	...	424	428	392	321	...	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	6	7	7	9	...	482	686	542	638	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals	1	2	2	2	...	28	41	45	41	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products	4	3	3	4	...	55	52	42	61	...	352
3522	Drugs and medicines	...	2	2	2	...	...	40	44	41	...	3522
353	Petroleum refineries	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	1	1	1	1	...	117	88	117	53	...	355
356	Plastic products n.e.c.	-	2	4	4	...	-	123	144	160	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	3	4	4	8	...	1299	1448	1454	1537	...	369
371	Iron and steel	2	2	2	2	...	140	120	105	87	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	7	8	9	7	...	1272	1229	1748	1008	...	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing	70	89	108	104	...	15607	17313	19286	18016	...	3
410	Electricity,gas,steam	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Mining and manufacturing: establishments with 10 or more employees.

UGANDA

3. WAGES AND SALARIES OF EMPLOYEES a/b/ (MILLION SHILLINGS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	2
311/2	Food products	2.74	76.94	236.16	557.19	...	311/2
313	Beverages	5.26	32.36	22.66	358.75	...	313
314	Tobacco	4.77	46.71	222.13	327.28	...	314
321	Textiles	25.58	160.07	446.67	873.55	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	3211
322	Wearing apparel	1.47	5.40	47.75	91.17	...	322
323	Leather and products ...	0.39	2.12	7.71	12.79	...	323
324	Footwear	9.59	19.19	60.34	100.16	...	324
331	Wood products	1.62	3.38	13.00	21.12	...	331
332	Furniture, fixtures	...	...	...	...	...	332
341	Paper and products	1.87	11.05	29.82	82.76	...	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	342
351	Industrial chemicals ...	0.18	1.33	5.70	17.62	...	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	0.19	0.57	4.52	10.43	...	352
3522	Drugs and medicines ..	...	1.54	2.06	3.30	...	3522
353	Petroleum refineries ...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	354
355	Rubber products	0.36	1.13	4.34	13.35	...	355
356	Plastic products n.e.c..	-	1.25	5.09	10.67	...	356
361	Pottery,china etc	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	362
369	Non-metal products n.e.c	3.58	18.53	71.08	115.28	...	369
371	Iron and steel	0.33	1.22	2.90	7.04	...	371
372	Non-ferrous metals	...	...	...	...	...	372
381	Metal products	0.45	23.82	105.08	132.96	...	381
382	Machinery n.e.c.	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	390
3	Manufacturing	64.70	415.43	535.38	850.52	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	2-4

a/ Including directors' remuneration.
b/ Mining and manufacturing: establishments with 10 or more employees.

UNION OF SOVIET SOCIALIST REPUBLICS 1/

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the State Committee of the former USSR on Statistics, Moscow. The concepts, definitions and classification by branches of industry are generally in accordance with the United Nations standards.

The estimates are based on regular monthly and annual reports of enterprises. The statistical unit is the industrial enterprise or the industrial unit of the non-industrial enterprise; industrial units of collective farms and small subsidiary industrial enterprises, however, are not covered.

The estimates, which are based on the national classification, are shown in the most appropriate category of ISIC. The following industries are excluded: (a) prospecting and drilling for minerals, crude petroleum and natural gas, and preparing sites for extraction, (b) publishing, (c) gas distribution, (d) secondary processing of ferrous metals and (e) water supply. It should be noted that the manufacture of fur products (ISIC 322) is included in ISIC 323.

Employment numbers are annual averages of monthly figures and relate to persons engaged in the industrial activities of enterprises classified under mining, manufacturing, electricity and gas. They comprise production workers, apprentices, engineers and technicians, office staff, minor service personnel and guards.

Output relates to the value of the output of industry at enterprise prices of each year, excluding tax; the value of resale of commodities without further processing is not included.

The estimates of wages and salaries relate to the annual wage fund of all industrial-production personnel, including all kinds of bonuses. Payments in kind and social benefits are excluded.

The indices of industrial production are compiled by the State Committee of the former USSR on Statistics and provided in response to the United Nations Questionnaire on Indices of Industrial Production.

Related national publication:

Narodnoe Khozyaistvo SSSR (National Economy of the USSR) (annual), published by the State Committee of the former USSR on Statistics, Moscow.

1/ The USSR ceased to exist as of 24 December 1991. All data in the tables for the USSR pertain to 1990 or earlier (See also country nomenclature on page 7).

UNION OF SOVIET SOCIALIST REPUBLICS

ISIC	INDUSTRY	1. NUMBER OF ENTERPRISES a/ (NUMBER)					2. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	716	713	711	708	...	1279	1270	1257	1225	...	210
220	Petroleum and gas	164	163	135	143	...	212	200	213	214	...	220
230	Metal ore mining	169	170	171	179	...	238 b/c/	231 b/c/	223 b/c/	222 b/c/	...	230
290	Other mining	907	911	1015	958	...	713	703	679	662	...	290
2	Mining, quarrying .	1956	1957	2032	1988	...	2442	2404	2372	2323	...	2
311/2	Food products	8678	8991	9153	9258	...	2780	2801	2783	2765	...	311/2
313	Beverages	1537	1443	1314	1309	...	333	310	301	294	...	313
314	Tobacco	88	90	87	87	...	40	39	36	35	...	314
321	Textiles	2135	2098	2152	2140	...	1637	1610	1526	1476	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	4959	4933	5131	5233	...	2122	2137	2060	2065	...	322
323	Leather and products ...	265	276	274	274	...	183	182	173	169	...	323
324	Footwear	425	429	434	426	...	479	467	455	441	...	324
331	Wood products	1380	1432	1419	1367	...	745	748	743	718	...	331
332	Furniture, fixtures	663	698	964	962	...	599	595	586	564	...	332
341	Paper and products	235	235	232	243	...	295	289	272	258	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	2853	2808	2475	2337	...	264	262	255	248	...	342
351	Industrial chemicals ...	392	408	411	415	...	1322	1316	1294	1266	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	483	473	461	457	...	320	321	314	313	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	63	63	63	61	...	177	169	163	158	...	353
354	Petroleum,coal products.	170	167	150	146	...	168	156	151	154	...	354
355	Rubber products	189	189	169	167	...	318	309	302	293	...	355
356	Plastic products n.e.c..	189	189	190	189	...	135	137	131	127	...	356
361	Pottery,china etc	86	86	86	88	...	234	228	221	211	...	361
362	Glass and products	248	244	241	234	...	137	134	130	126	...	362
369	Non-metal products n.e.c	3277	3574	3437	3354	...	2126	2138	2110	2000	...	369
371	Iron and steel	160	162	161	160	...	1055 c/	1041 c/	1019 c/	992 c/	...	371
372	Non-ferrous metals	...	...	...	...	...	478	474	465	451	...	372
381	Metal products	[5546	5462	5599	5565]	...	[7983	8047	7874	7664]	...	381
382	Machinery n.e.c.					...					...	382
3825	Office,computing etc..	98	98	101	105	...	324	301	291	286	...	3825
383	Electrical machinery ...	1575	1587	1591	1593	...	4133	4152	4093	3991	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	892	897	896	891	...	3315	3175	3118	3016	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	246	250	256	256	...	995	993	978	951	...	3843
385	Professional goods	409	411	398	393	...	718	718	712	647	...	385
390	Other industries ..... d/	1194	1365	955	923	...	897	1008	1007	1003	...	390
3	Manufacturing	38091	38710	38443	38272	...	32993	32963	32294	31445	...	3
410	Electricity,gas,steam ..	1424	1424	1362	1246	...	746	761	771	780	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	57	57	45	45	...	125	113	98	93	...	420
4	Electricity,gas etc	1481	1481	1407	1291	...	871	874	869	873	...	4
2-4	All industry	41528	42148	41882	41551	...	36306	36241	35535	34641	...	2-4

Note: Estimates are based on the national classification of industry.

a/ Excluding industrial units of collective farms and small subsidiary industrial enterprises.
b/ Non-ferrous ore mining is included in major group 290. c/ Part of major group 230 is included in 371 and part in 290.
d/ All other industries are included in major group 390.

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES a/b/ (ROUBLES)					4. QUANTITY OF ELECTRICITY CONSUMED (BILLION KWH)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	346	353	368	400	...	28.6	29.5	30.2	30.5	...	210
220	Petroleum and gas	300	342	395	419	...	38.7	42.5	47.4	48.7	...	220
230	Metal ore mining	262 c/	276 c/	310 c/	336 c/	...	45.2	46.4	47.3	48.3	...	230
290	Other mining ..... c/	269	279	292	335	...	...	...	...	...	...	290
2	Mining, quarrying ...	311	323	343	377	...	112.5	118.4	124.9	127.5	...	2
311/2	Food products	190	201	212	232	...	28.1	29.5	30.7	30.6	...	311/2
313	Beverages	159	168	186	209	...	2.5	2.6	2.6	2.7	...	313
314	Tobacco	184	189	201	217	...	0.2	0.2	0.2	0.2	...	314
321	Textiles	186	189	210	230	...	21.9	22.6	23.4	23.5	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	153	158	177	193	...	2.6	2.6	2.8	2.8	...	322
323	Leather and products ...	188	192	214	235	...	0.8	0.8	0.8	0.9	...	323
324	Footwear	188	190	213	233	...	...	...	...	...	...	324
331	Wood products	213	217	233	254	...	5.2	5.6	5.6	5.9	...	331
332	Furniture, fixtures	210	214	233	253	...	3.2	3.3	3.4	3.4	...	332
341	Paper and products	227	233	257	274	...	21.2	21.7	22.2	22.2	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	180	186	205	228	...	0.9	0.9	0.9	0.9	...	342
351	Industrial chemicals ...	208	214	235	257	...	106.9	109.8	112.0	108.7	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	195	202	222	247	...	4.9	5.9	6.1	6.4	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	207	211	244	266	...	24.6	24.3	24.2	23.9	...	353
354	Petroleum,coal products.	225	237	266	293	...	...	...	...	...	...	354
355	Rubber products	211	216	237	261	...	6.0	5.9	6.0	6.0	...	355
356	Plastic products n.e.c..	196	202	225	249	...	1.6	1.7	1.8	1.8	...	356
361	Pottery,china etc	187	194	216	235	...	0.6	0.6	0.7	0.7	...	361
362	Glass and products	201	204	220	245	...	4.4	4.5	4.6	4.7	...	362
369	Non-metal products n.e.c	210	218	237	260	...	102.8	105.9	108.2	108.1	...	369
371	Iron and steel	244	247	269	302	...	102.6	104.3	106.6	106.7	...	371
372	Non-ferrous metals	281	289	313	342	...	14.7	15.2	15.5	15.4	...	372
381	Metal products ..... d/	[219	225	242	265	...	[111.9	117.2	120.1	119.2	...	381
382	Machinery n.e.c.					...					...	382
3825	Office,computing etc..	209	213	236	264	...	...	...	...	...	...	3825
383	Electrical machinery ... d/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... d/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	220	228	246	264	...	...	...	...	...	...	3843
385	Professional goods ..... d/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	195	201	221	246	...	...	...	...	...	...	390
3	Manufacturing	208	214	232	254	...	...	...	...	...	...	3
410	Electricity,gas,steam ..	225	234	259	292	...	112.7	118.0	119.7	121.0	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	165	173	187	209	...	...	...	...	...	...	420
4	Electricity,gas etc	217	226	251	283	...	...	...	...	...	...	4
2-4	All industry	215	221	240	263	...	922.3	957.1	980.7	978.6	...	2-4

a/ Excluding industrial units of collective farms and small subsidiary industrial enterprises.
b/ Monthly average per employee.
c/ Non-ferrous ore mining is included in major group 290.
d/ Major groups 383 to 385 are included in 381 and 382 combined.

UNION OF SOVIET SOCIALIST REPUBLICS

5. OUTPUT

(BILLION ROUBLES)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	15.6	15.9	15.9	15.2	...	210
220	Petroleum and gas	20.9	21.8	22.5	22.3	...	220
230	Metal ore mining	11.0	11.2	11.9	12.3	...	230
290	Other mining	6.5	6.6	7.0	7.1	...	290
2	Mining, quarrying	54.0	55.6	57.3	57.0	...	2
311/2	Food products	126.3	128.2	137.8	144.9	...	311/2
313	Beverages	11.2	11.1	12.3	13.1	...	313
314	Tobacco	5.0	4.7	4.3	4.2	...	314
321	Textiles	76.6	77.8	80.3	82.3	...	321
3211	Spinning,weaving etc..	...	...	...	...	...	3211
322	Wearing apparel	32.3	33.3	30.2	31.5	...	322
323	Leather and products ...	3.6	4.2	4.3	6.6	...	323
324	Footwear	6.2	6.3	6.8	7.1	...	324
331	Wood products	10.5	10.5	11.2	11.8	...	331
332	Furniture, fixtures	8.6	9.0	10.0	10.3	...	332
341	Paper and products	7.6	7.8	8.1	8.2	...	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	1.8	1.9	2.0	2.2	...	342
351	Industrial chemicals ...	35.9	39.0	40.7	40.5	...	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	10.9	11.7	12.3	13.2	...	352
3522	Drugs and medicines ..	...	...	...	...	...	3522
353	Petroleum refineries ...	21.7	21.9	22.0	22.0	...	353
354	Petroleum,coal products.	7.9	7.8	8.0	8.1	...	354
355	Rubber products	8.9	9.0	9.2	9.4	...	355
356	Plastic products n.e.c..	2.4	2.5	2.6	2.7	...	356
361	Pottery,china etc	0.6	0.7	0.7	0.7	...	361
362	Glass and products	3.2	3.2	3.5	3.5	...	362
369	Non-metal products n.e.c	28.3	29.3	30.4	30.7	...	369
371	Iron and steel	38.0	38.7	40.0	40.2	...	371
372	Non-ferrous metals	25.0	25.5	26.2	26.8	...	372
381	Metal products	[115.6	125.3	124.0	125.4]	...	381
382	Machinery n.e.c.					...	382
3825	Office,computing etc..	5.4	5.2	6.0	6.9	...	3825
383	Electrical machinery ...	55.0	58.6	63.4	68.5	...	383
3832	Radio,television etc..	...	...	...	...	...	3832
384	Transport equipment	51.4	53.5	55.4	55.1	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	3841
3843	Motor vehicles	19.9	20.9	21.4	21.5	...	3843
385	Professional goods	7.7	8.2	8.7	9.4	...	385
390	Other industries ..... a/	27.5	31.9	31.2	41.4	...	390
3	Manufacturing	729.7	761.6	785.6	819.8	...	3
410	Electricity,gas,steam ..	29.5	30.8	30.8	32.4	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply .	1.3	1.1	1.1	1.1	...	420
4	Electricity,gas etc	30.8	31.9	31.9	33.4	...	4
2-4	All industry	814.5	849.1	874.8	910.2	...	2-4

a/ All other industries are included in major group 390.

6. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	101	102	102	104	108	109	112	107	102	0.2	210
220	Petroleum and gas ..... b/	105	107	108	108	112	116	118	116	112	1.4	220
230	Metal ore mining	99	100	101	103	106	109	112	114	111	1.3	230
290	Other mining	105	109	112	115	122	125	133	135	134	3.7	290
2	Mining, quarrying . b/	102	104	105	107	111	113	116	115	111	1.3	2
311/2	Food products	106	111	115	115	117	121	125	129	130	3.3	311/2
313	Beverages	107	109	111	90	67	71	79	86	85	-2.0	313
314	Tobacco	110	123	135	141	140	133	122	118	118	2.1	314
321	Textiles	102	104	103	106	108	110	114	117	115	1.8	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	104	105	109	111	111	112	116	120	124	2.7	322
323	Leather and products ...	100	94	95	96	98	98	98	96	96	-0.5	323
324	Footwear	105	108	113	118	118	123	133	138	141	4.4	324
331	Wood products	106	111	114	117	124	126	132	133	130	3.3	331
332	Furniture, fixtures	110	116	122	129	136	141	149	157	164	6.4	332
341	Paper and products	107	114	118	123	129	134	140	143	146	4.8	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ...	107	112	116	122	126	131	136	137	134	3.7	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	105	108	110	111	116	119	125	127	127	3.0	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... c/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. c/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	106	109	112	117	120	124	128	130	127	3.0	355
356	Plastic products n.e.c..	119	126	136	147	159	171	182	192	192	8.5	356
361	Pottery,china etc	112	117	120	122	123	128	136	142	149	5.1	361
362	Glass and products	110	114	119	126	133	139	149	156	159	6.0	362
369	Non-metal products n.e.c	104	108	111	114	120	124	129	131	129	3.2	369
371	Iron and steel	103	107	110	113	118	121	125	125	122	2.5	371
372	Non-ferrous metals											372
381	Metal products ..... d/	111	118	126	135	144	152	160	164	165	6.5	381
382	Machinery n.e.c.											382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... d/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... d/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods ..... d/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing ..... e/f/	107	112	116	120	126	131	136	139	138	4.1	3
410	Electricity,gas,steam ..	106	109	116	120	123	129	132	133	135	3.8	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc ...	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry e/g/	106	111	115	119	125	129	134	136	135	3.8	2-4

a/ Annual growth rate 1982-1990.
b/ Excluding prospecting and drilling of oil and natural gas wells.
c/ Major groups 353 and 354 are included in 352.
d/ Major groups 383 to 385 are included in 381 and 382 combined.
e/ Including commercial fishing and the processing and cold storage of fish and fish products by factory-type vessels.
f/ Excluding publishing.
g/ Including logging, motion picture production, cleaning and dyeing; excluding publishing and gas distribution.

UNITED KINGDOM

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Central Statistical Office, London. The concepts, definitions and classification by branches of industry are generally in accordance with United Nations standards. The estimates cover the United Kingdom of Great Britain and Northern Ireland; the Channel Islands and the Isle of Man are excluded.

The estimates are generally derived from the results of the annual census of production conducted by the Business Statistics Office of the Central Statistical Office for Great Britain and by the Department of Economic Development, Belfast, for Northern Ireland. The censuses cover businesses engaged in mining, manufacturing and electricity, gas and water supply. The annual censuses are conducted within the framework of a sampling scheme introduced in 1978. Beginning with the 1980 census, forms were despatched to all establishments employing 100 persons or more and, in general, to samples of 1 in 2 of those employing 50-99 and 1 in 4 of those employing 20-49. The results presented cover all establishments as they include estimates for non-respondents, unsatisfactory returns and establishments not selected for the census.

The statistical unit is the business, defined as the smallest unit which can provide the information normally required for an economic census. Typically the business embraces all the activities carried on at a single address, including those which are ancillary to the principal activity. Businesses are asked to include in their returns all particulars relating to any department not engaged in production, for example, merchanting, transport, warehousing, for which separate accounts are kept. Particulars relating to head offices mainly engaged in the administration of production units are included; where head office activity covers more than one return, details are included in the principle return.

The estimates are based on the national classification scheme (1980 version) but, except in the case of electricity consumed, data have been converted to the present version of ISIC. Normally businesses are classified to industries on the basis of major activity, measured by sales of the principal products.

The estimates of persons engaged include persons regarded as self-employed for national insurance purposes and members of their families who work in the business for at least half the normal number of working hours without receiving a fixed wage or salary. The number of employees is the average number of persons on the pay-roll during the year, whether employed full-time or part-time, comprising (a) administrative, technical and clerical employees and (b) all other employees (operatives), broadly defined as manual wage earners. The figures include persons engaged in non-production activities such as merchanting or factoring and canteen workers. Homeworkers are excluded.

The amounts shown for wages and salaries represent payments made to employees during the year, including overtime payments, bonuses, and commissions, whether paid regularly or not. No deduction is made for income tax, insurance, contributory pensions etc. The values of any payments in kind, travelling expenses, lodging allowances etc. are excluded. The estimates of supplements to wages and salaries include employers' contributions to national insurance as well as commercial insurance premiums to provide pensions, superannuation or other retirement benefits, sickness benefits, personal accident benefits, disability or death benefits for employees or former employees or their dependents. Contributions to the running costs of canteens, social centres, children's and holiday homes etc. for employees, former employees and their dependents are also included.

Data on electricity consumed are compiled by the Department of Energy. The estimates are presented by broad groupings of the national classification.

The estimates of output represent the value of production, including work done. It is calculated as the value of sales and work done adjusted for changes in the value of work in progress and stocks of finished goods during the year. Included are goods made by the business covered by the returns, goods made for it by other establishments or homeworkers from materials given out, capital items produced for use in the establishment (or for hiring out or leasing), goods sold without being subjected to any manufacturing process, waste products and the value of other industrial and non-industrial services rendered (receipts for repairs and maintenance, installation work,

technical research and studies, provision of transport and revenue from renting out buildings, plant, machinery etc., staff facilities such as canteens, the right to use patents, trade marks etc.). The valuation used is at net selling value (excluding value-added tax), whether on an ex-works or delivered basis. However,the estimates presented have been adjusted to exclude customs and excise duties etc. and to include any subsidies received by the industry.

Value added is the difference between output as defined above and corresponding purchases, adjusted for changes in value of stocks of fuel and raw materials, and payments for work given out to other businesses and for repair and maintenance work. The input values exclude value-added tax. The value-added estimates are gross of payments for non-industrial services, licensing of motor vehicles and rates.

Gross fixed capital formation represents the cost incurred during the year, in the values charged to capital accounts, for new and used fixed assets less disposals. The proceeds of items disposed of exclude amounts written off for items scrapped. The value of work produced by businesses for their own use is included. Capital expenditure in respect of businesses where production had not started before the end of the year is also included, as is the value of progress payments for fixed assets on order but not completed at the end of the year. Deductible value-added tax is excluded but non-deductible value-added tax on motor cars acquired is included.

The indices of industrial production are compiled by the Central Statistical Office and provided in response to the United Nations Questionnaire on Indices of Industrial Production. The coverage, in principle, includes all establishments.

Related national publications:

Report on the Census of Production (Business Monitor series); Annual Abstract of Statistics, both published by the Central Statistical Office, London.

UNITED KINGDOM

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	a/ 119	a/ 103	a/ 86	a/ 73	...	156	129	108	87	...	210
220	Petroleum and gas	217	233	234	220	...	23	28	29	31	...	220
230	Metal ore mining	15	6	8	8	...	1	1	-	-	...	230
290	Other mining	731	540	485	472	...	10	9	9	9	...	290
2	Mining, quarrying .	1082	882	813	773	...	192	168	146	127	...	2
311/2	Food products	9617	9455	9255	9246	...	487	505	503	510	...	311/2
313	Beverages	679	606	570	544	...	74	70	72	74	...	313
314	Tobacco	35	27	27	29	...	21	19	17	14	...	314
321	Textiles	6370	6365	6461	6635	...	259	259	257	248	...	321
3211	Spinning,weaving etc..	2065	2007	1985	2001	...	115	113	111	107	...	3211
322	Wearing apparel	9647	9233	9098	8927	...	235	231	234	219	...	322
323	Leather and products ...	1614	1604	1529	1490	...	24	23	21	20	...	323
324	Footwear	815	831	827	801	...	52	57	54	50	...	324
331	Wood products	6992	6743	6648	7126	...	82	84	88	86	...	331
332	Furniture, fixtures	6959	7081	7479	8158	...	105	109	119	123	...	332
341	Paper and products	3184	3223	3247	3319	...	150	153	155	156	...	341
3411	Pulp,paper etc.	410	429	401	409	...	32	33	33	33	...	3411
342	Printing,publishing	19128	19409	19916	20405	...	288	294	301	313	...	342
351	Industrial chemicals ...	1752	1706	1698	1692	...	146	148	145	148	...	351
3511	Basic excl fertilizers	905	854	865	847	...	101	102	102	104	...	3511
3513	Synthetic resins etc .	634	637	636	660	...	30	30	30	31	...	3513
352	Other chemical products.	1978	1915	1933	1928	...	162	167	168	173	...	352
3522	Drugs and medicines ..	425	402	398	395	...	68	71	72	76	...	3522
353	Petroleum refineries ...	41	34	30	22	...	10	9	9	9	...	353
354	Petroleum,coal products.	150	144	125	131	...	9	8	9	9	...	354
355	Rubber products	617	601	577	598	...	64	64	64	64	...	355
356	Plastic products n.e.c..	4474	4553	4636	4710	...	140	151	161	172	...	356
361	Pottery,china etc	677	703	741	815	...	45	44	46	46	...	361
362	Glass and products	823	851	792	805	...	39	42	44	45	...	362
369	Non-metal products n.e.c	3231	2897	2888	2932	...	115	116	124	129	...	369
371	Iron and steel	2901	2683	2612	2669	...	166	155	155	156	...	371
372	Non-ferrous metals	1128	1112	1082	1103	...	60	59	60	61	...	372
381	Metal products	14631	14564	14729	15173	...	338	325	328	335	...	381
382	Machinery n.e.c.	22504	22720	23098	23886	...	572	551	564	569	...	382
3825	Office,computing etc..	1061	1199	1321	1296	...	44	45	55	56	...	3825
383	Electrical machinery ...	9790	10087	10440	10666	...	546	545	544	534	...	383
3832	Radio,television etc..	3683	3703	3743	3859	...	262	256	253	248	...	3832
384	Transport equipment	4374	4360	4484	4477	...	545	540	534	529	...	384
3841	Shipbuilding, repair..	1539	1563	1666	1614	...	77	77	73	68	...	3841
3843	Motor vehicles	2102	2081	2102	2116	...	261	258	265	267	...	3843
385	Professional goods	2615	2657	2643	2761	...	82	83	87	88	...	385
390	Other industries	8241	8776	9518	9837	...	73	76	81	84	...	390
3	Manufacturing	144967	144940	147083	150885	...	4888	4886	4945	4962	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	232	228	223	224	...	410
4101	Electricity	166	157	176	...	...	147	146	145	145	...	4101
420	Water works and supply .	80	80	86	114	...	44	43	43	37	...	420
4	Electricity,gas etc	...	...	...	...	...	276	271	266	261	...	4
2-4	All industry	...	...	...	...	...	5357	5324	5358	5320	...	2-4

a/ Colliery units or mines in active production.

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	156	129	108	87	...	1789	1845	1605	1692	...	210
220	Petroleum and gas	23	28	29	31	...	511	485	534	578	...	220
230	Metal ore mining	1	1	-	-	...	12	11	4	2	...	230
290	Other mining	10	9	9	9	...	98	102	111	116	...	290
2	Mining, quarrying	190	168	146	127	...	2410	2443	2254	2388	...	2
311/2	Food products	487	499	498	504	...	3719	4069	4340	4731	...	311/2
313	Beverages	74	70	72	74	...	737	745	811	921	...	313
314	Tobacco	21	19	17	14	...	279	268	255	230	...	314
321	Textiles	259	257	254	245	...	1676	1814	1916	2018	...	321
3211	Spinning,weaving etc.	115	113	111	106	...	788	853	893	936	...	3211
322	Wearing apparel	235	226	229	214	...	1147	1193	1306	1322	...	322
323	Leather and products	24	22	20	19	...	143	153	149	152	...	323
324	Footwear	52	56	54	49	...	336	368	379	366	...	324
331	Wood products	82	80	84	81	...	618	683	769	812	...	331
332	Furniture, fixtures	105	105	115	118	...	860	929	1117	1227	...	332
341	Paper and products	150	152	154	155	...	1437	1581	1725	1842	...	341
3411	Pulp,paper etc.	32	33	33	33	...	324	370	390	418	...	3411
342	Printing,publishing	288	285	293	305	...	3216	3470	3792	4301	...	342
351	Industrial chemicals	146	147	145	148	...	1755	1912	2005	2200	...	351
3511	Basic excl fertilizers	101	102	102	104	...	1220	1343	1419	1579	...	3511
3513	Synthetic resins etc	30	30	30	31	...	346	369	394	432	...	3513
352	Other chemical products.	162	167	168	173	...	1644	1833	2037	2308	...	352
3522	Drugs and medicines	68	71	72	76	...	733	833	940	1105	...	3522
353	Petroleum refineries	10	9	9	9	...	142	163	165	178	...	353
354	Petroleum,coal products.	9	8	9	9	...	96	95	122	123	...	354
355	Rubber products	64	64	64	64	...	582	631	676	733	...	355
356	Plastic products n.e.c.	140	150	160	171	...	1195	1380	1574	1845	...	356
361	Pottery,china etc	45	44	46	46	...	313	341	380	411	...	361
362	Glass and products	39	42	43	44	...	365	425	485	528	...	362
369	Non-metal products n.e.c	116	115	123	128	...	1102	1197	1386	1587	...	369
371	Iron and steel	166	155	154	155	...	1621	1667	1812	1951	...	371
372	Non-ferrous metals	60	58	59	61	...	583	604	681	734	...	372
381	Metal products	338	319	322	329	...	2952	2983	3278	3640	...	381
382	Machinery n.e.c.	572	542	555	559	...	5510	5639	6326	7008	...	382
3825	Office,computing etc.	44	44	55	55	...	505	547	752	836	...	3825
383	Electrical machinery	546	542	541	530	...	4884	5249	5620	6042	...	383
3832	Radio,television etc.	262	255	252	246	...	2461	2599	2751	2947	...	3832
384	Transport equipment	545	539	532	527	...	5559	5988	6372	6934	...	384
3841	Shipbuilding, repair.	78	76	72	67	...	756	850	801	843	...	3841
3843	Motor vehicles	261	257	265	266	...	2688	2804	3180	3519	...	3843
385	Professional goods	82	83	86	87	...	726	779	875	968	...	385
390	Other industries	68	72	76	78	...	468	531	600	687	...	390
3	Manufacturing	4885	4825	4881	4894	...	43667	46690	50956	55797	...	3
410	Electricity,gas,steam	232	228	223	224	...	2735	2830	2943	3415	...	410
4101	Electricity	147	146	145	145	...	1770	1844	1944	2317	...	4101
420	Water works and supply	44	43	43	37	...	453	459	476	452	...	420
4	Electricity,gas etc	276	271	266	261	...	3188	3289	3419	3867	...	4
2-4	All industry	5357	5263	5293	5251	...	49265	52422	56629	61475	...	2-4

a/ Excluding payments in kind.

UNITED KINGDOM

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES (MILLION POUNDS)					6. AVERAGE NUMBER OF OPERATIVES a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	876	494	444	293	...	138	114	95	76	...	210
220	Petroleum and gas	98	93	103	111	...	...	...	...	...	...	220
230	Metal ore mining	2	1	-	-	...	1	1	-	-	...	230
290	Other mining	14	13	16	17	...	8	7	7	7	...	290
2	Mining, quarrying .	990	602	563	421	...	...	...	...	...	...	2
311/2	Food products	503	523	551	593	...	386	399	398	404	...	311/2
313	Beverages	118	112	122	139	...	50	46	47	48	...	313
314	Tobacco	45	37	38	35	...	13	12	11	9	...	314
321	Textiles	196	209	226	244	...	206	205	203	194	...	321
3211	Spinning,weaving etc..	95	102	110	117	...	93	91	89	85	...	3211
322	Wearing apparel	123	124	138	137	...	195	189	192	180	...	322
323	Leather and products ...	18	18	18	20	...	18	18	17	15	...	323
324	Footwear	41	44	46	45	...	43	48	45	41	...	324
331	Wood products	82	83	96	102	...	56	57	60	60	...	331
332	Furniture, fixtures	109	116	137	149	...	77	80	87	89	...	332
341	Paper and products	202	215	232	252	...	108	110	110	111	...	341
3411	Pulp,paper etc.	47	51	57	60	...	23	24	24	24	...	3411
342	Printing,publishing	457	479	522	613	...	150	146	148	147	...	342
351	Industrial chemicals ...	361	387	389	407	...	85	83	81	82	...	351
3511	Basic excl fertilizers	255	280	291	303	...	57	55	55	55	...	3511
3513	Synthetic resins etc .	64	67	65	69	...	19	19	19	20	...	3513
352	Other chemical products.	287	303	311	374	...	85	85	86	87	...	352
3522	Drugs and medicines ..	141	152	156	187	...	32	33	33	35	...	3522
353	Petroleum refineries ...	33	32	31	32	...	6	6	6	6	...	353
354	Petroleum,coal products.	12	13	13	14	...	6	5	5	4	...	354
355	Rubber products	82	97	102	108	...	44	44	44	45	...	355
356	Plastic products n.e.c..	158	178	206	236	...	102	109	118	126	...	356
361	Pottery,china etc	43	44	54	59	...	36	36	37	37	...	361
362	Glass and products	51	52	61	64	...	29	31	31	32	...	362
369	Non-metal products n.e.c	159	169	188	214	...	83	82	87	89	...	369
371	Iron and steel	263	271	293	300	...	122	115	115	116	...	371
372	Non-ferrous metals	79	73	85	95	...	43	43	43	45	...	372
381	Metal products	393	383	413	467	...	233	225	229	235	...	381
382	Machinery n.e.c.	758	740	851	936	...	337	323	330	336	...	382
3825	Office,computing etc..	73	85	128	140	...	16	16	19	21	...	3825
383	Electrical machinery ...	662	697	738	774	...	323	318	317	310	...	383
3832	Radio,television etc..	332	349	362	375	...	143	139	134	132	...	3832
384	Transport equipment	816	795	833	894	...	357	355	354	356	...	384
3841	Shipbuilding, repair..	126	108	109	126	...	56	54	50	46	...	3841
3843	Motor vehicles	391	375	403	428	...	190	189	198	200	...	3843
385	Professional goods	104	111	119	132	...	49	48	51	51	...	385
390	Other industries	68	75	82	84	...	49	52	55	57	...	390
3	Manufacturing	6227	6380	6894	7517	...	3296	3267	3311	3312	...	3
410	Electricity,gas,steam ..	598	599	662	698	...	115	113	111	105	...	410
4101	Electricity	369	433	510	532	...	81	81	81	76	...	4101
420	Water works and supply .	80	78	84	88	...	21	21	20	17	...	420
4	Electricity,gas etc	678	677	746	786	...	136	134	131	122	...	4
2-4	All industry	7895	7659	8203	8613	...	...	...	...	...	...	2-4

a/ Employees working in ancillary departments not engaged in production (eg. transport organizations, warehouses etc.) are in general excluded.

ISIC	INDUSTRY	7. WAGES AND SALARIES OF OPERATIVES a/ (MILLION POUNDS)					8. QUANTITY OF ELECTRICITY CONSUMED b/ (BILLION KWH)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	1500	1558	1349	1413	...	5.5	5.0	4.8	4.5	4.5	210
220	Petroleum and gas	...	...	...	...	...						220
230	Metal ore mining	9	8	1	2	...	2.0	2.1	2.3	2.1	2.3	230
290	Other mining	77	78	81	84	...						290
2	Mining, quarrying .	...	...	...	...	...	7.5	7.1	7.1	6.6	6.8	2
311/2	Food products	2709	2954	3103	3374	...						311/2
313	Beverages	455	445	477	533	...	8.9	9.1	9.5	9.8	11.0	313
314	Tobacco	163	154	141	130	...						314
321	Textiles	1219	1311	1369	1418	...	c/ 3.3	c/ 3.5	c/ 3.6	c/ 3.4	c/ 3.0	321
3211	Spinning,weaving etc..	584	632	650	670	...	...	...	...	...	...	3211
322	Wearing apparel	847	876	953	949	...	c/	c/	c/	c/	c/	322
323	Leather and products ...	106	112	106	106	...	c/	c/	c/	c/	c/	323
324	Footwear	254	278	283	264	...	c/	c/	c/	c/	c/	324
331	Wood products	417	450	496	534	...						331
332	Furniture, fixtures	612	655	780	849	...	d/ 7.2	d/ 7.7	d/ 8.3	d/ 8.5	d/ 9.8	332
341	Paper and products	970	1063	1142	1218	...						341
3411	Pulp,paper etc.	226	257	265	284	...	...	...	...	...	...	3411
342	Printing,publishing	1754	1742	1841	1962	...	d/	d/	d/	d/	d/	342
351	Industrial chemicals ...	932	956	1009	1075	...	e/ 17.2	e/ 18.3	e/ 18.8	e/ 18.7	e/ 17.7	351
3511	Basic excl fertilizers	633	644	693	740	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	203	218	225	247	...	...	...	...	...	...	3513
352	Other chemical products.	701	760	826	919	...	e/	e/	e/	e/	e/	352
3522	Drugs and medicines ..	268	296	330	391	...	...	...	...	...	...	3522
353	Petroleum refineries ...	86	99	102	111	...	3.3	3.4	3.4	3.7	3.9	353
354	Petroleum,coal products.	62	59	62	56	...	-	-	-	-	-	354
355	Rubber products	367	398	420	457	...	f/	f/	f/	f/	f/	355
356	Plastic products n.e.c..	792	908	1043	1202	...	e/	e/	e/	e/	e/	356
361	Pottery,china etc	241	258	284	311	...						361
362	Glass and products	256	290	327	353	...	4.9	5.3	5.6	5.7	5.5	362
369	Non-metal products n.e.c	774	823	952	1065	...						369
371	Iron and steel	1147	1193	1292	1385	...	8.6	9.2	9.8	10.0	8.8	371
372	Non-ferrous metals	401	421	473	507	...	6.1	6.5	6.5	6.4	6.8	372
381	Metal products	1908	1918	2123	2364	...	g/	g/	g/	g/	g/	381
382	Machinery n.e.c.	2932	2976	3317	3722	...	18.7	19.0	19.8	20.3	20.9	382
3825	Office,computing etc..	134	141	184	239	...	...	...	...	...	...	3825
383	Electrical machinery ...	2443	2575	2735	2875	...	g/	g/	g/	g/	g/	383
3832	Radio,television etc..	1098	1158	1185	1250	...	...	...	...	...	...	3832
384	Transport equipment	3297	3533	3789	4141	...	g/	g/	g/	g/	g/	384
3841	Shipbuilding, repair..	506	567	520	538	...	...	...	...	...	...	3841
3843	Motor vehicles	1773	1848	2133	2388	...	...	...	...	...	...	3843
385	Professional goods	372	385	440	464	...	f/	f/	f/	f/	f/	385
390	Other industries	280	316	354	406	...	8.2	8.4	9.2	9.7	9.9	390
3	Manufacturing	26496	27905	30242	32752	...	86.5	90.4	94.4	96.2	97.2	3
410	Electricity,gas,steam ..	1253	1274	1347	1501	...	22.3	21.9	22.5	22.2	21.8	410
4101	Electricity	879	903	979	1103	...	21.9	21.5	22.3	21.9	21.3	4101
420	Water works and supply .	202	200	201	189	...	4.2	4.4	4.4	4.6	4.7	420
4	Electricity,gas etc	1455	1474	1547	1690	...	26.5	26.3	26.9	26.8	26.5	4
2-4	All industry	...	...	...	...	...	120.5	123.8	128.4	129.6	130.5	2-4

a/ Excluding payments in kind.
b/ The estimates are compiled by the Department of Energy and are based on the national classification.
c/ Major groups 322 to 324 are included in 321.
d/ Major group 342 is included in 331 to 341 combined.
e/ Major groups 352 and 356 are included in 351.
f/ Major group 355 is included in 385 and 390 combined.
g/ Major groups 383 and 384 are included in 381 and 382 combined.

UNITED KINGDOM

ISIC	INDUSTRY	9. OUTPUT IN FACTOR VALUES (BILLION POUNDS)					10. VALUE ADDED IN FACTOR VALUES (BILLION POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	3.68	3.56	3.62	3.44	...	2.61	2.48	2.60	2.30	...	210
220	Petroleum and gas	11.86	12.66	9.96	10.22	...	...	...	...	...	...	220
230	Metal ore mining	0.03	0.02	-	-	...	0.07	-	-	-	...	230
290	Other mining	0.66	0.67	0.74	0.72	...	0.46	0.47	0.50	0.50	...	290
2	Mining, quarrying .	16.22	16.91	14.32	14.38	...	...	...	...	...	...	2
311/2	Food products	32.25	33.77	35.64	37.89	...	10.21	11.16	11.72	12.81	...	311/2
313	Beverages	6.91	6.86	7.62	8.33	...	2.99	3.20	3.33	3.57	...	313
314	Tobacco	1.57	1.30	1.80	1.97	...	0.94	1.09	1.09	1.28	...	314
321	Textiles	7.65	8.58	8.98	9.05	...	3.27	3.75	3.90	3.96	...	321
3211	Spinning,weaving etc..	3.68	4.23	4.33	4.27	...	1.54	1.81	1.83	1.79	...	3211
322	Wearing apparel	4.27	4.48	4.83	4.96	...	2.10	2.22	2.44	2.52	...	322
323	Leather and products ...	0.87	0.99	0.97	0.95	...	0.29	0.32	0.30	0.32	...	323
324	Footwear	1.14	1.32	1.35	1.30	...	0.63	0.72	0.71	0.66	...	324
331	Wood products	3.41	4.65	4.70	4.80	...	1.27	1.61	1.77	1.85	...	331
332	Furniture, fixtures	3.57	4.05	4.93	5.17	...	1.68	1.94	2.33	2.49	...	332
341	Paper and products	7.64	8.59	9.53	10.18	...	3.37	3.71	4.13	4.23	...	341
3411	Pulp,paper etc.	2.27	2.71	2.88	3.06	...	0.89	1.01	1.15	1.13	...	3411
342	Printing,publishing	11.76	13.33	15.30	17.20	...	7.27	8.26	9.38	10.53	...	342
351	Industrial chemicals ...	15.86	17.56	18.68	20.59	...	6.00	7.21	7.89	8.46	...	351
3511	Basic excl fertilizers	9.92	11.24	12.08	13.34	...	4.00	5.00	5.45	5.80	...	3511
3513	Synthetic resins etc .	3.68	4.06	4.38	4.82	...	1.26	1.35	1.54	1.66	...	3513
352	Other chemical products.	10.73	11.89	13.35	14.51	...	5.60	6.33	7.18	7.79	...	352
3522	Drugs and medicines ..	4.43	5.02	5.72	6.36	...	2.68	3.17	3.69	4.08	...	3522
353	Petroleum refineries ...	8.44	9.83	7.70	9.53	...	1.31	1.32	1.50	1.91	...	353
354	Petroleum,coal products.	1.00	0.98	1.13	1.04	...	0.31	0.35	0.47	0.44	...	354
355	Rubber products	2.49	2.73	2.89	3.10	...	1.27	1.40	1.52	1.63	...	355
356	Plastic products n.e.c..	5.89	7.14	8.13	9.45	...	2.74	3.34	3.69	4.26	...	356
361	Pottery,china etc	0.90	0.99	1.13	1.19	...	0.60	0.66	0.79	0.81	...	361
362	Glass and products	1.49	1.82	1.99	2.13	...	0.83	1.03	1.13	1.20	...	362
369	Non-metal products n.e.c	6.63	7.20	8.66	9.61	...	3.55	4.00	4.90	5.43	...	369
371	Iron and steel	8.91	9.80	11.38	12.04	...	3.44	4.05	4.70	4.95	...	371
372	Non-ferrous metals	4.12	4.50	5.55	6.30	...	1.27	1.34	1.61	1.64	...	372
381	Metal products	12.20	12.71	14.23	15.89	...	5.91	6.05	6.77	7.56	...	381
382	Machinery n.e.c.	24.17	26.20	30.57	34.72	...	11.74	12.69	14.46	16.24	...	382
3825	Office,computing etc..	4.11	5.17	6.77	7.83	...	1.82	2.23	2.85	3.06	...	3825
383	Electrical machinery ...	20.62	22.23	24.61	26.27	...	10.02	10.90	12.08	12.32	...	383
3832	Radio,television etc..	10.80	11.55	12.72	13.58	...	5.20	5.55	6.17	6.22	...	3832
384	Transport equipment	26.03	29.48	33.13	37.56	...	10.78	11.66	12.89	15.45	...	384
3841	Shipbuilding, repair..	1.86	2.05	2.16	2.31	...	0.83	1.08	1.17	1.30	...	3841
3843	Motor vehicles	15.14	17.63	20.88	23.40	...	5.74	6.27	6.95	8.20	...	3843
385	Professional goods	2.67	2.93	3.40	3.69	...	1.45	1.58	1.88	1.93	...	385
390	Other industries	2.24	2.53	2.91	3.23	...	1.08	1.24	1.46	1.56	...	390
3	Manufacturing	235.40	258.47	285.12	312.66	...	101.93	113.10	126.01	137.79	...	3
410	Electricity,gas,steam ..	19.89	19.88	21.05	22.69	...	8.58	8.69	10.02	10.99	...	410
4101	Electricity	12.57	12.75	13.99	15.27	...	5.65	5.56	6.79	7.82	...	4101
420	Water works and supply .	1.88	2.03	2.13	2.27	...	1.50	1.63	1.71	1.77	...	420
4	Electricity,gas etc	21.77	21.90	23.19	24.96	...	10.08	10.32	11.73	12.76	...	4
2-4	All industry	273.39	297.28	322.66	341.79	...	...	...	...	...	...	2-4

ISIC	INDUSTRY	11. GROSS FIXED CAPITAL FORMATION TOTAL (MILLION POUNDS)					12. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT (MILLION POUNDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	502	502	395	342	...	287	326	251	201	...	210
220	Petroleum and gas	2579	2042	2135	2621	...	1179	717	542	793	...	220
230	Metal ore mining	6	11	1	-	...	6	6	...	...	...	230
290	Other mining	30	43	70	63	...	25	42	65	57	...	290
2	Mining, quarrying .	3117	2598	2601	3026	...	1497	1091	858	1051	...	2
311/2	Food products	961	1125	1267	1431	...	801	920	1052	1182	...	311/2
313	Beverages	282	301	375	461	...	213	234	287	363	...	313
314	Tobacco	31	27	17	16	...	29	28	26	21	...	314
321	Textiles	290	301	395	333	...	264	274	351	310	...	321
3211	Spinning,weaving etc..	154	157	213	179	...	145	143	189	141	...	3211
322	Wearing apparel	100	110	121	121	...	84	93	108	106	...	322
323	Leather and products ...	19	25	21	16	...	13	14	17	17	...	323
324	Footwear	30	29	26	14	...	22	27	26	23	...	324
331	Wood products	100	142	174	206	...	81	115	144	156	...	331
332	Furniture, fixtures	93	126	169	181	...	74	94	138	125	...	332
341	Paper and products	292	398	644	702	...	257	263	567	619	...	341
3411	Pulp,paper etc.	89	155	316	368	...	79	129	274	330	...	3411
342	Printing,publishing	578	671	876	1069	...	495	574	730	881	...	342
351	Industrial chemicals ...	1319	1497	1630	1796	...	1143	1284	1414	1593	...	351
3511	Basic excl fertilizers	1040	1162	1339	1402	...	891	982	1145	1283	...	3511
3513	Synthetic resins etc .	152	189	204	330	...	139	175	188	298	...	3513
352	Other chemical products.	602	631	757	899	...	479	474	574	686	...	352
3522	Drugs and medicines ..	369	390	469	517	...	284	259	332	401	...	3522
353	Petroleum refineries ...	241	201	310	269	...	235	296	302	263	...	353
354	Petroleum,coal products.	65	28	29	39	...	55	24	26	30	...	354
355	Rubber products	83	103	146	152	...	76	96	129	126	...	355
356	Plastic products n.e.c..	336	445	505	611	...	299	388	439	521	...	356
361	Pottery,china etc	30	44	65	59	...	24	40	55	48	...	361
362	Glass and products	52	100	125	188	...	48	91	110	153	...	362
369	Non-metal products n.e.c	350	456	631	780	...	309	391	532	610	...	369
371	Iron and steel	401	398	491	612	...	383	377	466	592	...	371
372	Non-ferrous metals	92	135	180	197	...	88	128	151	169	...	372
381	Metal products	351	417	554	670	...	304	363	471	560	...	381
382	Machinery n.e.c.	786	776	929	1157	...	698	709	865	966	...	382
3825	Office,computing etc..	152	163	238	275	...	126	136	182	172	...	3825
383	Electrical machinery ...	798	836	1050	1170	...	682	741	939	963	...	383
3832	Radio,television etc..	459	483	594	636	...	382	411	532	515	...	3832
384	Transport equipment	1064	966	1327	1865	...	894	832	1121	1562	...	384
3841	Shipbuilding, repair..	149	68	58	52	...	91	46	44	44	...	3841
3843	Motor vehicles	677	612	925	1339	...	611	576	832	1188	...	3843
385	Professional goods	109	114	140	167	...	87	98	116	125	...	385
390	Other industries	60	71	96	106	...	56	66	83	90	...	390
3	Manufacturing	9515	10475	13058	15287	...	8195	9036	11242	12859	...	3
410	Electricity,gas,steam ..	2102	1944	2460	2983	...	1620	1754	2179	2615	...	410
4101	Electricity	1664	1583	1709	2163	...	1337	1400	1424	1793	...	4101
420	Water works and supply .	578	668	780	881	...	128	162	219	244	...	420
4	Electricity,gas etc	2680	2612	3240	3864	...	1748	1916	2398	2859	...	4
2-4	All industry	15308	15685	18899	19556	...	11436	12046	13959	15976	...	2-4

UNITED KINGDOM

13. VALUE OF STOCKS AT END OF PERIOD
TOTAL
(MILLION POUNDS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	497	410	510	490	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	6	12	...	...	...	230
290	Other mining	41	43	41	40	...	290
2	Mining, quarrying .	...	...	...	...	...	2
311/2	Food products	2656	2671	2868	3018	...	311/2
313	Beverages	1704	1787	1969	2124	...	313
314	Tobacco	448	386	353	340	...	314
321	Textiles	1383	1547	1678	1702	...	321
3211	Spinning,weaving etc..	649	719	784	801	...	3211
322	Wearing apparel	817	872	945	934	...	322
323	Leather and products ...	168	196	188	179	...	323
324	Footwear	180	233	254	234	...	324
331	Wood products	589	681	738	744	...	331
332	Furniture, fixtures	501	517	635	638	...	332
341	Paper and products	1003	1083	1187	1254	...	341
3411	Pulp,paper etc.	284	324	343	390	...	3411
342	Printing,publishing	979	1073	1263	1335	...	342
351	Industrial chemicals ...	2178	2438	2571	2796	...	351
3511	Basic excl fertilizers	1356	1528	1626	1788	...	3511
3513	Synthetic resins etc .	437	485	500	536	...	3513
352	Other chemical products.	1908	2054	2180	2333	...	352
3522	Drugs and medicines ..	958	1039	1053	1155	...	3522
353	Petroleum refineries ...	904	897	629	696	...	353
354	Petroleum,coal products.	139	158	155	138	...	354
355	Rubber products	380	398	401	461	...	355
356	Plastic products n.e.c..	745	882	961	1032	...	356
361	Pottery,china etc	204	207	221	234	...	361
362	Glass and products	229	244	260	273	...	362
369	Non-metal products n.e.c	738	734	775	947	...	369
371	Iron and steel	1678	1652	1809	1843	...	371
372	Non-ferrous metals	610	668	783	775	...	372
381	Metal products	2326	2237	2362	2412	...	381
382	Machinery n.e.c.	5681	5565	5994	6487	...	382
3825	Office,computing etc..	820	703	873	977	...	3825
383	Electrical machinery ...	4857	5165	5539	5796	...	383
3832	Radio,television etc..	2693	2749	2918	3123	...	3832
384	Transport equipment	9962	10386	11050	12177	...	384
3841	Shipbuilding, repair..	2361	2545	2531	2975	...	3841
3843	Motor vehicles	2907	2925	3363	3637	...	3843
385	Professional goods	750	776	906	947	...	385
390	Other industries	504	572	694	703	...	390
3	Manufacturing	44218	46078	49370	52550	...	3
410	Electricity,gas,steam ..	2267	2958	2753	2310	...	410
4101	Electricity	2107	2754	2477	2026	...	4101
420	Water works and supply .	-	-	-	-	...	420
4	Electricity,gas etc	2267	2958	2753	2310	...	4
2-4	All industry	...	...	...	...	...	2-4

14. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100) a/

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	b/ RATE	ISIC
210	Coal mining	93	90	38	70	80	78	78	75	69	-4.5	210
220	Petroleum and gas	126	138	147	151	153	149	136	111	111	1.3	220
230	Metal ore mining	119	115	141	142	126	114	108	101	95	-0.6	230
290	Other mining	104	97	104	107	108	110	116	116	107	0.8	290
2	Mining, quarrying .	117	124	118	129	133	130	120	102	100	0.0	2
311/2	Food products	103	104	105	105	106	108	110	110	111	1.3	311/2
313	Beverages	96	97	98	98	101	103	102	108	109	1.1	313
314	Tobacco	91	90	92	84	76	82	85	83	85	-2.0	314
321	Textiles	90	92	94	98	98	103	102	98	94	-0.8	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	94	97	103	111	110	111	110	107	109	1.1	322
323	Leather and products ...	87	95	101	92	97	100	90	89	76	-3.4	323
324	Footwear	86	87	87	89	90	93	90	82	81	-2.6	324
331	Wood products	[89	96	101	100	104	113	127	127	123	2.6]	331
332	Furniture, fixtures											332
341	Paper and products	88	90	94	94	96	102	106	108	111	1.3	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	93	92	98	101	106	118	132	141	142	4.5	342
351	Industrial chemicals ...	96	105	112	116	117	121	125	129	125	2.8	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	102	107	113	117	122	132	140	148	149	5.1	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	94	96	100	100	101	102	110	112	112	1.4	353
354	Petroleum,coal products.	92	89	65	90	91	91	89	85	81	-2.6	354
355	Rubber products	79	82	80	83	84	92	96	99	98	-0.3	355
356	Plastic products n.e.c..	99	110	123	125	138	158	178	188	193	8.6	356
361	Pottery,china etc	82	87	94	99	96	98	104	105	97	-0.4	361
362	Glass and products	90	95	105	107	107	114	121	124	123	2.6	362
369	Non-metal products n.e.c	90	95	97	94	97	102	115	118	111	1.3	369
371	Iron and steel	106	102	100	106	104	114	127	129	121	2.4	371
372	Non-ferrous metals	89	92	97	94	95	96	106	111	110	1.2	372
381	Metal products	101	103	106	104	103	104	111	115	116	1.9	381
382	Machinery n.e.c.	88	88	96	105	102	107	121	129	132	3.5	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	98	105	113	115	117	119	128	136	134	3.7	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	90	90	87	90	94	97	102	114	113	1.5	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	94	95	102	111	110	116	129	127	127	3.0	385
390	Other industries	84	76	80	80	80	85	94	99	98	-0.3	390
3	Manufacturing	94	97	101	104	105	111	118	124	123	2.6	3
410	Electricity,gas,steam ..	98	100	82	102	113	118	119	120	122	2.5	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	102	102	103	104	106	106	106	107	108	1.0	420
4	Electricity,gas etc	98	107	91	104	120	124	120	121	123	2.6	4
2-4	All industry	98	102	102	108	111	114	118	119	118	2.1	2-4

a/ These figures do not include an adjustment to correct mixed sales and production data to true production index numbers.
b/ Annual growth rate 1982-1990.

UNITED STATES OF AMERICA

The information in the tables is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Statistical Policy Branch, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C.

The estimates for manufacturing are derived from the quinquennial Census of Manufactures and the Annual Survey of Manufactures carried out by the Bureau of the Census, U.S. Department of Commerce. The quinquennial census is conducted in years ending in 2 and 7 and covers all establishments having at least one employee. The annual survey uses a sample of approximately 55,000 establishments, representing a coverage rate exceeding 95 percent of the value of shipments in manufacturing. Establishments which are owned and operated by the government are excluded; however, privately operated government establishments are included. Administrative records were used for small single-establishment firms below an employment-size level which varied by industry.

Establishments are classified according to the 1987 version of the national industrial classification (SIC), which has been adjusted to the present version of the ISIC at the four-digit level of the national scheme. In a few instances, the industry classification of an establishment is determined not only by its product group, but also by the process employed in making its product. Also, the following activities are excluded from manufacturing: small-scale processing activities carried out as a secondary activity in agriculture; custom work to the individual order of household consumers (custom tailoring, woodworking, orthopaedic appliance making, etc.); some repair activities (reupholstery and furniture repair, tyre retreading etc.) and repair shops of railroads; manufacturing by retail establishments selling most of their products on premises to household consumers (bakeries, ice cream stores etc.); and manufacturing by construction contractors at the site (for example, production of paving materials).

The concepts and definitions used are generally in accordance with United Nations standards, although the following points should be noted:

Employment data refer to the average of four quarterly observations for production workers, based on the 12th of March, May, August and November, plus the 12 March figure for all other employees;

Wages and salaries include dismissal pay and sick leave pay;

Output is not adjusted for the cost of purchases of goods for resale without further processing. Value of fixed assets produced on own account is excluded. Freight charges are excluded;

Gross fixed capital formation relates to the expenditure on new plant and equipment only, including major alterations, capitalized repairs and improvements. Expenditures on plants not yet in operation are included;

Valuation of both output and value added is at factor values.

The indices of industrial production are compiled by the Board of Governors of the Federal Reserve System. The indices are compiled according to the national industrial classification which is generally comparable to the present version of ISIC.

Related national publications:

1987 Census of Manufactures; Annual Survey of Manufactures; Statistical Abstract of the United States (annual), all published by the Bureau of the Census, U.S. Department of Commerce, Washington, D.C. Federal Reserve Bulletin, published by the Board of Governors, Federal Reserve System, Washington, D.C.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	...	18646	...	...	...	1248	1297	1314	1317	1332	311/2
313	Beverages	...	1930	...	...	...	160	152	151	142	138	313
314	Tobacco	...	137	...	...	...	46	45	45	43	41	314
321	Textiles	...	13270	...	...	...	831	878	873	848	829	321
3211	Spinning,weaving etc..	...	2537	...	...	...	365	377	379	361	347	3211
322	Wearing apparel	...	16067	...	...	...	841	886	872	832	807	322
323	Leather and products ...	...	1511	...	...	...	46	50	50	48	48	323
324	Footwear	...	610	...	...	...	80	76	75	70	67	324
331	Wood products	...	18169	...	...	...	460	514	518	511	508	331
332	Furniture, fixtures	...	13510	...	...	...	417	444	444	441	438	332
341	Paper and products	...	5811	...	...	...	602	575	583	591	591	341
3411	Pulp,paper etc.	...	526	...	...	...	241	196	198	197	199	3411
342	Printing,publishing	...	61786	...	...	...	1376	1494	1499	1504	1538	342
351	Industrial chemicals ...	...	3952	...	...	...	376	382	386	393	401	351
3511	Basic excl fertilizers	...	2355	...	...	...	211	219	219	221	227	3511
3513	Synthetic resins etc .	...	627	...	...	...	124	123	126	131	132	3513
352	Other chemical products.	...	8363	...	...	...	469	467	478	489	485	352
3522	Drugs and medicines ..	...	1356	...	...	...	166	172	175	184	183	3522
353	Petroleum refineries ...	...	309	...	...	...	84	75	73	72	72	353
354	Petroleum,coal products.	...	1924	...	...	...	40	41	42	39	40	354
355	Rubber products	...	2047	...	...	...	194	204	208	210	204	355
356	Plastic products n.e.c..	...	12527	...	...	...	547	636	656	673	670	356
361	Pottery,china etc	...	1013	...	...	...	32	38	39	38	38	361
362	Glass and products	...	2036	...	...	...	136	143	143	143	141	362
369	Non-metal products n.e.c	...	13644	...	...	...	346	371	373	373	364	369
371	Iron and steel	...	3146	...	...	...	411	402	422	420	413	371
372	Non-ferrous metals	...	3170	...	...	...	231	243	246	251	247	372
381	Metal products	...	35932	...	...	...	1309	1301	1333	1318	1296	381
382	Machinery n.e.c.	...	53132	...	...	...	1961	2059	2115	2115	2065	382
3825	Office,computing etc..	...	2186	...	...	...	363	334	337	311	294	3825
383	Electrical machinery ...	...	16587	...	...	...	1959	1596	1616	1588	1540	383
3832	Radio,television etc..	...	8495	...	...	...	1285	889	905	893	877	3832
384	Transport equipment	...	11556	...	...	...	1912	1960	1958	1949	1914	384
3841	Shipbuilding, repair..	...	2766	...	...	...	169	177	183	180	175	3841
3843	Motor vehicles	...	6608	...	...	...	845	944	921	910	884	3843
385	Professional goods	...	9894	...	...	...	586	944	945	926	902	385
390	Other industries	...	16321	...	...	...	311	358	376	370	369	390
3	Manufacturing	...	347000	...	...	...	17013	17631	17831	17714	17496	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: excluding central administrative offices and auxiliary units.

UNITED STATES OF AMERICA

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES a/ (BILLION DOLLARS)					4. SUPPLEMENTS TO WAGES AND SALARIES a/ (BILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	24.34	26.00	27.09	27.90	29.23	5.88	6.44	6.84	7.14	7.68	311/2
313	Beverages	4.22	4.26	4.33	4.21	4.24	0.97	1.03	1.09	1.10	1.11	313
314	Tobacco	1.36	1.49	1.50	1.50	1.52	0.39	0.42	0.44	0.43	0.48	314
321	Textiles	13.28	14.78	15.03	15.29	15.14	2.54	2.91	3.04	3.12	3.14	321
3211	Spinning,weaving etc..	5.99	6.60	6.73	6.76	6.59	1.13	1.25	1.32	1.37	1.37	3211
322	Wearing apparel	9.73	10.80	11.06	10.84	10.82	1.66	1.89	2.08	2.00	2.01	322
323	Leather and products ...	0.67	0.81	0.86	0.85	0.87	0.14	0.17	0.18	0.17	0.18	323
324	Footwear	0.98	0.98	0.99	0.99	0.99	0.20	0.20	0.21	0.21	0.21	324
331	Wood products	8.09	9.43	9.94	9.97	10.09	1.75	2.09	2.19	2.23	2.29	331
332	Furniture, fixtures	6.78	7.51	7.81	8.01	8.16	1.30	1.49	1.60	1.62	1.73	332
341	Paper and products	16.11	16.08	16.84	17.52	18.08	3.56	3.59	3.83	4.13	4.41	341
3411	Pulp,paper etc.	7.92	6.99	7.30	7.49	7.78	1.75	1.54	1.65	1.76	1.92	3411
342	Printing,publishing	29.89	33.44	35.03	36.64	38.81	5.34	6.51	6.89	7.00	7.59	342
351	Industrial chemicals ...	12.13	12.82	13.43	14.34	15.28	2.77	2.86	3.26	3.50	3.85	351
3511	Basic excl fertilizers	7.04	7.64	7.92	8.38	9.03	1.64	1.75	1.92	2.02	2.24	3511
3513	Synthetic resins etc .	3.94	4.01	4.29	4.63	4.80	0.87	0.87	1.06	1.18	1.27	3513
352	Other chemical products.	12.65	13.08	13.87	15.03	15.70	2.78	2.88	3.11	3.41	3.70	352
3522	Drugs and medicines ..	4.96	5.30	5.66	6.47	6.85	1.07	1.15	1.24	1.40	1.57	3522
353	Petroleum refineries ...	3.13	2.85	2.93	2.98	3.20	0.67	0.62	0.66	0.71	0.80	353
354	Petroleum,coal products.	1.08	1.15	1.21	1.20	1.28	0.25	0.26	0.28	0.27	0.30	354
355	Rubber products	4.74	5.00	5.31	5.51	5.36	1.32	1.42	1.48	1.57	1.63	355
356	Plastic products n.e.c..	10.54	12.74	13.50	14.26	14.92	2.25	2.91	3.15	3.29	3.53	356
361	Pottery,china etc	0.62	0.76	0.80	0.82	0.83	0.16	0.20	0.21	0.22	0.24	361
362	Glass and products	3.31	3.53	3.67	3.77	3.82	0.91	0.94	0.94	0.97	1.04	362
369	Non-metal products n.e.c	7.82	8.69	9.00	9.15	9.35	1.67	1.98	2.09	2.15	2.23	369
371	Iron and steel	11.90	12.17	13.31	13.66	13.91	4.22	4.16	4.52	4.51	4.79	371
372	Non-ferrous metals	6.06	6.48	6.86	7.25	7.39	1.66	1.78	1.92	2.05	2.13	372
381	Metal products	28.67	29.07	31.03	31.24	31.87	6.45	6.87	7.40	7.45	7.83	381
382	Machinery n.e.c.	52.03	56.20	60.06	61.86	61.92	11.58	12.88	13.52	14.22	14.81	382
3825	Office,computing etc..	11.41	10.81	11.67	11.12	10.42	2.26	2.05	2.32	2.27	2.17	3825
383	Electrical machinery ...	49.88	39.66	42.28	43.51	43.77	11.45	9.13	10.44	10.03	10.45	383
3832	Radio,television etc..	34.54	23.12	24.98	26.03	26.58	7.63	5.05	6.12	5.65	5.95	3832
384	Transport equipment	60.84	63.01	65.75	66.81	67.16	15.97	16.47	17.36	18.60	19.89	384
3841	Shipbuilding, repair..	4.07	4.27	4.42	4.57	4.67	0.97	1.01	1.11	1.13	1.20	3841
3843	Motor vehicles	27.18	29.25	30.64	30.44	30.06	8.06	8.82	9.06	9.76	10.24	3843
385	Professional goods	14.82	27.67	28.68	29.26	29.94	3.12	5.90	6.29	6.51	6.89	385
390	Other industries	5.54	6.50	6.99	7.10	7.35	1.05	1.30	1.40	1.45	1.52	390
3	Manufacturing	401.22	426.93	449.16	461.45	470.98	92.01	99.29	106.39	110.04	116.43	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Manufacturing: excluding central administrative offices and auxiliary units.

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES (THOUSANDS)					6. WAGES AND SALARIES OF OPERATIVES (BILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	914	956	973	979	992	15.83	16.87	17.60	18.12	18.97	311/2
313	Beverages	75	73	73	70	69	1.96	2.03	2.02	2.01	2.04	313
314	Tobacco	34	33	33	32	30	0.91	1.01	1.01	1.00	1.02	314
321	Textiles	707	742	738	726	708	10.03	11.11	11.29	11.55	11.37	321
3211	Spinning,weaving etc..	319	329	331	316	304	4.75	5.22	5.29	5.33	5.15	3211
322	Wearing apparel	719	753	736	712	692	6.99	7.69	7.77	7.76	7.72	322
323	Leather and products ...	37	40	40	38	38	0.45	0.54	0.56	0.55	0.55	323
324	Footwear	70	67	65	61	58	0.74	0.74	0.75	0.74	0.70	324
331	Wood products	382	430	431	427	427	6.10	7.09	7.46	7.49	7.55	331
332	Furniture, fixtures	342	363	365	360	356	4.80	5.33	5.54	5.59	5.66	332
341	Paper and products	458	437	446	453	450	11.30	11.23	11.75	12.19	12.43	341
3411	Pulp,paper etc.	182	150	153	153	152	5.74	5.18	5.40	5.52	5.64	3411
342	Printing,publishing	738	797	800	806	818	14.10	15.66	16.30	16.66	17.42	342
351	Industrial chemicals ...	231	232	236	242	245	6.73	7.03	7.35	7.82	8.24	351
3511	Basic excl fertilizers	120	124	125	128	130	3.70	3.95	4.11	4.33	4.59	3511
3513	Synthetic resins etc .	85	84	85	89	88	2.41	2.45	2.58	2.77	2.86	3513
352	Other chemical products.	257	254	262	265	261	5.64	5.78	6.07	6.30	6.57	352
3522	Drugs and medicines ..	78	80	81	83	81	1.81	1.90	2.01	2.17	2.29	3522
353	Petroleum refineries ...	55	50	50	48	47	1.97	1.80	1.83	1.86	1.96	353
354	Petroleum,coal products.	27	26	27	26	26	0.63	0.66	0.69	0.69	0.73	354
355	Rubber products	148	157	162	164	161	3.26	3.49	3.72	3.89	3.82	355
356	Plastic products n.e.c..	424	496	510	523	519	6.86	8.37	8.80	9.25	9.68	356
361	Pottery,china etc	25	30	31	30	30	0.45	0.55	0.57	0.58	0.60	361
362	Glass and products	113	117	117	118	116	2.57	2.69	2.81	2.86	2.90	362
369	Non-metal products n.e.c	261	277	276	278	273	5.33	5.93	6.10	6.16	6.23	369
371	Iron and steel	316	314	330	330	321	8.65	8.96	9.94	10.02	10.15	371
372	Non-ferrous metals	177	185	188	192	188	4.20	4.42	4.70	4.94	5.01	372
381	Metal products	967	970	997	987	965	18.59	18.86	20.11	20.32	20.51	381
382	Machinery n.e.c.	1214	1291	1346	1355	1312	27.07	29.46	31.70	33.09	32.91	382
3825	Office,computing etc..	137	125	127	118	110	2.89	2.64	2.71	2.73	2.59	3825
383	Electrical machinery ...	1164	1009	1922	1007	962	23.50	19.88	21.01	21.19	20.77	383
3832	Radio,television etc..	682	510	1418	515	499	14.08	9.89	10.55	10.80	10.82	3832
384	Transport equipment	1291	1329	1317	1306	1271	36.94	38.18	39.99	40.03	39.61	384
3841	Shipbuilding, repair..	129	138	141	137	134	2.79	2.93	3.03	3.02	3.06	3841
3843	Motor vehicles	685	764	753	743	713	21.16	22.47	23.92	23.74	23.05	3843
385	Professional goods	336	484	487	473	461	6.70	11.13	11.41	11.35	11.49	385
390	Other industries	224	259	272	268	264	3.27	3.75	4.04	4.09	4.17	390
3	Manufacturing	11705	12171	13231	12275	12060	235.58	250.23	262.88	268.08	270.78	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

UNITED STATES OF AMERICA

ISIC	INDUSTRY	7. HOURS WORKED BY OPERATIVES (MILLIONS)					8. OUTPUT IN FACTOR VALUES (BILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	1779	1875	1918	1942	2003	268.0	287.1	306.7	319.1	337.1	311/2
313	Beverages	153	144	142	138	136	40.6	42.7	44.8	45.3	46.9	313
314	Tobacco	63	61	58	58	57	19.1	20.8	23.8	25.8	29.9	314
321	Textiles	1405	1493	1471	1447	1419	70.1	79.8	82.0	85.1	84.4	321
3211	Spinning,weaving etc.	649	686	676	651	623	30.3	35.0	36.9	37.2	36.7	3211
322	Wearing apparel	1257	1316	1285	1268	1248	44.5	48.7	49.4	47.2	47.5	322
323	Leather and products	68	76	76	73	70	3.3	4.5	4.9	5.1	5.1	323
324	Footwear	123	125	122	115	107	4.2	4.4	4.6	4.6	4.6	324
331	Wood products	754	863	872	861	856	43.4	51.2	52.6	54.7	54.3	331
332	Furniture, fixtures	668	715	709	701	699	27.3	29.7	31.0	32.3	33.1	332
341	Paper and products	953	912	935	948	945	97.9	104.4	117.5	125.7	125.9	341
3411	Pulp,paper etc.	388	323	330	329	329	48.6	47.0	54.9	58.1	57.5	3411
342	Printing,publishing	1415	1538	1568	1561	1597	118.9	136.2	144.0	149.9	157.1	342
351	Industrial chemicals	475	483	503	509	517	104.1	126.1	146.6	157.9	159.1	351
3511	Basic excl fertilizers	249	256	270	268	274	56.5	70.9	82.1	90.1	92.4	3511
3513	Synthetic resins etc	174	177	181	187	185	35.1	40.9	48.4	50.5	48.4	3513
352	Other chemical products.	510	509	521	522	519	96.7	107.9	117.7	124.8	133.9	352
3522	Drugs and medicines	151	155	158	161	161	34.5	39.3	44.0	49.1	53.7	3522
353	Petroleum refineries	113	103	103	105	106	109.9	118.2	118.8	131.2	159.4	353
354	Petroleum,coal products.	55	55	55	55	56	11.5	12.2	12.6	12.5	13.2	354
355	Rubber products	290	315	329	332	323	21.0	22.5	24.2	25.1	25.6	355
356	Plastic products n.e.c.	847	988	1022	1050	1045	52.3	66.4	72.3	76.1	78.2	356
361	Pottery,china etc	51	60	62	60	60	1.9	2.4	2.6	2.6	2.6	361
362	Glass and products	224	234	238	237	235	14.6	16.3	16.8	17.3	17.3	362
369	Non-metal products n.e.c	539	579	567	577	569	40.8	45.1	46.4	46.5	46.5	369
371	Iron and steel	627	646	698	721	676	56.9	63.5	77.2	78.1	75.7	371
372	Non-ferrous metals	352	378	389	396	390	39.6	46.6	59.7	62.2	58.5	372
381	Metal products	1923	1955	2028	2008	1968	124.3	128.9	139.4	143.1	145.0	381
382	Machinery n.e.c.	2414	2604	2731	2759	2670	218.1	241.8	268.7	278.2	280.5	382
3825	Office,computing etc.	271	253	254	238	223	57.8	61.3	68.4	66.1	64.7	3825
383	Electrical machinery	2274	1984	1925	1991	1921	198.7	175.9	193.4	201.5	204.3	383
3832	Radio,television etc.	1334	1001	1022	1019	1001	126.3	97.2	107.2	111.2	116.8	3832
384	Transport equipment	2638	2697	2705	2644	2540	330.4	349.8	372.0	383.8	384.8	384
3841	Shipbuilding, repair	258	272	280	277	269	12.9	13.9	14.7	15.4	15.8	3841
3843	Motor vehicles	1423	1557	1565	1518	1431	206.3	228.8	245.2	249.1	237.6	3843
385	Professional goods	661	967	960	943	948	61.9	102.2	108.8	111.7	115.6	385
390	Other industries	435	495	521	511	504	25.4	29.9	32.6	33.5	34.7	390
3	Manufacturing	23066	24170	24513	24530	24183	2245.2	2465.0	2670.9	2781.0	2861.3	3
410	Electricity,gas,steam	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

ISIC	INDUSTRY	9. VALUE ADDED IN FACTOR VALUES (BILLION DOLLARS)					10. GROSS FIXED CAPITAL FORMATION TOTAL a/ (BILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	94.6	102.3	108.3	111.2	119.8	5.66	6.00	6.19	7.04	7.69	311/2
313	Beverages	17.7	19.3	20.5	20.9	21.1	1.31	1.20	1.30	1.29	1.17	313
314	Tobacco	12.7	14.3	17.2	18.9	22.6	0.66	0.46	0.41	0.40	0.28	314
321	Textiles	28.7	33.4	34.0	35.5	34.9	1.91	2.33	2.50	2.67	2.71	321
3211	Spinning,weaving etc..	12.5	14.4	15.3	15.1	14.8	1.04	1.25	1.58	1.47	1.47	3211
322	Wearing apparel	22.7	25.6	25.6	25.3	25.5	0.42	0.49	0.48	0.52	0.47	322
323	Leather and products ...	1.4	2.0	2.2	2.3	2.2	0.04	0.06	0.06	0.08	0.07	323
324	Footwear	2.2	2.3	2.3	2.3	2.3	0.04	0.04	0.04	0.04	0.05	324
331	Wood products	17.5	21.1	21.1	21.7	20.8	1.20	1.36	1.40	1.49	1.38	331
332	Furniture, fixtures	14.3	15.9	16.3	16.5	16.9	0.56	0.64	0.65	0.72	0.62	332
341	Paper and products	43.9	48.3	55.0	58.5	57.2	6.08	5.55	7.01	9.85	10.60	341
3411	Pulp,paper etc.	22.2	23.2	28.8	29.8	28.1	4.33	3.76	5.13	7.59	8.31	3411
342	Printing,publishing	78.2	90.2	84.4	97.8	103.2	4.39	4.91	5.01	5.76	5.81	342
351	Industrial chemicals ...	44.6	56.5	68.2	72.8	73.5	5.08	5.46	7.14	9.24	11.01	351
3511	Basic excl fertilizers	25.7	32.4	39.8	43.8	44.9	2.66	3.19	4.04	5.43	6.48	3511
3513	Synthetic resins etc .	14.1	17.7	20.8	21.3	20.5	1.90	1.90	2.57	3.03	3.70	3513
352	Other chemical products.	58.2	66.6	71.9	75.3	81.8	2.92	3.50	4.01	4.47	4.51	352
3522	Drugs and medicines ..	24.4	28.2	31.0	34.4	38.2	1.33	1.75	2.06	2.39	2.28	3522
353	Petroleum refineries ...	13.9	14.2	20.7	21.6	22.8	2.27	2.04	2.33	2.99	3.82	353
354	Petroleum,coal products.	3.7	4.3	4.6	4.5	4.4	0.30	0.31	0.29	0.34	0.34	354
355	Rubber products	11.0	11.9	12.5	12.9	13.4	0.71	0.71	0.85	1.24	1.05	355
356	Plastic products n.e.c..	26.3	33.3	34.8	36.0	37.3	2.29	2.82	2.81	3.41	3.41	356
361	Pottery,china etc	1.3	1.7	1.8	1.8	1.8	0.07	0.08	0.08	0.12	0.11	361
362	Glass and products	8.4	9.5	9.8	10.0	10.1	0.74	0.78	0.82	1.07	0.92	362
369	Non-metal products n.e.c	21.1	23.6	24.3	24.3	24.0	1.51	1.64	1.43	1.83	1.80	369
371	Iron and steel	23.5	27.7	33.6	33.2	31.8	1.79	2.22	2.78	3.54	3.54	371
372	Non-ferrous metals	12.1	14.6	18.5	18.1	17.5	1.22	1.45	1.68	1.83	1.93	372
381	Metal products	61.8	65.2	69.8	70.0	70.3	3.39	3.42	3.17	3.80	3.78	381
382	Machinery n.e.c.	114.1	131.2	142.6	147.7	145.0	6.95	7.59	7.53	8.69	8.93	382
3825	Office,computing etc..	27.8	32.7	34.1	33.5	31.6	2.40	2.20	2.38	2.36	2.26	3825
383	Electrical machinery ...	113.1	98.5	107.2	111.0	112.4	9.11	6.83	7.85	8.72	9.34	383
3832	Radio,television etc..	75.3	57.1	62.6	65.2	67.9	6.99	4.66	5.77	6.34	6.83	3832
384	Transport equipment	132.5	144.2	151.2	161.0	154.0	12.52	12.07	8.10	10.78	11.49	384
3841	Shipbuilding, repair..	7.2	7.7	7.9	8.2	8.6	0.30	0.41	0.38	0.31	0.31	3841
3843	Motor vehicles	65.7	75.9	82.0	86.4	78.9	7.88	7.96	4.25	6.45	7.57	3843
385	Professional goods	40.0	67.8	72.4	74.3	76.5	2.28	3.73	3.79	4.20	4.03	385
390	Other industries	13.5	16.2	17.7	18.3	18.7	0.57	0.63	0.62	0.72	0.72	390
3	Manufacturing	1032.9	1161.7	1248.3	1303.6	1322.0	76.01	78.30	80.34	96.83	101.55	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Excluding used fixed assets.

UNITED STATES OF AMERICA

ISIC	INDUSTRY	11. GROSS FIXED CAPITAL FORMATION MACHINERY AND EQUIPMENT a/b/ (BILLION DOLLARS)					12. VALUE OF STOCKS AT END OF PERIOD TOTAL (BILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	4.56	4.80	4.88	5.53	6.07	19.79	21.16	22.87	23.09	24.68	311/2
313	Beverages	0.99	0.98	1.11	1.04	0.95	4.23	4.15	4.48	4.62	4.69	313
314	Tobacco	0.58	0.37	0.36	0.33	0.25	5.93	5.56	5.48	5.71	6.12	314
321	Textiles	1.64	2.00	2.10	2.31	2.33	8.81	9.92	10.46	10.68	10.89	321
3211	Spinning,weaving etc..	0.91	1.10	1.35	1.28	1.29	3.59	4.01	4.30	4.43	4.44	3211
322	Wearing apparel	0.32	0.35	0.37	0.36	0.38	6.18	6.92	7.16	7.00	6.83	322
323	Leather and products ...	0.03	0.04	0.04	0.05	0.05	0.62	0.80	0.85	0.87	0.86	323
324	Footwear	0.03	0.04	0.04	0.04	0.04	0.70	0.73	0.83	0.84	0.81	324
331	Wood products	0.98	1.13	1.13	1.25	1.14	5.48	6.07	6.44	6.53	6.98	331
332	Furniture, fixtures	0.40	0.46	0.42	0.48	0.44	3.91	4.03	4.31	4.44	4.54	332
341	Paper and products	5.33	4.85	6.28	8.76	9.57	10.24	10.52	11.73	12.49	12.72	341
3411	Pulp,paper etc.	3.88	3.28	4.66	6.85	7.62	4.71	4.00	4.44	4.92	5.23	3411
342	Printing,publishing	3.50	4.06	4.04	4.36	4.77	8.86	9.94	11.11	11.39	11.83	342
351	Industrial chemicals ...	4.51	4.78	6.41	8.24	9.56	12.94	14.16	15.76	16.65	18.14	351
3511	Basic excl fertilizers	2.43	2.83	3.68	4.92	5.63	7.01	7.95	8.80	9.33	10.29	3511
3513	Synthetic resins etc .	1.59	1.64	2.27	2.65	3.22	4.09	4.33	4.93	5.19	5.61	3513
352	Other chemical products.	2.19	2.61	3.01	3.31	3.39	12.07	12.81	14.25	14.89	15.81	352
3522	Drugs and medicines ..	0.94	1.22	1.43	1.65	1.59	4.58	5.13	5.71	6.06	6.57	3522
353	Petroleum refineries ...	1.88	1.52	1.78	2.39	3.29	8.26	8.79	8.01	9.22	11.87	353
354	Petroleum,coal products.	0.27	0.27	0.25	0.30	0.28	0.90	1.00	1.01	1.16	1.27	354
355	Rubber products	0.63	0.62	0.74	1.09	0.92	2.50	2.57	2.76	2.73	2.90	355
356	Plastic products n.e.c..	1.96	2.38	2.32	2.81	2.90	5.83	7.59	8.59	8.89	9.08	356
361	Pottery,china etc	0.06	0.07	0.06	0.10	0.09	0.35	0.43	0.43	0.43	0.44	361
362	Glass and products	0.65	0.69	0.69	0.95	0.80	2.22	2.26	2.40	2.58	2.74	362
369	Non-metal products n.e.c	1.33	1.46	1.22	1.59	1.55	4.40	4.75	5.00	5.09	5.35	369
371	Iron and steel	1.59	2.03	2.57	3.30	3.19	9.93	10.05	12.17	12.76	12.84	371
372	Non-ferrous metals	1.06	1.23	1.44	1.54	1.65	6.79	7.66	8.65	8.39	8.06	372
381	Metal products	2.87	2.79	2.52	3.07	3.12	19.75	19.42	21.20	21.24	20.78	381
382	Machinery n.e.c.	5.86	6.44	6.29	7.25	7.41	43.06	47.42	51.77	54.03	52.82	382
3825	Office,computing etc..	2.00	1.85	1.97	1.97	1.80	10.37	9.99	11.33	11.76	10.52	3825
383	Electrical machinery ...	7.23	5.90	6.38	7.17	7.81	38.33	30.33	31.35	33.83	33.71	383
3832	Radio,television etc..	5.46	4.05	4.63	5.19	5.65	25.70	16.67	17.92	19.27	19.30	3832
384	Transport equipment	9.74	9.92	6.46	8.62	9.55	51.45	55.69	62.08	71.15	75.85	384
3841	Shipbuilding, repair..	0.18	0.24	0.21	0.20	0.20	1.43	1.75	1.75	1.83	2.12	3841
3843	Motor vehicles	6.43	6.91	3.71	5.71	6.63	12.22	13.72	14.02	13.70	15.01	3843
385	Professional goods	1.87	3.06	3.08	3.38	3.25	12.22	21.87	22.93	23.22	23.16	385
390	Other industries	0.46	0.52	0.48	0.60	0.56	4.75	5.42	5.88	5.86	5.99	390
3	Manufacturing	62.54	65.38	66.46	80.20	85.29	310.52	332.03	359.95	379.76	391.73	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Including sanitary services.

b/ Excluding used fixed assets.

13. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	97	93	106	106	106	110	115	116	124	2.7	210
220	Petroleum and gas	98	88	91	89	79	78	77	74	74	-3.7	220
230	Metal ore mining	76	74	84	83	81	85	104	120	129	3 2	230
290	Other mining	84	92	109	115	116	121	129	137	144	4.7	290
2	Mining, quarrying ..	99	95	102	99	92	91	92	91	93	-0.9	2
311/2	Food products	101	104	109	112	115	118	122	125	127	3.0	311/2
313	Beverages	100	104	107	108	111	113	117	120	124	2.7	313
314	Tobacco	98	94	96	96	93	99	100	98	98	-0.3	314
321	Textiles	90	102	100	99	105	112	112	114	112	1.4	321
3211	Spinning,weaving etc..	86	96	93	86	89	94	91	89	88	-1.6	3211
322	Wearing apparel ..... b/	85	92	99	96	99	103	105	108	102	0.2	322
323	Leather and products ... b/c/	92	94	99	85	80	84	87	92	86	-1.9	323
324	Footwear	83	84	75	68	59	55	51	51	49	-8.5	324
331	Wood products ..... c/	94	114	125	130	141	149	155	153	150	5.2	331
332	Furniture, fixtures	101	114	127	128	133	142	147	149	150	5.2	332
341	Paper and products	100	109	115	116	124	131	135	135	138	4.1	341
3411	Pulp,paper etc.	97	106	111	109	115	120	123	124	127	3.0	3411
342	Printing,publishing	103	109	122	124	132	142	146	154	158	5.9	342
351	Industrial chemicals ...	88	102	108	112	117	128	131	136	137	4.0	351
3511	Basic excl fertilizers	90	96	101	100	99	104	102	111	114	1.7	3511
3513	Synthetic resins etc .	100	118	124	122	128	140	146	144	149	5.1	3513
352	Other chemical products. c/	102	106	112	118	125	128	138	141	145	4.8	352
3522	Drugs and medicines ..	103	108	109	111	121	125	134	135	143	4.6	3522
353	Petroleum refineries ..	92	90	93	93	99	100	103	103	104	0.5	353
354	Petroleum,coal products.	88	94	94	91	100	100	112	136	144	4.7	354
355	Rubber products	101	110	125	123	123	133	141	147	148	5.0	355
356	Plastic products n.e.c..	99	116	132	137	144	156	165	168	171	6.9	356
361	Pottery,china etc ..... d/	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	95	94	98	95	99	100	100	100	101	0.1	362
369	Non-metal products n.e.c d/	85	98	110	114	117	117	123	122	119	2.2	369
371	Iron and steel	67	77	86	83	74	83	94	91	91	-1.2	371
372	Non-ferrous metals	83	92	102	102	100	104	110	114	111	1.3	372
381	Metal products	86	90	102	107	108	111	118	119	117	2.0	381
382	Machinery n.e.c. ..... e/	92	92	112	115	114	120	136	146	151	5.3	382
3825	Office,computing etc..	153	214	321	395	442	532	644	730	792	29.5	3825
383	Electrical machinery ...	98	107	126	123	121	126	134	138	140	4.3	383
3832	Radio,television etc..	87	117	139	125	130	134	134	143	143	4.6	3832
384	Transport equipment	90	101	118	127	132	134	141	144	141	4.4	384
3841	Shipbuilding, repair..	99	84	87	84	80	82	86	85	83	-2.3	3841
3843	Motor vehicles	88	111	135	148	147	149	157	156	144	4.7	3843
385	Professional goods ..... e/	95	93	102	104	104	107	118	125	125	2.8	385
390	Other industries ..... c/	92	99	100	98	103	105	113	121	126	2.9	390
3	Manufacturing	97	103	113	116	120	127	134	138	139	4.2	3
410	Electricity,gas,steam ..	100	102	108	108	106	107	113	116	116	1.9	410
4101	Electricity	100	103	108	111	112	117	122	126	129	3.2	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	97	101	110	112	113	119	125	128	130	3.3	2-4

a/ Annual growth rate 1982-1990.
b/ Manufacture of leather gloves is included in major group 323.
c/ Dressing and dyeing of furs, mortician's goods, matches and candles are included in major group 390.
d/ Major group 361 is included in 369.
e/ Manufacture of electrical measuring instruments is included in major group 382.

URUGUAY

The information in the tables, except for the indices, is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Dirección General de Estadística y Censos, Secretaría de Planeamiento, Coordinación y Difusión, Montevideo.

The data in the tables are derived from the annual survey of manufacturing industries conducted by the Dirección General de Estadística y Censos. The data cover establishments with 5 or more persons engaged. Data have been adjusted for non-response.

The national classification system follows the present version of ISIC. The concepts and definitions are generally in accordance with United Nations standards. The valuation of output and value added is in producer's prices.

The indices of industrial production are compiled by the Departamento de Investigaciones Económicas del Banco Central del Uruguay and provided in response to the United Nations Questionnaire on Indices of Industrial Production. The indices cover, in principle, all industrial estblishments with a gross value of output of more than 20,000 pesos in 1956.

Related national publication:

Encuesta Anual de Producción, Sector Industrial (annual), published by the Direccion General de Estadística y Censos, Secretaría de Planeamiento, Coordinación y Difusión, Montevideo.

ISIC	INDUSTRY	1. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					2. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION NEW PESOS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	36.3	35.2	...	...	...	15520	26197	...	...	...	311/2
313	Beverages	5.6	5.7	...	...	...	3790	6914	...	...	...	313
314	Tobacco	0.7	0.6	...	...	...	649	1085	...	...	...	314
321	Textiles	17.8	18.0	...	...	...	8345	14786	...	...	...	321
3211	Spinning,weaving etc..	13.7	13.9	...	...	...	6995	...	...	...	...	3211
322	Wearing apparel	10.1	11.0	...	...	...	3276	6418	...	...	...	322
323	Leather and products ...	5.6	6.0	...	...	...	2815	5000	...	...	...	323
324	Footwear	2.6	2.6	...	...	...	666	1174	...	...	...	324
331	Wood products	2.1	2.4	...	...	...	620	1062	...	...	...	331
332	Furniture, fixtures	0.6	0.7	...	...	...	162	335	...	...	...	332
341	Paper and products	3.8	4.1	...	...	...	2148	3961	...	...	...	341
3411	Pulp,paper etc.	2.0	2.3	...	...	...	1389	2534	...	...	...	3411
342	Printing,publishing	4.7	4.8	...	...	...	2616	4306	...	...	...	342
351	Industrial chemicals ...	1.6	1.7	...	...	...	1239	2317	...	...	...	351
3511	Basic excl fertilizers	0.9	0.9	...	...	...	711	1242	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	71	...	...	...	...	3513
352	Other chemical products.	6.7	7.0	...	...	...	5361	9940	...	...	...	352
3522	Drugs and medicines ..	3.1	3.2	...	...	...	3105	5364	...	...	...	3522
353	Petroleum refineries ...	[1.6	1.6]	...	...	...	[1058	1774]	...	...	...	353
354	Petroleum,coal products.			...	...	...			...	...	...	354
355	Rubber products	2.7	2.8	...	...	...	1988	3894	...	...	...	355
356	Plastic products n.e.c..	3.5	3.9	...	...	...	1438	2922	...	...	...	356
361	Pottery,china etc	1.3	1.6	...	...	...	712	1431	...	...	...	361
362	Glass and products	1.3	1.3	...	...	...	822	1513	...	...	...	362
369	Non-metal products n.e.c	2.8	3.1	...	...	...	1465	2749	...	...	...	369
371	Iron and steel	0.9	0.9	...	...	...	460	847	...	...	...	371
372	Non-ferrous metals	0.3	0.3	...	...	...	112	210	...	...	...	372
381	Metal products	5.5	5.7	...	...	...	2223	4292	...	...	...	381
382	Machinery n.e.c.	1.2	1.1	...	...	...	616	1158	...	...	...	382
3825	Office,computing etc..	0.1	0.1	...	...	...	...	157	...	...	...	3825
383	Electrical machinery ...	3.2	3.7	...	...	...	1649	3337	...	...	...	383
3832	Radio,television etc..	0.2	0.3	...	...	...	72	223	...	...	...	3832
384	Transport equipment	2.7	3.5	...	...	...	2480	4350	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	2.0	2.6	...	...	...	1965	3425	...	...	...	3843
385	Professional goods	0.2	0.2	...	...	...	59	118	...	...	...	385
390	Other industries	1.1	1.2	...	...	...	387	735	...	...	...	390
3	Manufacturing	126.7	131.0	...	...	...	62676	113064	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.

URUGUAY

ISIC	INDUSTRY	3. AVERAGE NUMBER OF OPERATIVES a/ (THOUSANDS)					4. WAGES AND SALARIES OF OPERATIVES a/ (MILLION NEW PESOS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	28.9	27.9	...	...	...	10126	16728	...	...	...	311/2
313	Beverages	3.7	3.8	...	...	...	2016	3748	...	...	...	313
314	Tobacco	0.5	0.4	...	...	...	314	520	...	...	...	314
321	Textiles	14.9	14.9	...	...	...	5718	9834	...	...	...	321
3211	Spinning,weaving etc..	11.6	11.7	...	...	...	4845	8354	...	...	...	3211
322	Wearing apparel	8.8	9.7	...	...	...	2436	4968	...	...	...	322
323	Leather and products ...	4.8	5.2	...	...	...	2223	3960	...	...	...	323
324	Footwear	2.4	2.4	...	...	...	546	961	...	...	...	324
331	Wood products	1.7	2.0	...	...	...	434	789	...	...	...	331
332	Furniture, fixtures	0.5	0.6	...	...	...	111	251	...	...	...	332
341	Paper and products	3.1	3.3	...	...	...	1445	2618	...	...	...	341
3411	Pulp,paper etc.	1.7	1.9	...	...	...	931	1668	...	...	...	3411
342	Printing,publishing	2.6	2.6	...	...	...	1038	1932	...	...	...	342
351	Industrial chemicals ...	1.0	1.1	...	...	...	574	1128	...	...	...	351
3511	Basic excl fertilizers	0.6	0.6	...	...	...	330	573	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	55	...	...	...	...	3513
352	Other chemical products.	3.3	3.5	...	...	...	1674	3201	...	...	...	352
3522	Drugs and medicines ..	1.4	1.4	...	...	...	766	1397	...	...	...	3522
353	Petroleum refineries ...	[1.2	1.1]	...	...	...	[724	1217]	...	...	...	353
354	Petroleum,coal products.			...	...	...			...	...	...	354
355	Rubber products	...	1.9	...	...	...	1035	2125	...	...	...	355
356	Plastic products n.e.c..	2.8	3.2	...	...	...	914	1965	...	...	...	356
361	Pottery,china etc	1.0	1.3	...	...	...	390	810	...	...	...	361
362	Glass and products	1.0	1.1	...	...	...	565	1106	...	...	...	362
369	Non-metal products n.e.c	2.1	2.4	...	...	...	941	1839	...	...	...	369
371	Iron and steel	0.7	0.7	...	...	...	271	501	...	...	...	371
372	Non-ferrous metals	0.2	0.2	...	...	...	73	139	...	...	...	372
381	Metal products	4.3	4.6	...	...	...	1392	2761	...	...	...	381
382	Machinery n.e.c.	0.8	0.8	...	...	...	377	712	...	...	...	382
3825	Office,computing etc..	...	-	...	...	...	52	100	...	...	...	3825
383	Electrical machinery ...	2.5	3.0	...	...	...	996	2080	...	...	...	383
3832	Radio,television etc..	0.1	0.3	...	...	...	47	170	...	...	...	3832
384	Transport equipment	1.9	2.6	...	...	...	1262	2427	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	1.4	2.0	...	...	...	998	1906	...	...	...	3843
385	Professional goods	0.2	0 2	...	...	...	47	98	...	...	...	385
390	Other industries	0.8	0.9	...	...	...	246	459	...	...	...	390
3	Manufacturing	98.0	101.6	...	...	...	37888	68974	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.

ISIC	INDUSTRY	5. HOURS WORKED BY OPERATIVES a/ (MILLIONS)					6. OUTPUT IN PRODUCERS' PRICES a/ (MILLION NEW PESOS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	56.8	54.6	...	...	...	146369	236440	...	...	...	311/2
313	Beverages	8.0	8.0	...	...	...	31687	57833	...	...	...	313
314	Tobacco	0.8	0.9	...	...	...	14482	23857	...	...	...	314
321	Textiles	31.7	30.2	...	...	...	55782	103043	...	...	...	321
3211	Spinning,weaving etc..	25.0	24.0	...	...	...	47268	88378	...	...	...	3211
322	Wearing apparel	17.4	19.8	...	...	...	20864	38650	...	...	...	322
323	Leather and products ...	11.4	12.2	...	...	...	25185	51956	...	...	...	323
324	Footwear	4.6	4.8	...	...	...	5403	8621	...	...	...	324
331	Wood products	2.8	3.3	...	...	...	3259	5213	...	...	...	331
332	Furniture, fixtures	0.9	1.0	...	...	...	1057	1828	...	...	...	332
341	Paper and products	6.8	7.2	...	...	...	18368	34105	...	...	...	341
3411	Pulp,paper etc.	3.9	4.1	...	...	...	11419	22296	...	...	...	3411
342	Printing,publishing	5.5	5.5	...	...	...	10046	19558	...	...	...	342
351	Industrial chemicals ...	2.4	2.7	...	...	...	12501	25680	...	...	...	351
3511	Basic excl fertilizers	1.5	1.4	...	...	...	5066	8079	...	...	...	3511
3513	Synthetic resins etc .	0.2	...	...	...	...	1188	...	...	...	...	3513
352	Other chemical products.	7.0	7.5	...	...	...	37926	65019	...	...	...	352
3522	Drugs and medicines ..	2.8	3.0	...	...	...	17937	28891	...	...	...	3522
353	Petroleum refineries ...	[2.6	2.6]	...	...	...	[63713	111804]	...	...	...	353
354	Petroleum,coal products.			...	...	...			...	...	...	354
355	Rubber products	3.9	4.1	...	...	...	11896	22010	...	...	...	355
356	Plastic products n.e.c..	6.1	7.1	...	...	...	9974	18481	...	...	...	356
361	Pottery,china etc	2.3	2.8	...	...	...	3847	6753	...	...	...	361
362	Glass and products	2.3	2.5	...	...	...	4386	8611	...	...	...	362
369	Non-metal products n.e.c	4.4	5.1	...	...	...	7921	16036	...	...	...	369
371	Iron and steel	1.4	1.5	...	...	...	4699	8533	...	...	...	371
372	Non-ferrous metals	0.4	0.5	...	...	...	1000	2000	...	...	...	372
381	Metal products	8.4	9.2	...	...	...	12236	25359	...	...	...	381
382	Machinery n.e.c.	1.6	1.7	...	...	...	2403	4574	...	...	...	382
3825	Office,computing etc..	0.2	0.2	...	...	...	...	474	...	...	...	3825
383	Electrical machinery ...	5.3	6.2	...	...	...	12091	27021	...	...	...	383
3832	Radio,television etc..	0.3	0.6	...	...	...	1926	5802	...	...	...	3832
384	Transport equipment	4.3	6.2	...	...	...	24693	58687	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	3.3	4.8	...	...	...	19422	46587	...	...	...	3843
385	Professional goods	0.3	0.3	...	...	...	411	635	...	...	...	385
390	Other industries	1.7	1.8	...	...	...	1593	2670	...	...	...	390
3	Manufacturing	201.5	209.3	...	...	...	543792	987407	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.

URUGUAY

7. VALUE ADDED IN PRODUCERS' PRICES a/b/
(MILLION NEW PESOS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	290
2	Mining, quarrying	...	...	...	...	...	2
311/2	Food products	42604	73085	...	...	...	311/2
313	Beverages	17718	33906	...	...	...	313
314	Tobacco	12195	19829	...	...	...	314
321	Textiles	26912	47375	...	...	...	321
3211	Spinning,weaving etc.	23092	40194	...	...	...	3211
322	Wearing apparel	7927	14574	...	...	...	322
323	Leather and products	9019	18000	...	...	...	323
324	Footwear	2247	3980	...	...	...	324
331	Wood products	1576	2258	...	...	...	331
332	Furniture, fixtures	551	994	...	...	...	332
341	Paper and products	9209	15729	...	...	...	341
3411	Pulp,paper etc.	6534	12112	...	...	...	3411
342	Printing,publishing	4891	9770	...	...	...	342
351	Industrial chemicals	4823	9080	...	...	...	351
3511	Basic excl fertilizers	2733	4217	...	...	...	3511
3513	Synthetic resins etc	458	...	...	...	...	3513
352	Other chemical products	19346	31243	...	...	...	352
3522	Drugs and medicines	9848	15625	...	...	...	3522
353	Petroleum refineries	[38082	47053]	...	...	...	353
354	Petroleum,coal products			...	...	...	354
355	Rubber products	7757	13815	...	...	...	355
356	Plastic products n.e.c.	5036	9521	...	...	...	356
361	Pottery,china etc	2355	3644	...	...	...	361
362	Glass and products	2575	5970	...	...	...	362
369	Non-metal products n.e.c	3970	8009	...	...	...	369
371	Iron and steel	2020	3833	...	...	...	371
372	Non-ferrous metals	517	832	...	...	...	372
381	Metal products	6767	14586	...	...	...	381
382	Machinery n.e.c.	1706	3378	...	...	...	382
3825	Office,computing etc.	312	342	...	...	...	3825
383	Electrical machinery	6815	13624	...	...	...	383
3832	Radio,television etc.	1038	2152	...	...	...	3832
384	Transport equipment	12029	32641	...	...	...	384
3841	Shipbuilding, repair	...	...	...	...	...	3841
3843	Motor vehicles	9396	26051	...	...	...	3843
385	Professional goods	299	410	...	...	...	385
390	Other industries	989	1642	...	...	...	390
3	Manufacturing	249935	439428	...	...	...	3
410	Electricity,gas,steam	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	4101
420	Water works and supply	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.

b/ Net of non-industrial costs.

8. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	106	103	94	104	103	100	107	110	108	1.0	311/2
313	Beverages	94	79	72	74	84	91	87	90	90	-1.3	313
314	Tobacco	101	79	86	82	82	91	93	100	94	-0.8	314
321	Textiles	53	71	86	85	99	106	101	96	100	0.0	321
3211	Spinning,weaving etc.	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ... b/	58	70	82	72	82	89	75	83	64	-5.4	322
323	Leather and products	94	108	104	87	93	97	84	100	89	-1.4	323
324	Footwear ... b/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	...	...	...	...	...	...	...	...	...	...	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	71	71	87	80	99	102	99	94	94	-0.8	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	88	74	71	72	74	84	72	68	66	-5.1	342
351	Industrial chemicals ... c/	80	70	76	76	94	110	114	115	115	1.8	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. c/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries	[95	78	79	74	67	78	79	77	83	-2.3]	353
354	Petroleum,coal products.											354
355	Rubber products	35	43	49	47	59	66	68	60	64	-5.4	355
356	Plastic products n.e.c. d/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	[									]	361
362	Glass and products	64	50	50	46	58	77	75	80	84	-2.2	362
369	Non-metal products n.e.c										]	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	65	52	52	54	66	79	70	66	66	-5.1	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc.	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery	66	35	44	44	55	68	60	56	52	-7.8	383
3832	Radio,television etc.	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	49	36	43	46	62	96	85	75	77	-3.2	384
3841	Shipbuilding, repair	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods d/	[65	61	67	69	82	94	78	77	76	-3.4]	385
390	Other industries											390
3	Manufacturing e/	79	70	76	75	84	93	91	89	98	-0.3	3
410	Electricity,gas,steam	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc.	107	109	108	112	116	135	145	127	118	2.1	4
2-4	All industry f/	81	76	78	77	86	96	94	91	109	1.1	2-4

a/ Annual growth rate 1982-1990.
b/ Major group 324 is included in 322.
c/ Major group 352 is included in 351.
d/ Major group 356 is included in 385 and 390 combined.
e/ Including mining.
f/ Excluding electricity, gas and water.

VENEZUELA

The information in the tables, except for the index numbers, is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Oficina Central de Estadística e Informática (OCEI), Presidencia de la República, Caracas.

The data are derived from the annual Industrial Survey conducted by the OCEI. The Survey covers establishments with 5 or more persons engaged during the reference period, and is conducted through field visits. Establishments with more than 50 persons engaged are completely enumerated. Sampling is used for the smaller establishments. Data have been adjusted for non-response.

The national industrial classification scheme follows the present version of the ISIC. The concepts and definitions used in reporting the data are generally in conformity with the United Nations standards, although the following points should be noted:

Wages paid to operatives exclude payments for overtime or night work, commissions, bonuses and gratuities. The data on these payments are not available separately for operatives and other employees;

Both output and value added exclude goods bought and resold without further processing. The valuation of both is at producers' prices.

The index numbers of industrial production are compiled by the Banco Central de Venezuela and are provided in response to the United Nations Indices of Industrial Production Questionnaire.

Related national publications:

Anuario Estadístico; Encuesta Industrial (annual), both published by the Oficina Central de Estadística e Informática, Presidencia de la República (OCEI), Caracas.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	2391	2423	2438	2398	2410	79.5	84.2	85.9	82.0	83.0	311/2
313	Beverages	125	119	117	120	113	14.4	14.1	15.5	16.1	16.0	313
314	Tobacco	36	31	37	33	33	3.6	3.4	3.3	3.3	3.3	314
321	Textiles	220	220	217	214	219	25.5	27.8	29.7	27.1	25.1	321
3211	Spinning,weaving etc..	136	145	133	137	144	21.5	23.9	25.4	23.6	21.7	3211
322	Wearing apparel	957	981	955	901	873	29.8	31.5	32.1	28.7	28.5	322
323	Leather and products ...	114	105	113	111	108	4.0	3.8	4.5	4.0	4.1	323
324	Footwear	576	615	572	543	526	15.4	16.9	18.3	15.3	16.2	324
331	Wood products	287	282	303	287	265	6.8	7.2	7.8	7.7	7.0	331
332	Furniture, fixtures	848	856	816	781	779	13.4	14.0	13.3	12.3	12.3	332
341	Paper and products	93	101	102	107	109	11.5	12.9	13.5	12.4	13.3	341
3411	Pulp,paper etc.	35	35	35	33	32	7.3	7.7	7.9	7.6	8.0	3411
342	Printing,publishing	616	623	666	635	633	16.4	17.7	18.9	18.4	18.6	342
351	Industrial chemicals ...	110	110	102	115	112	10.5	11.2	11.7	11.8	12.3	351
3511	Basic excl fertilizers	64	67	63	69	74	4.3	5.1	5.3	5.5	6.1	3511
3513	Synthetic resins etc .	33	32	27	32	24	2.7	2.7	2.8	2.8	2.6	3513
352	Other chemical products.	289	295	288	295	291	25.9	26.9	27.4	27.4	28.1	352
3522	Drugs and medicines ..	70	72	69	72	74	7.8	8.4	8.4	8.6	8.8	3522
353	Petroleum refineries ...	14	13	14	14	14	6.7	6.6	6.9	7.2	7.1	353
354	Petroleum,coal products.	16	14	17	22	26	0.9	0.5	0.6	0.9	1.1	354
355	Rubber products	54	56	48	44	52	5.8	5.9	6.1	5.5	6.0	355
356	Plastic products n.e.c..	423	433	404	403	424	20.1	22.2	23.1	22.0	21.4	356
361	Pottery,china etc	28	29	30	34	30	2.5	2.6	2.6	1.9	2.3	361
362	Glass and products	90	88	84	76	78	6.3	6.4	7.0	6.2	6.2	362
369	Non-metal products n.e.c	498	490	543	497	488	19.5	20.2	23.1	22.2	21.1	369
371	Iron and steel	136	152	152	144	150	26.0	28.9	30.4	29.9	27.1	371
372	Non-ferrous metals	82	90	86	96	97	9.9	11.8	13.1	14.9	15.1	372
381	Metal products	1131	1149	1163	1126	1162	28.5	32.1	34.8	33.0	34.5	381
382	Machinery n.e.c.	240	244	252	266	278	11.3	13.2	14.1	13.8	14.3	382
3825	Office,computing etc..	-	-	-	13	13	-	-	-	0.2	0.2	3825
383	Electrical machinery ...	219	234	235	216	239	15.4	18.2	19.4	19.0	16.6	383
3832	Radio,television etc..	54	52	52	43	41	4.0	4.7	5.7	4.5	3.4	3832
384	Transport equipment	248	251	264	251	246	20.4	21.9	23.6	17.2	16.6	384
3841	Shipbuilding, repair..	19	17	17	16	18	0.9	0.8	0.9	0.9	0.9	3841
3843	Motor vehicles	206	210	225	210	208	18.8	20.5	22.0	15.6	15.1	3843
385	Professional goods	47	52	47	53	53	2.2	2.2	2.4	2.5	2.8	385
390	Other industries	175	179	173	167	170	5.3	6.3	6.4	5.9	6.0	390
3	Manufacturing	10063	10235	10238	9949	9978	437.6	472.1	497.0	469.5	466.7	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.

VENEZUELA

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION BOLIVARES)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	74.7	83.4	85.1	80.9	82.3	4631	5961	7505	10725	13503	311/2
313	Beverages	14.0	14.1	15.5	16.0	16.0	1253	1575	1829	2878	3609	313
314	Tobacco	3.5	3.4	3.3	3.3	3.3	340	644	750	881	1080	314
321	Textiles	25.0	27.8	29.7	27.1	25.1	1550	2171	3010	4016	4633	321
3211	Spinning,weaving etc..	21.1	23.9	25.0	23.6	21.7	1365	1932	2693	3618	4144	3211
322	Wearing apparel	28.3	31.4	32.1	28.6	28.4	1424	1814	2395	2868	3547	322
323	Leather and products ...	3.8	3.7	4.5	4.0	4.1	176	213	287	376	542	323
324	Footwear	14.6	16.8	18.2	15.2	16.1	668	871	1144	1366	1803	324
331	Wood products	6.4	7.1	7.7	7.7	6.8	302	371	510	719	737	331
332	Furniture, fixtures	12.1	13.8	13.2	12.2	12.2	582	729	854	1134	1312	332
341	Paper and products	11.2	12.9	13.5	12.4	13.3	846	1207	1524	2382	3373	341
3411	Pulp,paper etc.	7.1	7.7	7.9	7.6	8.0	563	796	979	1582	2306	3411
342	Printing,publishing	15.3	17.6	18.8	18.3	18.5	1165	1488	2012	2782	3495	342
351	Industrial chemicals ...	10.1	11.2	11.7	11.8	12.3	1098	1409	1934	2891	3475	351
3511	Basic excl fertilizers	4.2	5.1	5.3	5.5	6.1	472	695	938	1265	1629	3511
3513	Synthetic resins etc .	2.6	2.7	2.8	2.8	2.6	281	322	540	728	859	3513
352	Other chemical products.	24.7	26.9	27.4	27.4	28.1	2487	3152	4001	5423	7626	352
3522	Drugs and medicines ..	7.4	8.4	8.4	8.6	8.8	793	1027	1225	1808	2683	3522
353	Petroleum refineries ...	6.7	6.6	6.9	7.2	7.1	974	1277	1506	1902	2862	353
354	Petroleum,coal products.	0.9	0.5	0.6	0.9	1.1	76	40	60	118	191	354
355	Rubber products	5.6	5.9	6.1	5.5	5.9	616	828	924	1272	1534	355
356	Plastic products n.e.c..	19.2	22.2	23.1	22.0	21.4	1122	1557	2060	2723	3369	356
361	Pottery,china etc	2.5	2.6	2.6	1.9	2.3	162	208	240	230	455	361
362	Glass and products	6.1	6.4	7.0	6.2	6.2	456	594	788	948	1193	362
369	Non-metal products n.e.c	18.5	20.1	23.0	22.1	21.0	1233	1536	2253	2925	3988	369
371	Iron and steel	25.7	28.9	30.4	29.9	27.1	2432	3257	4806	7419	9705	371
372	Non-ferrous metals	9.6	11.8	13.1	14.9	15.1	816	1622	1650	2487	4170	372
381	Metal products	26.5	32.0	34.7	32.9	34.4	1590	2100	2785	3891	5160	381
382	Machinery n.e.c.	10.7	13.2	14.1	13.8	14.3	704	932	1247	2015	2360	382
3825	Office,computing etc..	-	-	-	0.2	0.2	-	-	-	21	48	3825
383	Electrical machinery ...	14.8	18.2	19.4	19.0	16.6	1053	1481	2020	2996	3356	383
3832	Radio,television etc..	3.9	4.7	5.7	4.5	3.4	266	372	549	624	684	3832
384	Transport equipment	19.6	21.9	23.6	17.2	16.6	1597	1934	2635	2803	3460	384
3841	Shipbuilding, repair..	0.9	0.8	0.9	0.9	0.9	61	56	83	97	136	3841
3843	Motor vehicles	18.0	20.4	22.0	15.6	15.1	1515	1848	2517	2648	3271	3843
385	Professional goods	2.1	2.2	2.4	2.5	2.8	172	231	301	376	602	385
390	Other industries	5.0	6.2	6.4	5.9	6.0	288	421	546	676	865	390
3	Manufacturing	417.4	468.8	495.5	468.2	465.4	29812	39637	51576	71234	92016	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.

ISIC	INDUSTRY	5. SUPPLEMENTS TO WAGES AND SALARIES a/ (MILLION BOLIVARES)					6. AVERAGE NUMBER OF OPERATIVES a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	252	369	372	835	1169	57.4	60.6	61.9	58.0	60.1	311/2
313	Beverages	88	103	120	164	246	8.5	8.1	8.4	8.5	8.1	313
314	Tobacco	14	11	11	25	61	1.6	1.5	1.3	1.2	1.2	314
321	Textiles	113	171	202	244	448	21.4	23.2	24.7	22.3	20.0	321
3211	Spinning,weaving etc..	100	148	176	219	399	18.0	20.0	21.1	19.4	17.1	3211
322	Wearing apparel	90	118	127	168	298	24.9	26.5	26.8	23.7	23.3	322
323	Leather and products ...	10	10	11	21	36	3.4	3.2	3.8	3.4	3.4	323
324	Footwear	42	54	63	73	147	13.3	14.7	16.0	13.0	13.9	324
331	Wood products	20	23	34	48	61	5.7	5.9	6.4	6.3	5.6	331
332	Furniture, fixtures	38	46	55	81	108	10.8	11.4	10.7	9.8	10.0	332
341	Paper and products	113	110	109	179	260	8.3	9.4	9.8	8.6	9.3	341
3411	Pulp,paper etc.	97	80	69	106	154	5.2	5.5	5.7	5.2	5.5	3411
342	Printing,publishing	66	89	123	175	306	10.3	11.1	11.9	11.3	11.4	342
351	Industrial chemicals ...	111	173	228	368	528	5.2	5.5	5.4	5.0	5.3	351
3511	Basic excl fertilizers	45	73	110	154	222	2.1	2.5	2.5	2.4	2.9	3511
3513	Synthetic resins etc .	22	29	44	127	210	1.5	1.4	1.3	1.2	1.0	3513
352	Other chemical products.	171	192	277	372	609	12.9	13.3	13.9	13.1	13.9	352
3522	Drugs and medicines ..	61	56	65	121	193	3.8	4.1	4.1	3.8	4.0	3522
353	Petroleum refineries ...	39	58	99	651	1196	3.2	3.0	3.1	3.2	3.0	353
354	Petroleum,coal products.	4	2	3	6	19	0.7	0.3	0.5	0.6	0.7	354
355	Rubber products	23	20	21	45	91	4.5	4.5	4.8	4.2	4.4	355
356	Plastic products n.e.c..	73	91	126	217	299	15.7	17.0	17.8	16.6	16.1	356
361	Pottery,china etc	10	20	27	17	41	2.0	2.0	2.0	1.6	1.7	361
362	Glass and products	19	32	34	69	101	5.0	5.1	5.6	4.7	4.7	362
369	Non-metal products n.e.c	132	188	179	262	380	14.4	14.8	17.1	16.3	15.2	369
371	Iron and steel	206	175	350	331	559	16.1	17.9	18.4	17.5	16.2	371
372	Non-ferrous metals	25	135	318	293	747	5.8	6.6	7.2	7.5	7.6	372
381	Metal products	117	154	197	290	510	21.6	24.4	26.4	24.7	26.0	381
382	Machinery n.e.c.	44	58	90	116	178	8.0	9.6	10.2	10.0	10.2	382
3825	Office,computing etc..	-	-	...	1	3	-	-	-	-	0.2	3825
383	Electrical machinery ...	96	106	150	236	295	10.6	12.5	13.3	12.0	10.5	383
3832	Radio,television etc..	23	28	52	73	55	2.7	3.1	3.9	3.0	2.0	3832
384	Transport equipment	142	201	204	204	478	14.8	15.8	17.2	12.0	11.8	384
3841	Shipbuilding, repair..	4	4	7	5	13	0.8	0.6	0.7	0.7	0.7	3841
3843	Motor vehicles	136	196	194	197	462	13.6	14.6	15.9	10.8	10.7	3843
385	Professional goods	8	7	14	12	27	1.4	1.3	1.5	1.6	1.8	385
390	Other industries	17	46	25	42	83	4.0	4.2	4.2	3.8	3.8	390
3	Manufacturing	2084	2776	3574	5555	9290	311.4	334.3	351.6	321.5	320.0	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.

VENEZUELA

ISIC	INDUSTRY	7. WAGES AND SALARIES OF OPERATIVES a/b/ (MILLION BOLIVARES)					8. QUANTITY OF ELECTRICITY CONSUMED a/ (MILLION KWH)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	..	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	1609	1983	2443	3540	4826	1134	1288	1080	1527	2238	311/2
313	Beverages	264	317	351	545	788	231	357	226	248	3902	313
314	Tobacco	79	80	93	118	136	25	32	18	33	39	314
321	Textiles	687	880	1193	1651	1962	423	1111	560	408	2421	321
3211	Spinning,weaving etc..	597	779	1048	1480	1734	386	1073	528	369	2379	3211
322	Wearing apparel	690	841	1073	1360	1662	75	69	63	71	127	322
323	Leather and products ...	91	104	140	187	255	25	20	24	27	43	323
324	Footwear	357	454	582	685	922	30	42	48	43	50	324
331	Wood products	153	183	240	359	369	64	54	66	65	56	331
332	Furniture, fixtures	310	380	437	608	700	40	41	39	59	57	332
341	Paper and products	285	391	457	778	899	402	510	564	263	301	341
3411	Pulp,paper etc.	194	251	278	537	573	374	462	524	228	233	3411
342	Printing,publishing	419	469	624	842	1035	86	102	104	129	114	342
351	Industrial chemicals ...	233	229	329	422	524	929	810	695	1457	1514	351
3511	Basic excl fertilizers	109	104	166	226	293	454	438	277	685	792	3511
3513	Synthetic resins etc .	59	56	73	94	114	213	205	163	209	132	3513
352	Other chemical products.	470	566	716	961	1363	138	169	162	868	210	352
3522	Drugs and medicines ..	150	183	216	315	420	44	44	49	56	64	3522
353	Petroleum refineries ...	152	195	174	281	494	9874	490	184	232	617	353
354	Petroleum,coal products.	23	14	23	43	70	3	3	58	9	110	354
355	Rubber products	211	287	240	440	400	96	163	154	114	112	355
356	Plastic products n.e.c..	421	580	763	1022	1271	287	335	394	396	508	356
361	Pottery,china etc	49	62	92	101	161	32	31	37	20	139	361
362	Glass and products	158	195	267	326	424	114	151	158	94	150	362
369	Non-metal products n.e.c	475	544	775	1131	1359	820	1386	868	622	687	369
371	Iron and steel	540	678	809	1665	1490	182	6185	5754	5842	5579	371
372	Non-ferrous metals	224	458	331	433	748	1014	5976	7981	10224	10210	372
381	Metal products	667	844	1111	1624	2100	230	263	308	278	422	381
382	Machinery n.e.c.	252	329	438	675	801	68	80	84	112	186	382
3825	Office,computing etc..	-	-	-	8	14	-	-	-	...	3	3825
383	Electrical machinery ...	335	453	586	817	900	111	136	137	147	888	383
3832	Radio,television etc..	74	91	146	162	189	16	24	25	20	43	3832
384	Transport equipment	486	593	758	767	1035	194	613	179	160	457	384
3841	Shipbuilding, repair..	37	28	38	46	54	3	2	3	3	3	3841
3843	Motor vehicles	437	550	705	694	957	188	608	173	154	451	3843
385	Professional goods	41	44	64	98	147	12	15	17	9	23	385
390	Other industries	108	128	154	223	302	23	28	28	39	44	390
3	Manufacturing	9794	12287	15273	21709	27154	16662	20464	20005	23505	31212	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.
b/ Excluding payments for overtime or night work, commissions and bonuses and gratuities.

ISIC	INDUSTRY	9. OUTPUT IN PRODUCERS' PRICES a/b/ (BILLION BOLIVARES)					10. VALUE ADDED IN PRODUCERS' PRICES a/b/ (MILLION BOLIVARES)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	47.3	61.1	78.9	127.6	185.1	13141	17054	21782	36476	56737	311/2
313	Beverages	11.9	16.0	21.2	30.9	44.6	7185	9647	12507	19123	27350	313
314	Tobacco	5.8	6.8	8.4	13.4	16.3	4860	5606	6887	10747	12826	314
321	Textiles	9.7	14.6	21.1	27.4	33.4	4237	6356	8368	11984	13658	321
3211	Spinning,weaving etc..	8.3	12.8	18.6	24.9	29.8	3797	5640	7468	10997	12480	3211
322	Wearing apparel	7.8	10.9	14.7	16.1	20.1	3232	4008	5370	6157	7487	322
323	Leather and products ...	1.7	2.7	4.1	4.5	6.0	521	659	946	1176	1852	323
324	Footwear	3.5	5.6	7.5	8.7	12.7	1334	1877	2492	2990	4210	324
331	Wood products	1.6	2.4	3.8	4.2	4.2	661	914	1462	1742	1698	331
332	Furniture, fixtures	2.9	4.0	4.9	6.2	7.7	1136	1534	1797	2481	3037	332
341	Paper and products	6.8	11.0	14.0	24.0	34.6	2766	3961	5203	8794	12982	341
3411	Pulp,paper etc.	4.9	7.4	8.9	15.7	24.1	2121	2922	3373	5674	9459	3411
342	Printing,publishing	5.1	7.8	11.3	17.6	23.1	2433	3807	4841	7398	8554	342
351	Industrial chemicals ...	10.2	15.5	19.9	33.0	48.8	4514	7069	7912	14496	20792	351
3511	Basic excl fertilizers	3.5	5.6	6.8	13.0	18.2	1763	3076	3358	5266	8854	3511
3513	Synthetic resins etc .	3.7	6.1	8.2	12.7	18.0	1491	2369	3003	6162	6479	3513
352	Other chemical products.	14.4	20.9	27.9	40.6	60.1	7611	11128	13885	21041	31046	352
3522	Drugs and medicines ..	3.7	5.5	7.0	11.4	17.7	2143	3020	3486	6010	10279	3522
353	Petroleum refineries ...	32.4	43.1	47.5	145.3	274.9	18644	28277	19625	88985	222042	353
354	Petroleum,coal products.	0.7	0.4	0.5	1.2	1.8	253	169	225	604	899	354
355	Rubber products	3.1	4.7	6.0	8.5	13.6	1618	2326	3155	3516	6518	355
356	Plastic products n.e.c..	7.1	11.3	15.9	21.3	25.6	3100	4590	6222	8315	10078	356
361	Pottery,china etc	0.6	0.8	1.1	1.4	1.5	429	575	731	985	843	361
362	Glass and products	2.2	3.2	4.1	6.1	8.9	1266	1853	2241	3326	5124	362
369	Non-metal products n.e.c	6.9	9.3	13.1	18.6	25.9	3711	4739	6251	9446	13614	369
371	Iron and steel	17.3	25.5	29.6	47.8	68.7	9262	12218	13502	19331	23378	371
372	Non-ferrous metals	8.7	16.2	20.7	51.4	75.9	4390	6235	8920	25310	36942	372
381	Metal products	11.1	16.2	21.9	33.1	44.4	4323	6330	8230	13114	15770	381
382	Machinery n.e.c.	4.2	7.4	12.1	16.6	20.0	1729	3095	4837	7609	8450	382
3825	Office,computing etc..	-	-	-	0.1	0.3	-	-	-	62	187	3825
383	Electrical machinery ...	7.1	11.3	17.5	24.0	27.8	2994	5201	7417	10894	11506	383
3832	Radio,television etc..	1.8	2.9	4.9	5.3	5.6	724	1228	2107	2304	2189	3832
384	Transport equipment	16.7	25.3	33.7	22.3	36.2	4989	5161	8301	6598	9286	384
3841	Shipbuilding, repair..	0.3	0.3	0.5	0.6	0.7	159	139	242	212	275	3841
3843	Motor vehicles	16.2	24.6	32.7	20.7	35.1	4788	4915	7912	6154	8853	3843
385	Professional goods	0.6	1.0	1.5	1.8	4.1	208	469	721	1122	1740	385
390	Other industries	1.4	2.4	3.3	4.0	5.3	709	1076	1536	1954	2622	390
3	Manufacturing	248.9	357.5	466.3	757.6	1131.6	111257	155926	185374	345720	571050	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged.

b/ Excluding goods sold in the same condition as received.

VENEZUELA

ISIC	INDUSTRY	11. GROSS FIXED CAPITAL FORMATION TOTAL a/ (MILLION BOLIVARES)					12. VALUE OF STOCKS AT END OF PERIOD TOTAL a/b/c/ (MILLION BOLIVARES)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	...	...	...	...	...	2
311/2	Food products	1344	2048	3473	5500	5355	6290	8537	11644	21079	26014	311/2
313	Beverages	1035	503	1364	2041	1145	1475	1754	2230	3985	6491	313
314	Tobacco	40	60	71	287	210	1036	1163	1465	1645	1695	314
321	Textiles	649	996	2094	2424	976	1763	2203	4176	8436	8205	321
3211	Spinning,weaving etc..	541	918	1945	1937	873	1471	1860	3663	7543	7232	3211
322	Wearing apparel	180	271	417	625	781	2368	3063	4137	4797	5583	322
323	Leather and products ...	39	70	234	336	222	443	639	1166	2183	2070	323
324	Footwear	79	175	335	428	337	860	1358	1789	2435	3135	324
331	Wood products	88	116	173	243	160	304	417	554	831	640	331
332	Furniture, fixtures	83	100	154	140	187	782	969	1237	1834	2140	332
341	Paper and products	285	275	608	1538	3986	900	1276	1701	2680	3385	341
3411	Pulp,paper etc.	220	162	336	1292	2993	627	886	1042	1692	2114	3411
342	Printing,publishing	441	335	820	1134	1160	820	1275	1984	3299	3671	342
351	Industrial chemicals ...	500	947	1842	4323	4123	1721	2919	4212	7086	6537	351
3511	Basic excl fertilizers	153	352	786	2609	1780	470	810	980	1692	2035	3511
3513	Synthetic resins etc .	122	343	570	447	1848	649	929	1614	2909	1862	3513
352	Other chemical products.	603	979	1047	1679	1834	3433	5538	8343	10884	13333	352
3522	Drugs and medicines ..	191	215	426	431	720	1093	2135	2940	4073	4705	3522
353	Petroleum refineries ...	557	1002	1714	2323	8329	2300	2435	2716	6582	6652	353
354	Petroleum,coal products.	89	12	14	60	77	73	57	78	144	250	354
355	Rubber products	292	931	621	964	474	428	885	977	1701	1327	355
356	Plastic products n.e.c..	557	969	1865	2177	1352	1284	2038	3142	4686	5164	356
361	Pottery,china etc	32	119	129	156	655	138	179	247	329	383	361
362	Glass and products	157	157	1220	1265	640	339	503	725	897	1586	362
369	Non-metal products n.e.c	250	1363	1415	1501	6761	832	1256	1691	3363	4326	369
371	Iron and steel	6362	1881	7490	12367	12917	3528	9424	10496	13526	14604	371
372	Non-ferrous metals	204	263	11675	24816	14978	1468	2539	3534	6877	11183	372
381	Metal products	418	832	1708	1939	1532	2385	3168	4708	7991	9222	381
382	Machinery n.e.c.	164	351	744	933	757	1591	2870	4192	8102	8061	382
3825	Office,computing etc..	-	-	-	1	6	-	-	-	41	104	3825
383	Electrical machinery ...	264	673	838	1462	1369	1833	3118	5182	7560	8428	383
3832	Radio,television etc..	55	159	172	497	166	639	1114	1965	2411	2442	3832
384	Transport equipment	439	622	1129	956	1187 e/	3244	5893	5756	9522	10578	384
3841	Shipbuilding, repair..	14	22	55	15	37	40	32	67	65	93	3841
3843	Motor vehicles	408	588	1060	916	1142	3183	5776	5464	8897	10280	3843
385	Professional goods	36	109	125	233	430	257	317	518	730	824	385
390	Other industries	63	76	255	300	185	273	600	899	1038	1079	390
3	Manufacturing	15250	16220	43581	72158	73893	42170	66399	89509	144238	166574	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas,etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	...	...	...	...	...	2-4

a/ Establishments with 5 or more persons engaged. b/ Excluding fuels and supplies.
c/ Excluding goods to be sold in the same condition as received.

13. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying . b/	91	82	91	118	177	319	454	...	...	20.8 d/	2
311/2	Food products	127	136	171	212	246	305	374	703	...	32.1	311/2
313	Beverages	144	151	161	175	203	280	357	574	...	28.3	313
314	Tobacco	111	106	96	119	101	140	172	291	...	16.5	314
321	Textiles	103	109	166	185	216	331	451	613	...	29.6	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel	96	104	142	140	152	214	295	350	...	19.6	322
323	Leather and products ...	115	114	155	204	271	441	578	717	...	32.5	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	100	100	110	122	148	203	304	308	...	17.4	331
332	Furniture, fixtures	85	84	96	110	137	185	264	226	...	12.3	332
341	Paper and products	133	141	193	205	243	347	472	796	...	34.5	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	122	119	155	205	231	356	469	662	...	31.0	342
351	Industrial chemicals ...	110	102	163	191	247	440	576	1055	...	40.0	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	110	106	142	176	205	338	418	626	...	29.9	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ...	[121	116	110	143	200	282	392	431	...	23.2]	353
354	Petroleum,coal products.											354
355	Rubber products	116	107	110	171	204	289	313	510	...	26.2	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	118	98	101	120	166	215	252	391	...	21.5	369
371	Iron and steel	132	107	124	119	173	272	386	608	...	29.4	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	108	106	130	156	184	252	301	447	...	23.8	381
382	Machinery n.e.c.	112	122	166	184	232	376	532	748	...	33.3	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	104	93	105	101	119	213	273	376	...	20.8	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	127	100	115	129	180	266	308	200	...	10.4	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	94	102	118	110	134	177	244	290	...	16.4	390
3	Manufacturing ..... c/	119	119	152	176	218	311	393	...	...	18.7 d/	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	...	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry b/c/	122	123	156	181	217	310	392	...	...	18.6 d/	2-4

a/ Annual growth rate 1982-1989.
b/ Excluding stone quarrying, clay and sand pits.
c/ Excluding footwear; including cold storage and motion picture production.
d/ Annual growth rate 1980-1988.

YEMEN 1/

The information in the tables is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Statistics Department, Central Planning Organisation, Sana'a.

The data in the tables are derived from the annual census of industries conducted by the Statistics Department, Central Planning Organisation. The inquiry covers establishments with 5 or more employees in operation at the time of enumeration, and is carried out on the basis of a complete enumeration by field visits of trained staff. The scope of the census includes quarrying, manufacturing, electricity generation and repair of motor vehicles. Estimates in the tables, however, do not include repair of motor vehicles.

The data are classified according to the present version of the ISIC. The concepts and definitions are generally in accordance with the United Nations standards, although the following points should be noted:

Number of employees is the annual average obtained from employment numbers at the end of March, June, September and December of the reference year;

Valuation of both output and value added is in factor values;

Gross fixed capital formation excludes land and buildings.

Related national publications:

Report on the Census of Industries; Statistical Year Book, both published by the Statistics Department, Central Planning Organisation, Sana'a.

1/ The information in the tables refers only to the Yemen as defined prior to 22 May 1990.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS a/ (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED a/ (NUMBER)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	8	6	6	...	...	286	271	281	...	...	290
2	Mining, quarrying . b/	8	6	6	...	...	286	271	281	...	...	2
311/2	Food products	16	20	21	...	...	4724	5387	5492	...	...	311/2
313	Beverages	17	16	14	...	...	1656	1442	1010	...	...	313
314	Tobacco	2	2	2	...	...	480	506	545	...	...	314
321	Textiles	4	6	6	...	...	1872	1993	2096	...	...	321
3211	Spinning,weaving etc..	4	6	6	...	...	1872	1993	2096	...	...	3211
322	Wearing apparel	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	1	1	2	...	...	124	103	210	...	...	324
331	Wood products	...	...	...	...	...	...	...	...	...	...	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	...	...	...	...	...	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	3	5	4	...	...	103	657	813	...	...	342
351	Industrial chemicals ...	...	...	...	...	...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	11	11	17	...	...	507	582	796	...	...	352
3522	Drugs and medicines ..	1	1	1	...	...	90	117	164	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	9	13	14	...	...	1500	1342	1510	...	...	356
361	Pottery,china etc	...	...	...	...	...	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	...	...	...	...	...	362
369	Non-metal products n.e.c	18	17	17	...	...	1637	1569	1563	...	...	369
371	Iron and steel	...	...	...	...	...	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products	12	14	14	...	...	548	652	603	...	...	381
382	Machinery n.e.c.	...	...	...	...	...	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing ..... b/	93	105	111	...	...	13241	14233	14638	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry b/	101	112	117	...	...	13527	14504	14919	...	...	2-4

Note: Data refer to the Yemen as defined prior to 22 May 1990.

a/ Establishments with 5 or more employees.

b/ Total represents the sum of available data.

YEMEN

3. OUTPUT IN FACTOR VALUES a/
(MILLION RIALS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	230
290	Other mining	41.4	39.1	46.4	...	...	290
2	Mining, quarrying . b/	41.4	39.1	46.4	...	...	2
311/2	Food products	2241.5	3234.6	3438.6	...	...	311/2
313	Beverages	389.6	414.7	397.8	...	...	313
314	Tobacco	980.8	1117.3	1470.8	...	...	314
321	Textiles	171.4	189.4	252.9	...	...	321
3211	Spinning,weaving etc..	171.4	189.4	252.9	...	...	3211
322	Wearing apparel	...	...	...	...	...	322
323	Leather and products ...	...	...	...	...	...	323
324	Footwear	28.0	21.8	30.7	...	...	324
331	Wood products	2.3	4.2	5.6	...	...	331
332	Furniture, fixtures	...	...	...	...	...	332
341	Paper and products	...	...	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	183.8	366.2	298.6	...	...	342
351	Industrial chemicals ...	...	...	...	...	...	351
3511	Basic excl fertilizers	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	613.4	829.4	978.2	...	...	352
3522	Drugs and medicines ..	74.7	94.7	145.6	...	...	3522
353	Petroleum refineries ...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	355
356	Plastic products n.e.c..	375.2	462.7	530.5	...	...	356
361	Pottery,china etc	...	...	...	...	...	361
362	Glass and products	...	...	...	...	...	362
369	Non-metal products n.e.c	556.0	655.8	812.0	...	...	369
371	Iron and steel	...	...	...	...	...	371
372	Non-ferrous metals	...	...	...	...	...	372
381	Metal products	90.6	110.8	146.5	...	...	381
382	Machinery n.e.c.	...	...	...	...	...	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	3832
384	Transport equipment	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	385
390	Other industries	...	...	...	...	...	390
3	Manufacturing ..... b/	5632.6	7406.9	8362.2	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	-	-	-	...	...	4101
420	Water works and supply .	-	-	-	...	...	420
4	Electricity,gas etc	-	-	-	...	...	4
2-4	All industry b/	5674.0	7446.0	8408.6	...	...	2-4

Note: Data refer to the Yemen as defined prior to 22 May 1990.

a/ Establishments with 5 or more employees.

b/ Total represents the sum of available data.

YUGOSLAVIA

The information on industrial activity is based on the reply to the United Nations Questionnaire on General Industrial Statistics from the Federal Statistical Office, Belgrade. The concepts, definitions and classification by branches of industry have been adjusted as far as possible to comply with United Nations standards.

The estimates are derived from regular monthly and annual statistical reports and periodic surveys of industrial activity carried out by the Federal Statistical Office. All estimates relate to industrial activities in the socialist sector, classified according to the national organizational concept. Industrial activities of non-industrial organizations and of arts and crafts organizations are not included. The statistical unit is the enterprise, an economic organization of which the prevailing activity is industrial production.

The estimates are compiled by the Federal Statistical Office for orientation purposes only; they are based on the national classification, which is not comparable with ISIC. The data are arranged, for the most part by estimation, to represent the categories of ISIC. The estimates reflect organizational changes due to the integration and disintegration of existing organizations as well as the formation of new organizations and liquidation of old ones.

The estimates of employment represent annual averages of all workers and administrative personnel. Apprentices are excluded; working proprietors and unpaid family workers are not found in the socialist sector.

Wages and salaries represent personal income after deduction for social insurance contributions and taxes. The figures include personal receipts recorded by the organization as operating expenditure, covering such items as daily allowances, travel lump sums and field work allowances.

The estimates of value added relate to social product at current prices. Social product is calculated as the difference between value of production, including turnover tax, and material expenditure. It is defined as the sum of net personal receipts, contribution to accumulation and similar funds and depreciation.

The estimates of gross fixed capital formation relate to investments put in place during the reference year regardless of the time of payment.

The indices of industrial production are compiled by the Federal Statistical Office and provided in response to the United Nations Questionnaire on Indices of Industrial Production. In principle, the indices cover the production of non-military goods of publicly owned establishments.

Related national publications:

Statisticki Bilten (issued intermittently during the year with the results of the annual surveys); Statisticki Godisnjak Yugoslavije (Statistical Yearbook of the Socialist Federal Republic of Yugoslavia); Statistical Pocket Book of Yugoslavia, all published by the Federal Statistical Office, Belgrade.

YUGOSLAVIA

ISIC	INDUSTRY	1. NUMBER OF ENTERPRISES (NUMBER)					2. AVERAGE NUMBER OF EMPLOYEES a/ (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	128	117	113	110	...	68	69	70	71	...	210
220	Petroleum and gas	11	11	11	6	...	5	5	5	9	...	220
230	Metal ore mining	83	75	68	65	...	39	38	37	38	...	230
290	Other mining	211	196	191	174	...	35	32	32	31	...	290
2	Mining, quarrying .	433	399	383	355	...	147	144	144	149	...	2
311/2	Food products	1024	985	940	864	...	221	225	228	223	...	311/2
313	Beverages	196	184	179	165	...	43	42	44	42	...	313
314	Tobacco	97	96	94	88	...	20	21	20	19	...	314
321	Textiles	669	656	591	538	...	275	284	284	277	...	321
3211	Spinning,weaving etc..	300	286	252	217	...	151	153	154	156	...	3211
322	Wearing apparel	535	516	511	474	...	191	199	208	209	...	322
323	Leather and products ...	120	110	106	101	...	30	30	30	31	...	323
324	Footwear	223	218	211	186	...	103	108	110	113	...	324
331	Wood products	490	459	421	393	...	108	108	100	96	...	331
332	Furniture, fixtures	467	431	428	391	...	107	105	112	117	...	332
341	Paper and products	198	174	165	152	...	47	46	49	50	...	341
3411	Pulp,paper etc.	79	66	58	53	...	24	24	26	29	...	3411
342	Printing,publishing	700	692	685	662	...	78	80	80	80	...	342
351	Industrial chemicals ...	255	248	233	218	...	61	63	65	62	...	351
3511	Basic excl fertilizers	174	169	154	142	...	33	34	36	34	...	3511
3513	Synthetic resins etc .	81	79	79	76	...	28	29	29	28	...	3513
352	Other chemical products.	225	207	204	194	...	54	56	57	64	...	352
3522	Drugs and medicines ..	60	58	57	54	...	17	18	18	23	...	3522
353	Petroleum refineries ...	30	29	29	28	...	14	14	15	20	...	353
354	Petroleum,coal products.	26	27	20	16	...	6	6	6	6	...	354
355	Rubber products	101	96	86	56	...	36	37	37	39	...	355
356	Plastic products n.e.c..	242	223	222	199	...	37	37	36	34	...	356
361	Pottery,china etc	51	45	45	38	...	17	16	18	17	...	361
362	Glass and products	63	57	54	47	...	24	24	23	24	...	362
369	Non-metal products n.e.c	426	397	374	342	...	88	85	83	81	...	369
371	Iron and steel	311	290	254	204	...	123	124	123	126	...	371
372	Non-ferrous metals	93	89	86	76	...	38	38	42	44	...	372
381	Metal products	948	888	874	803	...	240	235	228	215	...	381
382	Machinery n.e.c.	772	759	694	688	...	219	221	220	245	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	541	523	514	487	...	191	198	196	196	...	383
3832	Radio,television etc..	63	58	56	55	...	24	29	27	24	...	3832
384	Transport equipment	366	360	347	308	...	176	186	188	199	...	384
3841	Shipbuilding, repair..	78	75	67	64	...	28	28	28	28	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	53	52	48	41	...	15	15	15	17	...	385
390	Other industries	61	57	52	56	...	13	13	12	12	...	390
3	Manufacturing	9283	8868	8467	7815	...	2575	2616	2629	2658	...	3
410	Electricity,gas,steam .. b/	649	623	612	570	...	101	104	107	107	...	410
4101	Electricity	496	470	467	425	...	82	85	86	87	...	4101
420	Water works and supply .	415	419	419	404	...	43	43	45	48	...	420
4	Electricity,gas etc b/	1064	1042	1031	974	...	144	147	152	155	...	4
2-4	All industry b/	10780	10309	9881	9144	...	2866	2907	2925	2962	...	2-4

a/ Number of employees; working proprietors and unpaid family workers are not found in the socialist sector.
b/ Excluding steam.

ISIC	INDUSTRY	3. WAGES AND SALARIES OF EMPLOYEES a/ (BILLION DINARS)					4. SUPPLEMENTS TO WAGES AND SALARIES (BILLION DINARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	98	216	583	9776	...	33	78	229	4838	...	210
220	Petroleum and gas	8	19	54	1574	...	4	9	24	853	...	220
230	Metal ore mining	48	93	281	5172	...	17	37	95	2470	...	230
290	Other mining	41	79	219	3015	...	13	28	73	1522	...	290
2	Mining, quarrying ..	195	407	1137	19537	...	66	152	421	9684	...	2
311/2	Food products	236	530	1514	25415	...	92	220	588	12924	...	311/2
313	Beverages	50	106	293	4500	...	18	40	110	2262	...	313
314	Tobacco	22	47	120	2007	...	9	20	48	1072	...	314
321	Textiles	238	522	1378	20806	...	89	204	554	10769	...	321
3211	Spinning,weaving etc..	133	291	762	11665	...	51	114	310	6034	...	3211
322	Wearing apparel	157	348	989	15790	...	55	129	368	7687	...	322
323	Leather and products ...	34	70	188	3152	...	13	27	80	1660	...	323
324	Footwear	93	189	498	9094	...	33	72	185	4420	...	324
331	Wood products	103	214	581	8394	...	36	80	236	4423	...	331
332	Furniture, fixtures	102	217	640	10135	...	35	83	262	5314	...	332
341	Paper and products	56	120	367	5869	...	21	47	157	3206	...	341
3411	Pulp,paper etc.	30	65	195	3473	...	11	25	85	1905	...	3411
342	Printing,publishing	110	246	712	9970	...	33	78	230	3918	...	342
351	Industrial chemicals ...	74	170	526	9599	...	28	69	215	4973	...	351
3511	Basic excl fertilizers	42	98	301	5235	...	17	41	127	2792	...	3511
3513	Synthetic resins etc .	32	72	225	4364	...	11	29	88	2181	...	3513
352	Other chemical products.	68	158	466	9219	...	25	59	192	4844	...	352
3522	Drugs and medicines ..	22	49	141	4014	...	8	18	59	2080	...	3522
353	Petroleum refineries ...	22	51	167	2968	...	9	23	66	1614	...	353
354	Petroleum,coal products.	8	15	43	629	...	3	6	17	363	...	354
355	Rubber products	40	86	238	4502	...	14	31	87	2227	...	355
356	Plastic products n.e.c..	40	87	253	3718	...	15	33	102	1937	...	356
361	Pottery,china etc	17	34	99	1618	...	6	13	39	812	...	361
362	Glass and products	23	48	144	2412	...	8	18	58	1217	...	362
369	Non-metal products n.e.c	92	190	525	7845	...	33	72	204	4080	...	369
371	Iron and steel	146	306	859	15123	...	53	113	345	7789	...	371
372	Non-ferrous metals	50	107	342	6516	...	18	42	139	3324	...	372
381	Metal products	284	578	1543	12225	...	99	214	593	6593	...	381
382	Machinery n.e.c.	286	612	1702	25588	...	100	228	650	13087	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	245	538	1494	23302	...	84	195	614	12097	...	383
3832	Radio,television etc..	33	84	233	2857	...	11	30	96	1504	...	3832
384	Transport equipment	216	483	1329	24937	...	75	175	487	12177	...	384
3841	Shipbuilding, repair..	45	91	250	4434	...	15	33	83	2060	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	18	38	100	1521	...	6	14	40	777	...	385
390	Other industries	15	33	85	144	...	6	13	38	822	...	390
3	Manufacturing	2847	6146	17194	268299	...	1015	2318	6709	136393	...	3
410	Electricity,gas,steam .. b/	144	318	892	15835	...	54	127	355	8418	...	410
4101	Electricity	121	267	741	13488	...	46	109	300	7295	...	4101
420	Water works and supply .	43	95	266	4408	...	15	35	99	2250	...	420
4	Electricity,gas etc b/	187	413	1158	20243	...	69	163	455	10668	...	4
2-4	All industry b/	3229	6966	19489	308079	...	1149	2633	7585	156746	...	2-4

a/ After deduction for social insurance contributions and taxes. Including personal receipts chargeable to operating costs.
b/ Excluding steam.

YUGOSLAVIA

ISIC	INDUSTRY	5. AVERAGE NUMBER OF OPERATIVES (THOUSANDS)					6. HOURS WORKED BY OPERATIVES (MILLIONS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	53	54	54	55	...	106	101	103	98	...	210
220	Petroleum and gas	3	3	3	6	...	7	6	6	12	...	220
230	Metal ore mining	28	27	27	28	...	52	49	50	50	...	230
290	Other mining	28	25	25	25	...	52	47	48	47	...	290
2	Mining, quarrying .	112	109	109	114	...	217	203	207	207	...	2
311/2	Food products	165	169	172	172	...	317	326	327	326	...	311/2
313	Beverages	30	29	31	30	...	57	57	60	58	...	313
314	Tobacco	15	15	15	15	...	29	30	29	29	...	314
321	Textiles	219	225	226	221	...	396	403	403	395	...	321
3211	Spinning,weaving etc..	119	121	123	125	...	216	217	222	222	...	3211
322	Wearing apparel	153	160	168	169	...	270	278	294	299	...	322
323	Leather and products ...	22	22	22	24	...	41	40	40	43	...	323
324	Footwear	83	87	88	93	...	151	162	162	162	...	324
331	Wood products	88	88	82	78	...	165	164	152	145	...	331
332	Furniture, fixtures	79	78	81	86	...	147	141	160	158	...	332
341	Paper and products	34	33	34	37	...	63	61	67	70	...	341
3411	Pulp,paper etc.	17	16	16	20	...	31	30	32	39	...	3411
342	Printing,publishing	57	59	60	61	...	109	112	115	118	...	342
351	Industrial chemicals ...	40	42	43	41	...	77	79	80	79	...	351
3511	Basic excl fertilizers	21	22	23	22	...	41	43	44	43	...	3511
3513	Synthetic resins etc .	19	20	20	20	...	35	36	37	36	...	3513
352	Other chemical products.	33	35	36	41	...	63	65	68	77	...	352
3522	Drugs and medicines ..	10	11	11	15	...	20	21	21	28	...	3522
353	Petroleum refineries ...	9	9	9	12	...	17	17	19	25	...	353
354	Petroleum,coal products.	4	4	4	4	...	8	8	8	8	...	354
355	Rubber products	26	26	26	28	...	48	47	48	51	...	355
356	Plastic products n.e.c..	26	26	26	25	...	47	48	48	47	...	356
361	Pottery,china etc	14	13	14	13	...	26	24	27	25	...	361
362	Glass and products	20	19	18	20	...	35	34	33	36	...	362
369	Non-metal products n.e.c	68	65	64	64	...	129	127	123	121	...	369
371	Iron and steel	89	90	89	92	...	168	171	166	172	...	371
372	Non-ferrous metals	26	26	30	31	...	49	50	57	59	...	372
381	Metal products	167	163	157	150	...	308	298	286	272	...	381
382	Machinery n.e.c.	135	147	147	152	...	253	273	275	283	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	121	125	125	125	...	223	228	230	231	...	383
3832	Radio,television etc..	13	16	17	13	...	23	29	31	25	...	3832
384	Transport equipment	112	123	118	129	...	193	218	213	231	...	384
3841	Shipbuilding, repair..	18	18	17	18	...	33	34	33	35	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	10	9	10	12	...	20	17	19	23	...	385
390	Other industries	9	9	8	8	...	17	17	15	15	...	390
3	Manufacturing.....	1854	1896	1903	1933	...	3426	3495	3524	3558	...	3
410	Electricity,gas,steam .. a/	64	67	68	68	...	130	136	138	135	...	410
4101	Electricity	52	55	55	56	...	106	110	111	111	...	4101
420	Water works and supply .	27	28	29	30	...	55	57	58	60	...	420
4	Electricity,gas etc a/	91	95	97	98	...	185	193	196	195	...	4
2-4	All industry a/	2057	2100	2109	2145	...	3828	3891	3927	3960	...	2-4

a/ Excluding steam.

ISIC	INDUSTRY	7. QUANTITY OF ELECTRICITY CONSUMED (MILLION KWH)					8. OUTPUT (BILLION DINARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	938	1011	1242	1123	...	423	976	2638	32449	...	210
220	Petroleum and gas	130	120	129	133	...	164	341	1037	11981	...	220
230	Metal ore mining	1175	1185	1240	1223	...	324	640	2207	26874	...	230
290	Other mining	391	342	333	333	...	185	367	999	13626	...	290
2	Mining, quarrying .	2634	2658	2944	2812	...	1096	2324	6881	86930	...	2
311/2	Food products	1934	1815	1701	1788	...	3313	7131	21835	300275	...	311/2
313	Beverages	259	257	250	249	...	514	952	2849	39240	...	313
314	Tobacco	80	73	70	72	...	268	576	1600	24299	...	314
321	Textiles	1654	1700	1696	1701	...	1671	3635	10968	157256	...	321
3211	Spinning,weaving etc..	1335	1377	1377	1360	...	987	2119	6446	88083	...	3211
322	Wearing apparel	241	264	277	299	...	806	1853	5207	79555	...	322
323	Leather and products ...	125	138	127	138	...	338	619	1977	25140	...	323
324	Footwear	131	130	132	154	...	655	1305	3756	61512	...	324
331	Wood products	820	815	784	771	...	688	1437	4420	54447	...	331
332	Furniture, fixtures	561	554	584	624	...	665	1532	4913	66493	...	332
341	Paper and products	1885	1861	1842	1875	...	742	1515	5064	60530	...	341
3411	Pulp,paper etc.	1730	1694	1593	1623	...	449	915	2913	36493	...	3411
342	Printing,publishing	226	231	242	260	...	584	1268	3819	45367	...	342
351	Industrial chemicals ...	3245	3041	3207	3074	...	1246	2715	9692	110432	...	351
3511	Basic excl fertilizers	2417	2201	2376	2322	...	811	1720	6113	66225	...	3511
3513	Synthetic resins etc .	827	840	831	752	...	434	995	3579	44207	...	3513
352	Other chemical products.	269	271	292	311	...	856	1925	6895	96603	...	352
3522	Drugs and medicines ..	103	97	100	115	...	278	653	2384	45635	...	3522
353	Petroleum refineries ...	508	563	620	627	...	1124	2214	7493	93378	...	353
354	Petroleum,coal products.	161	155	155	108	...	246	330	1017	12101	...	354
355	Rubber products	337	321	331	327	...	458	876	2708	34741	...	355
356	Plastic products n.e.c..	360	372	346	325	...	365	825	2958	29091	...	356
361	Pottery,china etc	150	163	157	164	...	100	199	637	9322	...	361
362	Glass and products	406	416	456	491	...	163	328	1126	14098	...	362
369	Non-metal products n.e.c	2083	2124	1929	1909	...	676	1332	3973	48476	...	369
371	Iron and steel	6603	6673	6772	6599	...	2443	4396	14321	160089	...	371
372	Non-ferrous metals	6737	6589	7131	7328	...	845	1909	8450	96321	...	372
381	Metal products	1187	1099	1061	911	...	1963	3714	10798	78512	...	381
382	Machinery n.e.c.	790	753	757	795	...	1792	3613	10555	134291	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	1049	1019	870	874	...	2100	4466	14092	175595	...	383
3832	Radio,television etc..	45	47	50	37	...	282	689	1896	23975	...	3832
384	Transport equipment	754	770	803	891	...	2008	4492	13603	176966	...	384
3841	Shipbuilding, repair..	144	133	130	145	...	321	665	2148	30666	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	28	54	45	33	...	96	204	626	7843	...	385
390	Other industries	35	34	40	40	...	109	251	666	7662	...	390
3	Manufacturing	32618	32255	32677	32738	...	26836	55612	176018	219964 a/	...	3
410	Electricity,gas,steam .. b/	6388	6887	7372	7455	...	2038	4460	12412	161204	...	410
4101	Electricity	6251	6739	7198	7294	...	1674	3778	10425	139430	...	4101
420	Water works and supply .	249	268	373	395	...	190	413	1112	15479	...	420
4	Electricity,gas etc b/	6637	7155	7745	7850	...	2227	4873	13524	176683	...	4
2-4	All industry b/	41889	42068	43366	43400	...	30159	62809	196423	246325 a/	...	2-4

a/ In 10 billion Dinars.

b/ Excluding steam.

YUGOSLAVIA

ISIC	INDUSTRY	9. VALUE ADDED a/ (BILLION DINARS)					10. GROSS FIXED CAPITAL FORMATION TOTAL (BILLION DINARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining	263	650	1712	21705	...	189	385	645	4713	...	210
220	Petroleum and gas	66	182	583	7985	...	26	52	127	754	...	220
230	Metal ore mining	124	294	847	13176	...	36	63	159	1057	...	230
290	Other mining	97	207	580	8449	...	16	32	95	1214	...	290
2	Mining, quarrying .	551	1333	3722	51315	...	267	533	1026	7738	...	2
311/2	Food products	859	2164	7204	132356	...	114	190	597	5111	...	311/2
313	Beverages	205	442	1302	22415	...	21	47	121	939	...	313
314	Tobacco	105	239	702	11635	...	8	14	44	160	...	314
321	Textiles	714	1733	5351	97382	...	96	163	346	3716	...	321
3211	Spinning,weaving etc..	414	995	3044	53364	...	54	87	177	2162	...	3211
322	Wearing apparel	390	980	2987	53847	...	41	74	189	2403	...	322
323	Leather and products ...	111	233	882	12940	...	14	24	41	715	...	323
324	Footwear	230	521	1505	34527	...	24	36	65	608	...	324
331	Wood products	264	603	1928	26849	...	34	52	181	1934	...	331
332	Furniture, fixtures	251	657	2109	34821	...	31	58	128	1868	...	332
341	Paper and products	218	500	1843	25664	...	21	61	237	1934	...	341
3411	Pulp,paper etc.	128	296	1096	15387	...	9	32	175	1471	...	3411
342	Printing,publishing	269	614	1838	25728	...	18	40	124	962	...	342
351	Industrial chemicals ...	283	745	3009	37411	...	99	150	488	11743	...	351
3511	Basic excl fertilizers	171	463	1924	20066	...	89	135	432	10628	...	3511
3513	Synthetic resins etc .	112	282	1085	17345	...	9	15	56	1115	...	3513
352	Other chemical products.	242	696	2698	47948	...	32	70	164	2219	...	352
3522	Drugs and medicines ..	81	248	1036	23682	...	12	32	57	765	...	3522
353	Petroleum refineries ...	107	352	878	8787	...	22	31	101	6350	...	353
354	Petroleum,coal products.	44	52	193	3513	...	4	12	19	1076	...	354
355	Rubber products	138	303	984	16187	...	22	29	114	1129	...	355
356	Plastic products n.e.c..	147	293	991	13430	...	14	31	99	1410	...	356
361	Pottery,china etc	47	100	315	5464	...	7	7	19	169	...	361
362	Glass and products	63	135	487	7573	...	14	14	32	1090	...	362
369	Non-metal products n.e.c	261	556	1736	23079	...	29	49	141	1666	...	369
371	Iron and steel	498	984	3497	45392	...	269	941	542	4643	...	371
372	Non-ferrous metals	190	502	2557	31917	...	40	78	324	2084	...	372
381	Metal products	781	1711	4951	43716	...	83	140	430	3215	...	381
382	Machinery n.e.c.	765	1757	5511	80177	...	72	158	455	3818	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	766	1815	5979	89245	...	105	194	547	6512	...	383
3832	Radio,television etc..	110	310	930	13936	...	13	31	87	1617	...	3832
384	Transport equipment	628	1618	4986	80765	...	86	143	428	5043	...	384
3841	Shipbuilding, repair..	118	280	978	17567	...	19	18	31	285	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	49	111	344	5195	...	4	7	19	175	...	385
390	Other industries	53	136	361	4313	...	3	11	90	1120	...	390
3	Manufacturing	8679	20552	67128	102228 b/	...	1326	2825	6087	73812	...	3
410	Electricity,gas,steam .. c/	751	1922	4901	70609	...	366	774	2459	29214	...	410
4101	Electricity	668	1724	4335	63512	...	326	693	2183	26278	...	4101
420	Water works and supply .	105	256	668	9779	...	76	147	448	3045	...	420
4	Electricity,gas etc c/	856	2178	5569	80388	...	442	921	2906	32259	...	4
2-4	All industry c/	10086	24063	76419	115398 b/	...	2036	4279	10019	113809	...	2-4

a/ Social product including turnover taxes.
b/ In 10 billion Dinars.
c/ Excluding steam.

11. GROSS FIXED CAPITAL FORMATION
MACHINERY AND EQUIPMENT
(BILLION DINARS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	109	237	324	3111	...	210
220	Petroleum and gas	15	26	64	299	...	220
230	Metal ore mining	15	31	68	525	...	230
290	Other mining	9	16	50	599	...	290
2	Mining, quarrying .	147	311	507	4534	...	2
311/2	Food products	68	118	372	3391	...	311/2
313	Beverages	15	33	87	751	...	313
314	Tobacco	5	9	36	126	...	314
321	Textiles	70	106	262	3118	...	321
3211	Spinning,weaving etc..	43	61	147	1877	...	3211
322	Wearing apparel	21	38	116	1124	...	322
323	Leather and products ...	7	16	28	586	...	323
324	Footwear	13	19	44	435	...	324
331	Wood products	22	32	110	1195	...	331
332	Furniture, fixtures	19	37	89	1193	...	332
341	Paper and products	16	45	214	1782	...	341
3411	Pulp,paper etc.	7	26	160	1384	...	3411
342	Printing,publishing	14	33	102	740	...	342
351	Industrial chemicals ...	50	61	275	2209	...	351
3511	Basic excl fertilizers	44	51	235	1504	...	3511
3513	Synthetic resins etc .	6	11	40	705	...	3513
352	Other chemical products.	20	38	101	1074	...	352
3522	Drugs and medicines ..	8	17	31	443	...	3522
353	Petroleum refineries ...	17	21	69	6103	...	353
354	Petroleum,coal products.	2	2	9	913	...	354
355	Rubber products	17	18	69	1011	...	355
356	Plastic products n.e.c..	9	16	68	1063	...	356
361	Pottery,china etc	5	3	15	131	...	361
362	Glass and products	11	11	26	827	...	362
369	Non-metal products n.e.c	21	34	101	1179	...	369
371	Iron and steel	170	523	266	2199	...	371
372	Non-ferrous metals	21	54	263	1230	...	372
381	Metal products	53	101	336	2710	...	381
382	Machinery n.e.c.	48	95	304	2997	...	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ...	71	131	392	5167	...	383
3832	Radio,television etc..	10	18	62	1287	...	3832
384	Transport equipment	49	81	317	3645	...	384
3841	Shipbuilding, repair..	8	8	19	201	...	3841
3843	Motor vehicles	...	...	...	...	...	3843
385	Professional goods	3	4	11	108	...	385
390	Other industries	2	8	34	973	...	390
3	Manufacturing	837	1689	4117	47981	...	3
410	Electricity,gas,steam .. a/	155	307	1061	14142	...	410
4101	Electricity	137	277	921	12252	...	4101
420	Water works and supply .	13	24	73	463	...	420
4	Electricity,gas etc. a/	168	331	1134	14605	...	4
2-4	All industry a/	1152	2331	5758	67120	...	2-4

a/ Excluding steam.

YUGOSLAVIA

12. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	113	121	130	141	143	123	122	125	127	3.0	210
220	Petroleum and gas	110	104	101	107	108	101	102	100	94	-0.8	220
230	Metal ore mining	102	105	111	109	109	104	105	105	101	0.1	230
290	Other mining	102	104	100	112	115	113	111	111	94	-0.8	290
2	Mining, quarrying .	105	107	109	115	116	117	116	113	108	1.0	2
311/2	Food products	103	104	113	110	111	114	110	77	109	1.1	311/2
313	Beverages	118	112	106	100	107	107	105	100	112	1.4	313
314	Tobacco	106	111	98	107	108	115	104	97	99	-0.1	314
321	Textiles	100	100	107	109	116	117	115	112	92	-1.0	321
3211	Spinning,weaving etc..	103	103	110	116	125	132	132	127	103	0.4	3211
322	Wearing apparel	107	108	114	122	130	138	137	142	128	3.1	322
323	Leather and products ...	104	104	107	114	115	111	101	107	88	-1.6	323
324	Footwear	112	116	129	138	147	141	132	141	124	2.7	324
331	Wood products	104	103	104	116	124	121	129	120	102	0.2	331
332	Furniture, fixtures	94	95	105	96	97	93	90	89	76	-3.4	332
341	Paper and products	104	107	111	111	115	116	119	118	105	0.6	341
3411	Pulp,paper etc.	134	137	143	143	148	149	153	151	135	3.8	3411
342	Printing,publishing	99	98	100	105	112	114	112	124	122	2.5	342
351	Industrial chemicals ...	96	108	112	115	121	118	124	124	107	0.8	351
3511	Basic excl fertilizers	112	118	124	128	136	141	145	147	130	3.3	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	111	120	135	140	150	157	160	157	141	4.4	352
3522	Drugs and medicines ..	117	135	134	145	158	175	176	174	177	7.4	3522
353	Petroleum refineries ...	92	94	97	91	104	108	113	110	111	1.3	353
354	Petroleum,coal products.	95	100	107	105	106	96	110	100	78	-3.1	354
355	Rubber products	103	106	110	118	117	108	105	112	97	-0.4	355
356	Plastic products n.e.c..	110	104	96	95	96	95	99	99	88	-1.6	356
361	Pottery,china etc	123	105	124	120	129	126	129	130	110	1.2	361
362	Glass and products	125	130	178	207	221	232	239	256	211	9.8	362
369	Non-metal products n.e.c	102	102	101	97	97	97	91	89	80	-2.8	369
371	Iron and steel	109	117	126	131	133	129	132	135	113	1.5	371
372	Non-ferrous metals	103	106	112	117	118	114	116	119	114	1.7	372
381	Metal products	113	109	106	109	132	129	123	129	108	1.0	381
382	Machinery n.e.c.	108	114	116	120	119	116	114	113	90	-1.3	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	105	110	117	124	133	128	124	129	104	0.5	383
3832	Radio,television etc..	...	..	...	...	...	...	...	...	...	...	3832
384	Transport equipment	103	115	134	138	142	153	160	159	140	4.3	384
3841	Shipbuilding, repair..	105	112	140	143	140	167	173	160	141	4.4	3841
3843	Motor vehicles	160	159	166	170	176	182	191	193	173	7.1	3843
385	Professional goods	106	107	130	144	164	186	161	159	164	6.4	385
390	Other industries	108	105	114	125	143	150	135	129	104	0.5	390
3	Manufacturing	104	105	112	114	117	119	117	120	106	0.7	3
410	Electricity,gas,steam ..	103	109	119	124	129	134	139	137	137	4.0	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	104	105	111	114	119	120	119	120	107	0.8	2-4

a/ Annual growth rate 1982-1990.

ZAMBIA

The information in the tables, except for the indices, is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Central Statistical Office, Lusaka.

The data for the private sector are derived from the new census of production carried out annually by the Central Statistical Office. The data are based on the national classification scheme which follows the present version of the ISIC.

The indices of industrial production are compiled by the Central Statistical Office and provided in response to the United Nations Questionnaire on Indices of Industrial Production.

Related national publication:

Census of Industrial Production (annual), published by the Central Statistical Office, Lusaka.

ZAMBIA

1. NUMBER OF ESTABLISHMENTS

(NUMBER)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining	1	1	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	220
230	Metal ore mining ..... a/	15	15	...	...	...	230
290	Other mining	12	13	...	...	...	290
2	Mining, quarrying .	...	...	...	...	...	2
311/2	Food products	96	104	...	...	...	311/2
313	Beverages	9	12	...	...	...	313
314	Tobacco	1	1	...	...	...	314
321	Textiles	35	28	...	...	...	321
3211	Spinning,weaving etc..	7	5	...	...	...	3211
322	Wearing apparel	106	105	...	...	...	322
323	Leather and products ...	3	3	...	...	...	323
324	Footwear	6	5	...	...	...	324
331	Wood products	12	9	...	...	...	331
332	Furniture, fixtures	17	19	...	...	...	332
341	Paper and products	12	15	...	...	...	341
3411	Pulp,paper etc.	...	...	...	...	...	3411
342	Printing,publishing	24	24	...	...	...	342
351	Industrial chemicals ...	6	6	...	...	...	351
3511	Basic excl fertilizers	4	4	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	24	25	...	...	...	352
3522	Drugs and medicines ..	9	9	...	...	...	3522
353	Petroleum refineries ...	2	2	...	...	...	353
354	Petroleum,coal products.	1	1	...	...	...	354
355	Rubber products	6	6	...	...	...	355
356	Plastic products n.e.c..	11	11	...	...	...	356
361	Pottery,china etc	1	1	...	...	...	361
362	Glass and products	3	3	...	...	...	362
369	Non-metal products n.e.c	13	15	...	...	...	369
371	Iron and steel	5	5	...	...	...	371
372	Non-ferrous metals ..... a/	2	5	...	...	...	372
381	Metal products	66	71	...	...	...	381
382	Machinery n.e.c.	17	14	...	...	...	382
3825	Office,computing etc..	1	1	...	...	...	3825
383	Electrical machinery ...	19	20	...	...	...	383
3832	Radio,television etc..	1	1	...	...	...	3832
384	Transport equipment	16	16	...	...	...	384
3841	Shipbuilding, repair..	1	1	...	...	...	3841
3843	Motor vehicles	11	11	...	...	...	3843
385	Professional goods	-	-	...	...	...	385
390	Other industries	16	14	...	...	...	390
3	Manufacturing ..... a/	529	540	...	...	...	3
410	Electricity,gas,steam ..	...	...	...	...	...	410
4101	Electricity	43	43	...	...	...	4101
420	Water works and supply .	...	...	...	...	...	420
4	Electricity,gas etc	...	...	...	...	...	4
2-4	All industry	...	...	...	...	...	2-4

a/ Metal refineries are included in major group 230.

2. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	106	80	82	84	99	79	96	68	65	-5.2	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	94	93	89	87	87	84	81	83	79	-2.9	230
290	Other mining	84	81	88	80	71	70	82	163	126	2.9	290
2	Mining, quarrying . b/	96	95	86	80	76	84	81	83	79	-2.9	2
311/2	Food products											311/2
313	Beverages	101	105	102	102	100	104	114	110	122	2.5	313
314	Tobacco											314
321	Textiles ..... c/	120	112	120	152	133	114	142	148	162	6.2	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... c/	...	...	...	...	...	...	...	...	...	...	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	98	77	64	71	65	67	71	83	92	-1.0	331
332	Furniture, fixtures	...	...	...	...	...	...	...	...	...	...	332
341	Paper and products	125	136	133	122	126	193	191	103	140	4.3	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... d/	86	104	93	90	98	96	106	97	111	1.3	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. d/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... d/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. d/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products ..... d/	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c.. d/	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc											361
362	Glass and products	99	94	78	84	98	125	117	117	163	6.3	362
369	Non-metal products n.e.c											369
371	Iron and steel	80	81	82	96	90	92	90	72	53	-7.6	371
372	Non-ferrous metals	...	...	...	...	...	...	...	...	...	...	372
381	Metal products ..... e/	100	95	115	113	118	126	133	133	105	0.6	381
382	Machinery n.e.c.											382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... e/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment .... e/	...	...	...	...	...	...	...	...	...	...	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods ..... e/	...	...	...	...	...	...	...	...	...	...	385
390	Other industries ..... e/	...	...	...	...	...	...	...	...	...	...	390
3	Manufacturing ..... b/	106	100	100	109	113	112	120	120	125	2.8	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	115	109	106	109	106	91	91	73	84	-2.2	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry f/	100	97	83	92	88	95	97	96	97	-0.4	2-4

a/ Annual growth rate 1982-1990.
b/ Major group 372 is included in major division 2.
c/ Major group 322 is included in 321.
d/ Major groups 352 to 356 are included in 351.
e/ Major groups 383 to 390 are included in 381 and 382 combined.
f/ Excluding gas and steam.

ZIMBABWE

The information in the tables, except for the indices, is based on the reply to the United Nations General Industrial Statistics Questionnaire from the Central Statistical Office, Harare.

The data are derived from the Annual Census of Production by the Central Statistical Office. The Census covers all public and private establishments engaged in mining, quarrying, manufacturing and electricity and water supply. Establishments with an annual output of less than 2,000 dollars and establishments mainly in the nature of "self-employed", such as dressmakers, tailors, cabinet makers etc. are not included. These exclusions are not considered significant. Data have been adjusted for the few cases of non-response.

The national industrial classification scheme basically follows the present version of the ISIC with the following exceptions: ISIC major group 230 (metal ore mining) includes the smelting of copper and nickel; ISIC major groups 353 and 354 (petroleum refineries and miscellaneous products of petroleum and coal) include ISIC groups 3511 and 3513 (basic chemicals and synthetic resins, plastics, etc.); ISIC group 324 (manufacture of footwear) includes ISIC groups 355 (footwear made of vulcanized or moulded rubber) and 356 (footwear made of plastic).

The concepts and definitions used are generally in accordance with the United Nations standards, although the following points should be noted:

Reference period is the fiscal year ending on any date from 1 April of the year indicated to 31 March of the following year;

Number of employees relates to the annual average number of persons on the payroll, including working proprietors and family members if they are paid a definite wage or salary;

Wages and salaries include employers' contributions to pension, medical aid or similar schemes;

Output refers to census output and is not adjusted for the cost of purchases of goods for resale without further processing;

Fixed capital formation includes progress payments for fixed assets on order;

Both census ouptut and census value added are valued at factor values.

Related national publications:

The Census of Production (annual); Monthly Digest of Statistics, both published by the Central Statistical Office, Harare.

ISIC	INDUSTRY	1. NUMBER OF ESTABLISHMENTS (NUMBER)					2. AVERAGE NUMBER OF PERSONS ENGAGED (THOUSANDS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining ..... a/	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	-	-	-	...	...	-	-	-	...	...	220
230	Metal ore mining	79	92	72	...	...	33.7	38.2	26.4	...	...	230
290	Other mining ..... a/	32	36	30	...	...	10.1	10.6	9.7	...	...	290
2	Mining, quarrying .	111	128	102	...	...	43.8	48.8	36.1	...	...	2
311/2	Food products	102	147	147	...	...	28.2	27.6	28.3	...	...	311/2
313	Beverages	18	42	29	...	...	7.1	6.9	7.2	...	...	313
314	Tobacco	9	14	8	...	...	5.5	5.1	4.5	...	...	314
321	Textiles	56	66	67	...	...	20.6	22.0	24.3	...	...	321
3211	Spinning,weaving etc.. b/	28	37	37	...	...	16.3	17.3	19.0	...	...	3211
322	Wearing apparel	114	112	114	...	...	15.6	17.4	18.4	...	...	322
323	Leather and products ...	16	16	15	...	...	0.9	1.2	1.2	...	...	323
324	Footwear	11	18	15	...	...	4.7	4.9	5.6	...	...	324
331	Wood products	30	33	33	...	...	5.2	5.3	5.4	...	...	331
332	Furniture, fixtures	51	52	53	...	...	4.2	4.5	4.7	...	...	332
341	Paper and products	15	26	21	...	...	4.5	4.6	4.4	...	...	341
3411	Pulp,paper etc.	2	8	7	...	...	1.7	1.7	1.7	...	...	3411
342	Printing,publishing	75	79	77	...	...	4.2	4.3	4.5	...	...	342
351	Industrial chemicals ... c/	19	10	11	...	...	3.2	5.8	3.1	...	...	351
3511	Basic excl fertilizers d/	9	6	6	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	50	58	62	...	...	4.8	4.8	6.2	...	...	352
3522	Drugs and medicines ..	9	9	9	...	...	1.1	1.0	1.1	...	...	3522
353	Petroleum refineries ... c/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. c/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	12	24	26	...	...	2.6	2.8	3.4	...	...	355
356	Plastic products n.e.c..	26	26	25	...	...	4.1	4.1	4.4	...	...	356
361	Pottery,china etc	6	6	6	...	...	0.8	0.8	0.8	...	...	361
362	Glass and products	5	6	6	...	...	0.6	0.6	0.7	...	...	362
369	Non-metal products n.e.c	40	46	46	...	...	6.4	6.7	7.0	...	...	369
371	Iron and steel	22	25	24	...	...	13.7	14.2	15.8	...	...	371
372	Non-ferrous metals	9	11	10	...	...	1.0	1.0	1.2	...	...	372
381	Metal products	185	189	189	...	...	14.0	13.3	14.4	...	...	381
382	Machinery n.e.c.	44	41	45	...	...	3.0	2.3	2.5	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	62	58	67	...	...	5.4	4.2	5.6	...	...	383
3832	Radio,television etc..	9	11	11	...	...	...	1.4	1.4	...	...	3832
384	Transport equipment	56	60	60	...	...	5.8	6.3	7.1	...	...	384
3841	Shipbuilding, repair..	-	-	-	...	...	-	-	-	...	...	3841
3843	Motor vehicles	45	48	48	...	...	4.3	4.7	5.1	...	...	3843
385	Professional goods	10	12	12	...	...	0.1	0.1	0.1	...	...	385
390	Other industries	59	55	55	...	...	1.6	1.6	1.6	...	...	390
3	Manufacturing	1094	1248	1341	...	...	168.0	171.3	210.7	...	...	3
410	Electricity,gas,steam .. e/	9	9	9	...	...	6.1	5.6	6.6	...	...	410
4101	Electricity	...	...	...	...	...	...	...	...	...	...	4101
420	Water works and supply .	7	7	7	...	...	0.5	0.5	0.6	...	...	420
4	Electricity,gas etc e/	16	16	16	...	...	6.6	6.1	7.2	...	...	4
2-4	All industry e/	1221	1392	1459	...	...	218.4	226.2	254.0	...	...	2-4

a/ Major group 210 is included in 290.
b/ Including manufacture of carpets.
c/ Major groups 353 and 354 are included in 351.
d/ Including manufacture of petroleum and gases.
e/ Excluding gas and steam.

ZIMBABWE

ISIC	INDUSTRY	3. AVERAGE NUMBER OF EMPLOYEES (THOUSANDS)					4. WAGES AND SALARIES OF EMPLOYEES a/ (MILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining ..... b/	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	-	-	-	...	...	-	-	-	...	...	220
230	Metal ore mining	33.7	38.2	26.4	...	...	154.1	188.2	143.5	...	...	230
290	Other mining ..... b/	10.1	10.6	9.7	...	...	46.8	57.7	57.0	...	...	290
2	Mining, quarrying .	43.8	48.8	36.1	...	...	200.9	245.9	200.5	...	...	2
311/2	Food products	28.1	27.6	28.3	...	...	122.4	174.8	188.4	...	...	311/2
313	Beverages	7.1	6.9	7.2	...	...	47.6	50.0	66.9	...	...	313
314	Tobacco	5.5	5.1	4.5	...	...	29.1	26.8	33.3	...	...	314
321	Textiles	20.6	22.0	24.3	...	...	89.7	108.2	114.7	...	...	321
3211	Spinning,weaving etc.. c/	16.3	17.3	19.0	...	...	72.7	88.1	102.1	...	...	3211
322	Wearing apparel	15.6	17.4	18.4	...	...	57.8	69.4	78.7	...	...	322
323	Leather and products ...	0.9	1.2	1.2	...	...	2.6	3.8	5.1	...	...	323
324	Footwear	4.7	4.9	5.6	...	...	25.3	27.5	34.8	...	...	324
331	Wood products	5.2	5.3	5.4	...	...	24.4	27.0	29.9	...	...	331
332	Furniture, fixtures	4.2	4.5	4.7	...	...	14.9	17.2	19.3	...	...	332
341	Paper and products	4.5	4.6	4.4	...	...	34.9	35.8	40.5	...	...	341
3411	Pulp,paper etc.	1.7	1.7	1.7	...	...	11.6	11.5	13.0	...	...	3411
342	Printing,publishing	4.2	4.3	4.5	...	...	38.0	41.3	47.8	...	...	342
351	Industrial chemicals ... d/	3.2	5.8	3.1	...	...	35.7	65.1	40.6	...	...	351
3511	Basic excl fertilizers e/	0.5	0.5	0.5	...	...	5.7	5.5	6.0	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	4.8	4.8	6.2	...	...	44.1	50.4	74.0	...	...	352
3522	Drugs and medicines ..	1.1	1.0	1.1	...	...	9.7	10.6	13.2	...	...	3522
353	Petroleum refineries ... d/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. d/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	2.6	2.8	3.4	...	...	19.3	21.4	25.9	...	...	355
356	Plastic products n.e.c..	4.1	4.1	4.4	...	...	27.1	30.0	33.9	...	...	356
361	Pottery,china etc	0.8	0.8	0.8	...	...	2.5	3.0	3.8	...	...	361
362	Glass and products	0.6	0.6	0.7	...	...	5.5	6.1	7.0	...	...	362
369	Non-metal products n.e.c	6.4	6.7	7.0	...	...	34.5	42.7	49.1	...	...	369
371	Iron and steel	13.7	14.2	15.8	...	...	105.6	115.8	167.7	...	...	371
372	Non-ferrous metals	1.0	1.0	1.2	...	...	5.1	5.7	8.1	...	...	372
381	Metal products	14.0	13.3	14.4	...	...	82.6	83.0	98.5	...	...	381
382	Machinery n.e.c.	3.0	2.3	2.5	...	...	19.0	15.1	18.7	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	5.4	4.2	5.6	...	...	27.5	37.8	45.2	...	...	383
3832	Radio,television etc..	1.4	1.4	1.4	...	...	7.6	7.6	10.6	...	...	3832
384	Transport equipment	5.8	6.3	7.1	...	...	48.3	49.3	61.6	...	...	384
3841	Shipbuilding, repair..	-	-	-	...	...	-	-	-	...	...	3841
3843	Motor vehicles	4.3	4.7	5.1	...	...	30.4	35.0	41.8	...	...	3843
385	Professional goods	0.1	0.1	0.1	...	...	0.8	1.0	1.0	...	...	385
390	Other industries	1.6	1.6	1.6	...	...	12.5	8.5	9.2	...	...	390
3	Manufacturing	168.0	171.3	210.7	...	...	993.0	1088.7	1490.4	...	...	3
410	Electricity,gas,steam .. f/	6.1	5.6	6.6	...	...	53.6	51.4	64.4	...	...	410
4101	Electricity	6.1	5.6	6.6	...	...	53.6	51.4	64.4	...	...	4101
420	Water works and supply .	0.5	0.5	0.6	...	...	3.4	4.0	4.3	...	...	420
4	Electricity,gas etc f/	6.6	6.1	7.2	...	...	57.0	55.4	68.7	...	...	4
2-4	All industry f/	218.4	226.2	254.0	...	...	1250.9	1390.0	1690.9	...	...	2-4

a/ Including employers' contributions to pension, medical aid and similar schemes.
b/ Major group 210 is included in 290.
c/ Including manufacture of carpets.
d/ Major groups 353 and 354 are included in 351.
e/ Including manufacture of petroleum and gases.
f/ Excluding gas and steam.

ISIC	INDUSTRY	5. OUTPUT IN FACTOR VALUES (MILLION DOLLARS)					6. VALUE ADDED IN FACTOR VALUES (MILLION DOLLARS)					ISIC
		1986	1987	1988	1989	1990	1986	1987	1988	1989	1990	
210	Coal mining ..... a/	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	-	-	-	...	...	-	-	-	...	...	220
230	Metal ore mining	645.5	880.1	774.9	...	...	426.8	620.1	553.0	...	...	230
290	Other mining ..... a/	169.6	234.1	220.0	..	...	120.9	180.8	138.0	...	...	290
2	Mining, quarrying .	815.1	1114.2	994.9	...	...	547.7	870.8	691.0	...	...	2
311/2	Food products	1010.8	1581.0	1651.1	...	...	339.7	410.0	400.7	...	...	311/2
313	Beverages	491.5	594.0	647.6	...	...	386.5	421.0	590.6	...	...	313
314	Tobacco	175.4	277.7	231.4	...	...	144.5	161.3	179.2	...	...	314
321	Textiles	516.1	686.3	818.0	...	...	194.0	234.8	364.4	...	...	321
3211	Spinning,weaving etc.. b/	509.0	589.7	777.0	...	...	155.9	189.7	337.8	...	...	3211
322	Wearing apparel	234.9	281.1	364.6	...	...	111.5	128.2	170.8	...	...	322
323	Leather and products ...	26.7	40.7	46.0	...	...	8.4	11.7	13.7	...	...	323
324	Footwear	126.7	157.3	194.0	...	...	80.4	94.8	112.7	...	...	324
331	Wood products	87.8	115.1	131.1	...	...	48.1	57.5	60.6	...	...	331
332	Furniture, fixtures	67.0	80.8	96.1	...	...	33.1	37.9	38.6	...	...	332
341	Paper and products	160.7	178.2	223.7	...	...	76.0	89.4	92.9	...	...	341
3411	Pulp,paper etc.	52.5	52.7	69.1	...	...	24.4	20.2	19.9	...	...	3411
342	Printing,publishing	128.9	149.6	179.4	...	...	87.4	104.9	119.4	...	...	342
351	Industrial chemicals ... c/	417.7	757.5	439.7	...	...	134.8	118.9	142.3	...	...	351
3511	Basic excl fertilizers d/	46.5	45.3	46.3	...	...	22.8	16.3	18.0	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products.	294.0	302.0	433.7	...	...	154.1	186.0	225.5	...	...	352
3522	Drugs and medicines ..	59.4	68.4	90.1	...	...	29.1	33.9	48.5	...	...	3522
353	Petroleum refineries ... c/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products. c/	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	119.2	135.0	190.5	...	...	44.9	57.1	82.2	...	...	355
356	Plastic products n.e.c..	152.0	177.0	225.4	...	...	82.7	84.1	125.0	...	...	356
361	Pottery,china etc	6.2	7.6	8.6	...	...	4.3	5.0	5.3	...	...	361
362	Glass and products	21.0	23.7	29.7	...	...	10.7	11.5	17.8	...	...	362
369	Non-metal products n.e.c	146.8	188.1	207.8	...	...	63.4	107.0	119.2	...	...	369
371	Iron and steel	386.9	460.7	791.0	...	...	208.9	166.0	439.9	...	...	371
372	Non-ferrous metals	33.5	31.2	48.1	...	...	16.3	15.1	22.1	...	...	372
381	Metal products	366.8	418.4	481.3	...	...	158.4	180.5	204.8	...	...	381
382	Machinery n.e.c.	111.2	78.0	96.8	...	...	81.4	40.3	50.3	...	...	382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ...	144.5	145.4	211.3	...	...	69.1	78.6	106.0	...	...	383
3832	Radio,television etc..	24.9	28.8	33.2	...	...	10.0	16.5	17.1	...	...	3832
384	Transport equipment	167.1	241.6	335.3	...	...	89.1	113.0	128.4	...	...	384
3841	Shipbuilding, repair..	-	-	-	...	...	-	-	-	...	...	3841
3843	Motor vehicles	135.2	188.6	242.0	...	...	64.4	82.1	105.2	...	...	3843
385	Professional goods	4.4	5.3	5.9	...	...	2.1	3.0	3.6	...	...	385
390	Other industries	32.0	36.7	42.8	..	...	19.7	21.0	21.4	...	...	390
3	Manufacturing	5791.0	6831.3	9388.6	...	...	2679.5	2955.1	4383.9	...	...	3
410	Electricity,gas,steam .. e/	490.0	381.6	410.9	...	...	268.9	262.7	380.9	...	...	410
4101	Electricity	490.0	381.6	410.9	...	...	268.9	262.7	380.9	...	...	4101
420	Water works and supply .	30.6	48.6	54.5	...	...	16.9	28.9	35.9	...	...	420
4	Electricity,gas etc e/	520.6	430.2	465.4	...	...	285.8	291.6	416.8	...	...	4
2-4	All industry e/	7209.2	8375.7	848.9	...	...	3513.0	4117.5	5491.7	...	...	2-4

a/ Major group 210 is included in 290.
b/ Including manufacture of carpets.
c/ Major groups 353 and 354 are included in 351.
d/ Including manufacture of petroleum and gases.
e/ Excluding gas and steam.

ZIMBABWE

7. GROSS FIXED CAPITAL FORMATION
TOTAL
(MILLION DOLLARS)

ISIC	INDUSTRY	1986	1987	1988	1989	1990	ISIC
210	Coal mining ..... a/	...	...	...	...	...	210
220	Petroleum and gas	-	-	-	...	...	220
230	Metal ore mining	32.1	51.3	60.2	...	...	230
290	Other mining ..... a/	25.3	49.7	82.7	...	...	290
2	Mining, quarrying .	57.4	111.0	142.9	...	...	2
311/2	Food products	49.2	59.6	79.0	...	...	311/2
313	Beverages	12.3	20.4	84.7	...	...	313
314	Tobacco	23.8	22.7	20.6	...	...	314
321	Textiles	5.1	39.4	55.0	...	...	321
3211	Spinning,weaving etc.. b/	52.2	33.1	45.8	...	...	3211
322	Wearing apparel	5.5	9.4	9.5	...	...	322
323	Leather and products ... c/	...	...	...	...	...	323
324	Footwear	4.8	23.0	8.3	...	...	324
331	Wood products	4.1	3.0	3.2	...	...	331
332	Furniture, fixtures	2.5	4.9	1.3	...	...	332
341	Paper and products	18.0	8.7	8.9	...	...	341
3411	Pulp,paper etc.	4.5	5.3	4.7	...	...	3411
342	Printing,publishing	4.6	8.5	7.9	...	...	342
351	Industrial chemicals ... d/	3.4	2.5	2.5	...	...	351
3511	Basic excl fertilizers e/	3.2	2.5	2.5	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	3513
352	Other chemical products.	10.4	25.2	18.2	...	...	352
3522	Drugs and medicines ..	1.8	1.2	1.8	...	...	3522
353	Petroleum refineries ... d/	...	...	...	...	...	353
354	Petroleum,coal products. d/	...	...	...	...	...	354
355	Rubber products	4.0	4.5	8.7	...	...	355
356	Plastic products n.e.c..	9.6	20.9	22.4	...	...	356
361	Pottery,china etc	[			...	...	361
362	Glass and products	5.4	3.3	1.5	...	...	362
369	Non-metal products n.e.c	]		]	...	...	369
371	Iron and steel	[			...	...	371
372	Non-ferrous metals	12.8	30.9	24.0	...	...	372
381	Metal products	[			...	...	381
382	Machinery n.e.c.	13.1	25.1	37.3	...	...	382
3825	Office,computing etc..	...	...	...	...	...	3825
383	Electrical machinery ...	15.1	22.3	29.1	...	...	383
3832	Radio,television etc..	...	...	...	...	...	3832
384	Transport equipment	9.0	12.3	13.9	...	...	384
3841	Shipbuilding, repair..	-	-	-	...	...	3841
3843	Motor vehicles	4.6	11.1	11.3	...	...	3843
385	Professional goods				...	...	385
390	Other industries ..... c/	[0.2	0.2	0.2]	...	...	390
3	Manufacturing	302.2	438.8	502.3	...	...	3
410	Electricity,gas,steam .. f/	42.4	40.5	136.8	...	...	410
4101	Electricity	42.4	40.5	136.8	...	...	4101
420	Water works and supply .	8.2	14.2	10.2	...	...	420
4	Electricity,gas etc f/	50.6	54.7	237.0	...	...	4
2-4	All industry f/	410.2	604.5	882.2	...	...	2-4

a/ Major group 210 is included in 290.
b/ Including manufacture of carpets.
c/ Major group 323 is included in 385 and 390 combined.
d/ Major groups 353 and 354 are included in 351.
e/ Including manufacture of petroleum and gases.
f/ Excluding gas and steam.

8. INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1980 = 100)

ISIC	INDUSTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	a/ RATE	ISIC
210	Coal mining	...	...	...	...	...	...	...	...	...	...	210
220	Petroleum and gas	...	...	...	...	...	...	...	...	...	...	220
230	Metal ore mining	...	...	...	...	...	...	...	...	...	...	230
290	Other mining	...	...	...	...	...	...	...	...	...	...	290
2	Mining, quarrying .	96	93	97	97	99	103	102	107	108	1.0	2
311/2	Food products	124	127	120	114	126	131	130	132	144	4.7	311/2
313	Beverages	92	90	87	95	96	108	117	114	130	3.3	313
314	Tobacco											314
321	Textiles	119	109	124	175	190	196	203	208	217	10.2	321
3211	Spinning,weaving etc..	...	...	...	...	...	...	...	...	...	...	3211
322	Wearing apparel ..... b/	119	109	98	112	107	120	120	138	145	4.8	322
323	Leather and products ...	...	...	...	...	...	...	...	...	...	...	323
324	Footwear ..... b/	...	...	...	...	...	...	...	...	...	...	324
331	Wood products	86	82	82	82	86	81	95	84	90	-1.3	331
332	Furniture, fixtures											332
341	Paper and products ..... c/	112	106	102	112	112	119	121	132	137	4.0	341
3411	Pulp,paper etc.	...	...	...	...	...	...	...	...	...	...	3411
342	Printing,publishing .... c/	...	...	...	...	...	...	...	...	...	...	342
351	Industrial chemicals ... d/	118	121	113	122	122	119	131	146	159	6.0	351
3511	Basic excl fertilizers	...	...	...	...	...	...	...	...	...	...	3511
3513	Synthetic resins etc .	...	...	...	...	...	...	...	...	...	...	3513
352	Other chemical products. d/	...	...	...	...	...	...	...	...	...	...	352
3522	Drugs and medicines ..	...	...	...	...	...	...	...	...	...	...	3522
353	Petroleum refineries ... d/	...	...	...	...	...	...	...	...	...	...	353
354	Petroleum,coal products.	...	...	...	...	...	...	...	...	...	...	354
355	Rubber products	...	...	...	...	...	...	...	...	...	...	355
356	Plastic products n.e.c..	...	...	...	...	...	...	...	...	...	...	356
361	Pottery,china etc											361
362	Glass and products	110	105	98	105	125	141	141	152	161	6.1	362
369	Non-metal products n.e.c											369
371	Iron and steel											371
372	Non-ferrous metals ..... e/	96	95	88	100	98	95	100	106	111	1.3	372
381	Metal products											381
382	Machinery n.e.c.											382
3825	Office,computing etc..	...	...	...	...	...	...	...	...	...	...	3825
383	Electrical machinery ... e/	...	...	...	...	...	...	...	...	...	...	383
3832	Radio,television etc..	...	...	...	...	...	...	...	...	...	...	3832
384	Transport equipment	178	146	117	97	99	84	104	147	147	4.9	384
3841	Shipbuilding, repair..	...	...	...	...	...	...	...	...	...	...	3841
3843	Motor vehicles	...	...	...	...	...	...	...	...	...	...	3843
385	Professional goods	...	...	...	...	...	...	...	...	...	...	385
390	Other industries	80	77	50	64	63	60	74	83	49	-8.5	390
3	Manufacturing	109	106	101	112	115	118	124	131	138	4.1	3
410	Electricity,gas,steam ..	...	...	...	...	...	...	...	...	...	...	410
4101	Electricity	91	95	97	111	132	171	177	208	202	9.2	4101
420	Water works and supply .	.	.	.	.	.	.	.	.	.	.	420
4	Electricity,gas etc	...	...	...	...	...	...	...	...	...	...	4
2-4	All industry	105	102	100	108	113	118	122	129	134	3.7	2-4

a/ Annual growth rate 1982-1990.
b/ Major group 324 is included in 322.
c/ Major group 342 is included in 341.
d/ Major groups 352 and 353 are included in 351.
e/ Major group 383 is included in 371 to 382 combined.

Part Two

INTERNATIONAL INDICES OF INDUSTRIAL PRODUCTION AND EMPLOYMENT

I. INTRODUCTION

The tables in this part contain a series of index numbers of industrial production and employment for the world, regions and economic groupings for the years 1978-1990. Separate series are shown for each major division or division as well as for certain major groups or combination of major groups of industry according to the International Standard Industrial Classification of All Economic Activities (ISIC)1/ for mining, manufacturing and electricity, gas and water.

The series in the tables are compiled by the Statistical Division of the United Nations based on replies to the quarterly United Nations Index of Industrial Production Questionnaire. Each series is compiled by use of the Laspeyres formula, that is, the indices are base-weighted arithmetic averages. The weight base year is 1980.

Except for the two series for ISICs 353-354 and 355-356, these series are similar to those published quarterly in the United Nations *Monthly Bulletin of Statistics* and annually in the United Nations *Statistical Yearbook* .

Index numbers of industrial production

The indices in the tables indicate changes over time in levels of industrial production. The elementary series used in compiling the indices for the various categories of industrial activity shown are generally the corresponding national indices officially compiled by national statistical authorities. In the case of Eastern European countries and the former USSR, the indices that serve as elementary series measure the movement in gross industrial output valued at constant enterprise prices, excluding turnover taxes. For other countries, the indices used as elementary series are measures of value added. Those indices indicate trends in value added at constant prices, generally at factor values.

In weighting the national indices at the division and major group levels of the ISIC, value added, generally at factor values, is used in each case. The measure of value added is the national accounts concept, which is total value added, defined as gross output less the cost of consumption of materials, supplies, fuel and electricity and services received. (For details, see Introduction to Part One.)

For countries excluding Eastern Europe and the former USSR, value added is derived from the results of industrial censuses or other inquiries relating to 1980 or proximate years. These census results are adjusted to ISIC and projected to the base year where necessary. The value added estimates in units of national currency are then converted into US dollars.

In the case of the Eastern European countries and the former USSR, value added estimates are computed separately for the major cost components, that is, compensation of employees, operating surplus and consumption of fixed capital, based on the official data provided by national statistical authorities or from data (average wages and salaries, cost structure, industrial origin of net material product etc.) extracted from national publications. Estimates thus obtained are adjusted to the ISIC and then converted into US dollars.

The national indices are adjusted to the ISIC where necessary, in order to make the coverage of the combined indices as homogeneous as possible. In a number of instances, countries make special calculations or make the necessary detailed information available to the Statistical Division. Where no official indices are available, indicators for important industry groups are compiled by the Statistical Division on the basis of published data on commodity production. These country group indices are then rebased to 1980 where necessary and combined by the use of 1980 weighting coefficients compiled by the Statistical Division.

1/ Statistical Papers, Series M, No. 4/Rev.2 (United Nations publication, Sales No. E.68.XVII.8).

The indices for the world are calculated in three consecutive stages. First, indices for the following groupings of countries are calculated: (i) Eastern Europe and the former USSR; (ii) developing countries excluding those under (i) above; and (iii) developed countries excluding those under (i) above. Secondly, the indices under (ii) and (iii) above are combined to form indices for the World, excluding Eastern Europe and the former USSR. Finally, the resulting indices are combined with those calculated under (i) above for Eastern Europe and the former USSR. Regarding indices for the groupings of countries, excluding Eastern Europe and the former USSR, the calculation is made first at the two-digit and three-digit levels (divisions and major groups) of the ISIC. Then, those indices are combined to form indices for all ISIC categories presented in the tables.

Index numbers of industrial employment

The indices are designed to measure trends in the average number of persons engaged. Estimates of number of persons engaged, including working proprietors and active business partners, unpaid family workers as well as employees, are used as weighting coefficients. These data are obtained, in most cases, from the results of industrial censuses or other inquiries. In order to make the coverage of the weights and the indices coincide as closely as possible, the figures are adjusted to the ISIC and projected to the base year where necessary.

The elementary series used in compiling the employment indices are generally national indices or absolute figures of employment. Available series of national indices are given preference where these series relate to the average number of persons engaged during the year and have the same coverage as that for the national indices used for the compilation of world production indices. Substitute series such as number of persons engaged are also used.

The employment indices for the world are calculated in three consecutive stages which are similar to those described above for the calculation of world indices of industrial production.

II. TABLES

A. INDEX NUMBERS OF INDUSTRIAL PRODUCTION

WORLD a/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-90)
210	Coal mining	1.9	94	97	100	102	101	101	106	107	107	108	107	99	0.4
220	Crude petroleum and natural gas	11.3	104	109	89	81	80	83	80	83	83	88	93	93	-0.9
230	Metal ore mining	1.3	98	100	100	97	98	104	108	109	113	122	129	136	2.8
290	Other mining	1.2	96	100	100	93	96	103	104	107	113	121	126	126	2.3
2	Mining and quarrying	15.7	102	106	92	86	85	88	87	90	91	96	100	100	-0.2
31	Food, beverages and tobacco	10.7	95	98	102	104	106	110	111	113	116	120	124	127	2.4
321	Textiles	4.4	97	100	99	97	99	100	103	106	109	110	112	107	0.8
322-324	Wearing apparel, leather and footwear	3.4	98	100	100	98	99	102	102	103	104	105	106	103	0.4
33	Wood products and furniture	3.2	101	104	98	94	99	104	104	109	114	119	122	120	1.4
34	Paper, printing and publishing	4.9	94	98	100	100	104	111	114	120	127	134	138	142	3.5
341	Paper and paper products	2.2	94	99	100	98	104	111	112	118	125	131	136	139	3.3
35	Chemical, petroleum, plastic products	11.2	96	101	101	99	104	111	114	119	126	134	138	138	3.1
353-354	Petroleum and coal products	2.1	100	103	98	97	99	105	104	110	116	125	128	130	2.2
355-356	Rubber and plastic products	2.4	96	101	99	98	104	112	116	121	128	138	142	139	3.1
36	Non-metallic mineral products	3.5	97	100	98	94	97	101	102	105	108	114	118	118	1.6
37	Basic metal industries	6.0	100	104	99	89	92	99	100	99	103	111	113	112	1.0
38	Metal products, machinery and equipment	29.1	94	98	102	99	102	112	118	123	128	137	144	144	3.6
383	Electrical machinery	6.1	90	96	103	104	113	130	135	140	149	162	170	170	5.4
384	Transport equipment	6.8	99	102	102	99	102	108	114	119	122	130	136	134	2.6
31-33, 342 355-56, 39	Light manufacturing	28.2	96	100	100	99	102	106	108	111	115	119	123	122	2.0
341, 351-54 36-38	Heavy manufacturing	49.6	95	100	101	98	101	110	114	118	123	131	137	137	3.1
3	Manufacturing	77.8	96	100	101	98	102	108	112	115	120	127	132	132	2.7
4	Electricity, gas and water	6.5	93	97	102	103	108	113	118	120	125	130	135	139	3.4
2-4	ALL INDUSTRY	100.0	96	100	99	97	99	105	108	112	116	122	127	127	2.4

a/ Excluding Albania, China, Democratic People's Republic of Korea and Viet Nam.

A. INDEX NUMBERS OF INDUSTRIAL PRODUCTION

World, excluding Eastern Europe and the former USSR

TOTAL a/ b/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-90)
210	Coal mining	1.6	90	96	102	104	101	100	106	107	106	106	108	101	1.0
220	Crude petroleum and natural gas	13.1	105	109	89	80	79	82	79	82	82	87	92	92	-1.1
230	Metal ore mining	1.5	98	100	101	97	98	104	109	109	113	123	130	138	2.9
290	Other mining	1.2	97	101	98	91	94	101	102	104	110	119	124	126	2.2
2	Mining and quarrying	17.3	102	107	92	84	83	87	85	88	89	94	99	99	-0.2
31	Food, beverages and tobacco	9.4	94	98	103	104	106	109	112	114	117	121	126	130	2.8
321	Textiles	3.7	97	100	99	96	98	100	102	106	109	109	110	107	0.8
322-324	Wearing apparel, leather and footwear	3.0	100	102	99	96	97	99	98	100	100	100	101	97	-0.2
33	Wood products and furniture	3.3	101	104	97	92	97	102	102	107	112	117	120	119	1.4
34	Paper, printing and publishing	5.6	94	98	100	100	104	111	114	120	126	133	138	142	3.5
341	Paper and paper products	2.5	94	99	100	98	104	111	112	118	125	130	135	139	3.3
35	Chemical, petroleum, plastic products	11.2	96	102	100	98	104	111	114	119	126	134	140	142	3.3
353-354	Petroleum and coal products	1.8	101	104	97	96	97	100	103	110	116	126	131	135	2.4
355-356	Rubber and plastic products	2.6	96	101	99	97	103	112	116	120	128	138	142	140	3.2
36	Non-metallic mineral products	3.4	97	100	97	92	94	98	99	102	105	111	115	116	1.5
37	Basic metal industries	6.0	101	106	99	87	90	98	99	96	101	109	112	112	0.9
38	Metal products, machinery and equipment	28.9	95	99	101	98	100	110	116	119	124	134	141	142	3.4
383	Electrical machinery	6.6	90	96	104	104	113	130	136	140	149	162	171	172	5.6
384	Transport equipment	7.3	100	102	101	98	101	107	113	117	120	128	134	133	2.4
31-33, 342 355-56, 39	Light manufacturing	26.2	97	100	100	99	101	106	108	111	115	119	123	124	2.1
341, 351-54 36-38	Heavy manufacturing	49.5	96	100	101	96	99	108	112	115	120	129	135	137	3.0
3	Manufacturing	75.7	96	100	100	97	100	107	111	114	118	126	131	132	2.7
4	Electricity, gas and water	6.9	93	98	102	103	107	112	118	120	125	130	135	139	3.4
2-4	ALL INDUSTRY	100.0	97	101	99	95	98	104	107	110	114	120	126	127	2.3

a/ Developed and Developing countries.
b/ Excluding China, Democratic People's Republic of Korea and Viet Nam.

A. INDEX NUMBERS OF INDUSTRIAL PRODUCTION

World, excluding Eastern Europe and the former USSR (continued)

DEVELOPED COUNTRIES a/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-90)
210	Coal mining	1.9	90	96	101	103	100	98	104	104	103	103	103	96	0.5
220	Crude petroleum and natural gas	4.7	88	95	106	101	101	106	108	102	103	101	98	99	1.0
230	Metal ore mining	1.2	100	102	100	94	96	106	109	109	116	128	138	148	3.3
290	Other mining	1.0	96	101	98	90	92	98	98	98	101	107	111	112	1.3
2	Mining and quarrying	8.8	91	97	103	99	99	103	106	103	104	106	106	107	1.4
31	Food, beverages and tobacco	9.1	96	99	102	102	103	105	107	109	111	114	116	117	1.7
321	Textiles	3.4	98	102	97	94	96	97	98	100	102	102	103	98	0.0
322-324	Wearing apparel, leather and footwear	3.1	102	104	97	94	95	96	94	94	93	91	90	85	-1.5
33	Wood products and furniture	3.7	103	105	96	91	97	102	102	106	112	116	118	116	1.0
34	Paper, printing and publishing	6.5	94	99	100	99	103	111	112	117	124	130	134	136	3.1
341	Paper and paper products	2.9	94	100	100	97	103	109	110	116	122	127	130	132	2.9
35	Chemical, petroleum, plastic products	11.6	98	103	100	96	101	108	110	113	118	125	130	128	2.2
353-354	Petroleum and coal products	1.6	106	108	95	91	89	91	90	94	93	97	99	99	-0.6
355-356	Rubber and plastic products	2.8	98	102	99	97	103	111	115	119	126	136	141	137	2.8
36	Non-metallic mineral products	3.6	98	102	96	90	92	96	96	97	99	105	108	108	0.8
37	Basic metal industries	6.9	103	107	99	85	88	95	96	92	95	104	106	104	0.1
38	Metal products, machinery and equipment	34.3	95	100	102	98	100	110	116	118	121	131	139	139	3.2
383	Electrical machinery	7.8	90	96	104	104	113	131	135	138	145	158	166	166	5.2
384	Transport equipment	8.7	101	103	102	98	101	107	113	117	119	126	133	131	2.2
31-33, 342 355-56, 39	Light manufacturing	27.0	98	101	99	97	100	104	105	108	111	115	117	116	1.4
341, 351-54 36-38	Heavy manufacturing	56.3	97	101	100	95	98	107	111	112	116	125	130	130	2.5
3	Manufacturing	83.3	97	101	100	96	99	106	109	111	114	121	126	126	2.2
4	Electricity, gas and water	7.8	94	98	101	102	105	110	114	116	120	124	128	130	2.7
2-4	ALL INDUSTRY	100.0	96	100	100	97	99	106	109	110	114	120	124	124	2.2

a/ North America (Canada and the United States), Western Europe (excluding Yugoslavia), Australia, Israel, Japan, New Zealand and South Africa.

A. INDEX NUMBERS OF INDUSRIAL PRODUCTION

World, excluding Eastern Europe and the former USSR (continued)

DEVELOPING COUNTRIES a/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-90)
210	Coal mining	0.5	91	95	109	113	118	129	139	147	149	153	163	170	5.4
220	Crude petroleum and natural gas	42.1	111	115	82	72	70	72	68	74	74	82	90	90	-1.7
230	Metal ore mining	2.5	95	97	102	100	101	102	108	110	109	114	117	120	2.0
290	Other mining	1.7	98	100	99	93	97	106	110	118	130	144	153	157	4.0
2	Mining and quarrying	46.8	110	113	84	74	73	76	72	78	79	86	94	94	-1.3
31	Food, beverages and tobacco	10.3	89	96	106	112	114	120	127	131	135	142	155	169	5.5
321	Textiles	4.7	93	96	102	101	105	108	113	121	126	126	129	132	3.0
322-324	Wearing apparel, leather and footwear	2.6	93	97	104	103	105	113	112	122	129	134	143	144	3.7
33	Wood products and furniture	2.0	90	98	101	100	100	105	107	112	117	124	127	133	3.3
34	Paper, printing and publishing	2.4	89	94	103	105	107	115	132	141	153	163	177	197	6.8
341	Paper and paper products	1.1	86	94	102	105	108	121	126	137	150	159	181	206	7.6
35	Chemical, petroleum, plastic products	9.7	88	95	103	108	114	123	131	142	158	173	183	200	7.1
353-354	Petroleum and coal products	2.3	91	97	102	107	113	118	131	146	166	191	200	212	7.3
355-356	Rubber and plastic products	1.6	88	93	96	97	104	116	117	128	137	148	152	158	5.0
36	Non-metallic mineral products	2.9	89	94	102	102	102	109	113	120	129	134	145	151	4.5
37	Basic metal industries	3.1	88	96	100	102	102	114	118	128	140	147	160	174	5.8
38	Metal products, machinery and equipment	10.4	87	94	100	97	99	112	119	137	153	164	173	184	6.4
383	Electrical machinery	2.5	88	95	99	101	113	130	142	176	210	231	243	269	9.8
384	Transport equipment	2.7	89	94	96	94	98	109	112	126	137	152	152	161	5.1
31-33, 342 355-56, 39	Light manufacturing	23.6	91	96	103	105	107	113	119	125	130	136	144	153	4.4
341, 351-54 36-38	Heavy manufacturing	25.6	88	95	101	102	105	116	123	136	151	162	173	187	6.5
3	Manufacturing	49.2	89	96	102	104	106	114	121	131	141	150	160	171	5.6
4	Electricity, gas and water	4.0	85	93	105	112	120	131	140	149	161	173	186	203	7.5
2-4	ALL INDUSTRY	100.0	99	104	94	90	91	97	99	107	113	121	130	136	2.7

a/ Caribbean, Central and South America, Africa (excluding South Africa), Asia (excluding China, Democratic People's Republic of Korea, Israel, Japan and Viet Nam), Oceania (excluding Australia and New Zealand) and Yugoslavia.

A. INDEX NUMBERS OF INDUSTRIAL PRODUCTION

Regions

NORTH AMERICA a/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-90)
210	Coal mining	1.6	78	92	97	98	94	110	110	109	114	120	121	129	4.3
220	Crude petroleum and natural gas	8.8	93	93	108	98	89	93	92	82	82	83	81	81	-1.1
230	Metal ore mining	1.2	98	103	104	85	85	107	107	107	119	132	143	145	3.3
290	Other mining	0.8	98	104	97	81	89	106	110	112	117	125	132	137	2.8
2	Mining and quarrying	12.4	92	94	105	95	90	98	97	90	92	96	95	97	0.4
31	Food, beverages and tobacco	7.5	95	98	102	100	103	107	110	112	115	118	120	122	2.1
321	Textiles	2.4	99	105	98	89	102	98	99	106	112	112	114	112	1.0
322-324	Wearing apparel, leather and footwear	2.6	105	105	96	86	91	96	91	94	97	98	100	94	-0.9
33	Wood products and furniture	3.9	110	111	102	95	112	123	128	136	145	150	150	147	2.4
34	Paper, printing and publishing	8.0	95	98	103	100	107	117	118	126	134	138	142	145	3.6
341	Paper and paper products	3.6	96	100	102	97	106	112	112	120	127	130	131	132	2.7
35	Chemical, petroleum, plastic products	10.8	99	104	103	95	103	111	114	119	126	132	136	138	2.8
353-354	Petroleum and coal products	1.6	109	108	98	92	91	94	93	99	100	103	106	108	-0.1
355-356	Rubber and plastic products	2.1	101	108	107	99	114	130	133	137	148	157	161	162	4.0
36	Non-metallic mineral products	2.6	106	110	100	86	96	105	108	111	113	116	116	113	0.5
37	Basic metal industries	6.3	117	118	106	72	82	92	91	85	92	102	101	99	-1.4
38	Metal products, machinery and equipment	34.1	100	106	102	92	97	114	117	118	122	133	138	139	2.8
383	Electrical machinery	6.7	92	101	103	98	107	125	122	121	126	134	138	140	3.6
384	Transport equipment	9.2	114	116	99	90	101	119	128	132	134	142	145	142	1.8
31-33, 342 355-56, 39	Light manufacturing	24.1	100	103	102	97	105	112	114	118	124	128	131	132	2.3
341, 351-54 36-38	Heavy manufacturing	55.3	102	107	103	90	96	110	112	114	119	127	131	132	2.2
3	Manufacturing	79.4	101	106	102	92	99	110	113	115	120	128	131	132	2.3
4	Electricity, gas and water	8.2	95	98	101	100	103	108	109	107	109	115	118	117	1.8
2-4	ALL INDUSTRY	100.0	100	104	102	93	98	109	110	111	116	123	126	126	1.9

a/ Canada and the United States.

A. INDEX NUMBERS OF INDUSTRIAL PRODUCTION

Regions (continued)

CARIBBEAN, CENTRAL AND SOUTH AMERICA

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-90)
210	Coal mining	0.2	91	102	113	113	124	134	138	135	134	157	150	151	4.3
220	Crude petroleum and natural gas	12.1	92	100	101	99	96	99	97	100	98	102	103	105	1.1
230	Metal ore mining	3.4	92	95	102	104	107	111	116	117	118	124	134	141	3.6
290	Other mining	1.1	91	95	96	84	80	89	87	88	104	99	94	98	0.6
2	Mining and quarrying	16.8	92	98	101	99	98	101	100	103	103	107	109	112	1.6
31	Food, beverages and tobacco	18.2	89	98	104	106	106	109	114	118	122	125	144	160	5.0
321	Textiles	5.2	92	100	93	92	88	91	95	103	106	108	112	114	1.8
322-324	Wearing apparel, leather and footwear	3.7	92	98	98	93	87	91	92	94	94	96	101	102	0.9
33	Wood products and furniture	3.0	88	99	99	96	89	93	94	99	104	106	105	112	2.0
34	Paper, printing and publishing	4.4	91	95	96	97	98	105	129	136	145	156	169	192	6.4
341	Paper and paper products	2.1	86	95	96	99	102	112	117	126	137	147	176	206	7.6
35	Chemical, petroleum, plastic products	14.0	87	94	100	102	102	109	117	128	145	158	171	195	7.0
353-354	Petroleum and coal products	3.6	90	93	108	107	105	103	119	147	186	237	257	274	9.7
355-356	Rubber and plastic products	2.6	84	93	90	88	92	98	101	110	116	118	124	132	3.8
36	Non-metallic mineral products	4.7	89	95	98	94	86	87	89	97	106	104	111	114	2.1
37	Basic metal industries	5.7	87	97	92	91	89	97	98	106	116	122	139	152	4.8
38	Metal products, machinery and equipment	17.2	84	92	89	80	73	79	84	95	100	100	102	101	1.6
383	Electrical machinery	3.5	84	91	86	85	77	81	90	110	113	109	113	111	2.4
384	Transport equipment	4.6	85	94	77	70	67	72	73	85	87	89	76	70	-1.6
31-33, 342 355-56, 39	Light manufacturing	36.8	90	98	99	99	97	101	107	112	116	119	130	141	3.8
341, 351-54 36-38	Heavy manufacturing	41.1	86	94	95	91	87	93	98	108	119	125	134	145	4.4
3	Manufacturing	77 9	88	96	97	95	92	97	102	110	118	122	132	143	4.1
4	Electricity, gas and water	5.3	84	92	103	108	113	121	128	137	148	157	166	182	6.7
2-4	ALL INDUSTRY	100.0	88	96	98	96	94	99	103	110	117	121	130	140	4.0

A. INDEX NUMBERS OF INDUSTRIAL PRODUCTION

Regions (continued)

ASIA a/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-90)
210	Coal mining	0.5	97	96	106	108	109	116	124	130	132	129	139	141	3.2
220	Crude petroleum and natural gas	29.9	121	120	81	67	66	66	61	70	71	80	90	87	-2.7
230	Metal ore mining	0.7	90	94	102	96	83	80	83	83	85	91	96	90	0.0
290	Other mining	1.3	93	100	100	101	103	108	111	118	135	156	169	178	5.6
2	Mining and quarrying	32.4	118	118	83	70	68	69	64	73	75	84	94	91	-2.1
31	Food, beverages and tobacco	6.7	94	98	107	112	116	121	125	126	131	138	144	149	3.9
321	Textiles	4.3	96	97	103	101	107	109	111	114	119	118	119	122	2.0
322-324	Wearing apparel, leather and footwear	1.7	98	99	107	107	113	120	118	128	140	143	148	148	3.5
33	Wood products and furniture	2.1	103	104	95	94	94	93	92	94	99	103	106	110	0.6
34	Paper, printing and publishing	4.0	...	...	...	...	...	...	...	...	...	...	...	...	...
341	Paper and paper products	1.6	91	98	99	102	107	116	120	126	136	146	157	166	5.1
35	Chemical, petroleum, plastic products	9.4	93	100	101	104	112	122	126	132	142	154	160	170	5.2
353-354	Petroleum and coal products	2.9	96	102	97	100	108	114	122	127	135	144	148	157	4.2
355-356	Rubber and plastic products	2.2	92	98	99	101	109	120	122	126	134	147	151	158	4.6
36	Non-metallic mineral products	3.0	92	96	98	99	104	112	114	114	120	131	139	147	4.0
37	Basic metal industries	6.8	90	98	97	96	96	106	108	107	112	121	124	131	3.2
38	Metal products, machinery and equipment	22.7	84	90	107	110	117	138	147	153	164	186	200	216	8.2
383	Electrical machinery	6.5	79	88	113	121	146	189	200	211	236	276	295	318	12.3
384	Transport equipment	5.3	83	85	108	104	101	109	116	117	119	132	144	159	5.6
31-33, 342 355-56, 39	Light manufacturing	20.5	95	98	103	104	106	112	115	118	123	130	134	138	3.2
341, 351-54 36-38	Heavy manufacturing	41.3	87	94	104	105	112	127	134	138	148	164	175	188	6.6
3	Manufacturing	61.8	90	96	103	105	110	122	127	131	140	153	161	171	5.5
4	Electricity, gas and water	5.8	92	97	103	107	115	124	130	133	141	152	161	175	5.5
2-4	ALL INDUSTRY	100.0	99	103	97	94	97	105	107	112	119	130	139	146	3.3

a/ Excluding China, Democratic People's Republic of Korea and Viet Nam.

A. INDEX NUMBERS OF INDUSRIAL PRODUCTION

Regions (continued)

ASIA, EXCLUDING ISRAEL AND JAPAN a/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-90)
210	Coal mining	0.8	92	95	109	113	117	129	141	152	161	162	178	187	6.1
220	Crude petroleum and natural gas	59.7	121	120	81	67	66	66	61	70	71	80	90	87	-2.7
230	Metal ore mining	1.3	87	93	102	95	81	77	78	77	82	90	98	91	0.4
290	Other mining	1.1	95	102	106	113	117	129	138	154	189	228	252	267	9.0
2	Mining and quarrying	62.9	119	119	82	69	68	68	64	72	74	84	94	91	-2.2
31	Food, beverages and tobacco	5.6	89	94	114	127	132	147	157	157	166	182	192	205	7.2
321	Textiles	4.7	93	93	107	104	115	117	122	131	140	138	141	148	4.0
322-324	Wearing apparel, leather and footwear	1.8	94	94	113	113	127	139	136	156	179	185	198	198	6.4
33	Wood products and furniture	1.2	91	92	104	111	118	124	124	130	138	153	165	178	5.8
34	Paper, printing and publishing	1.2	...	...	...	...	...	...	...	...	...	...	...	...	...
341	Paper and paper products	0.6	84	92	117	121	126	152	157	175	198	207	224	246	9.4
35	Chemical, petroleum, plastic products	8.3	90	97	105	112	126	139	147	160	176	193	200	213	7.4
353-354	Petroleum and coal products	4.2	93	101	99	105	117	125	138	147	159	171	176	185	5.9
355-356	Rubber and plastic products	1.2	94	95	102	109	124	146	144	159	174	202	201	209	6.9
36	Non-metallic mineral products	2.0	92	94	106	112	124	142	149	153	165	180	197	208	7.0
37	Basic metal industries	1.8	88	95	113	121	128	147	157	174	194	204	212	238	8.6
38	Metal products, machinery and equipment	6.5	92	95	115	121	139	166	177	214	256	290	308	354	11.9
383	Electrical machinery	2.1	92	98	108	112	144	175	192	248	324	378	400	469	14.5
384	Transport equipment	1.6	96	92	124	132	145	167	171	193	222	263	283	331	10.9
31-33, 342 355-56, 39	Light manufacturing	16.1	91	94	109	114	120	130	136	145	154	165	172	180	5.8
341, 351-54 36-38	Heavy manufacturing	18.0	90	96	110	117	131	150	159	180	206	227	240	267	9.5
3	Manufacturing	34.1	91	95	110	116	126	141	148	164	182	198	208	226	7.9
4	Electricity, gas and water	3.0	87	94	107	118	132	145	158	167	184	202	222	248	9.1
2-4	ALL INDUSTRY	100.0	109	110	92	86	89	95	95	106	114	126	137	142	2.2

a/ Excluding China, Democratic People's Republic of Korea and Viet Nam.

A. INDEX NUMBERS OF INDUSTRIAL PRODUCTION

Regions (continued)

EASTERN EUROPE AND THE FORMER USSR a/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-90)
210	Coal mining	3.8	100	101	96	100	102	103	104	107	108	110	106	95	-0.4
220	Crude petroleum and natural gas	2.0	96	97	103	105	106	107	108	111	115	116	115	110	1.1
230	Metal ore mining	0.4	103	100	95	96	97	98	100	102	105	107	108	103	0.0
290	Other mining	1.3	95	98	104	104	108	111	114	121	124	131	132	128	2.5
2	Mining and quarrying	7.6	98	99	99	102	104	105	106	110	112	115	113	105	0.6
31	Food, beverages and tobacco	17.8	96	100	101	103	108	112	110	110	113	117	120	117	1.7
321	Textiles	7.8	98	99	100	99	101	101	104	106	108	112	115	107	0.7
322-324	Wearing apparel, leather and footwear	5.6	92	95	102	103	104	109	112	113	115	120	123	121	2.3
33	Wood products and furniture	2.3	97	97	102	104	110	114	118	124	127	134	137	130	2.5
34	Paper, printing and publishing	1.4	...	...	...	...	...	...	...	...	...	...	...	...	...
341	Paper and paper products	0.8	100	97	102	105	110	115	119	126	129	135	137	132	2.3
35	Chemical, petroleum, plastic products	11.2	94	96	102	104	108	112	115	120	123	129	130	123	2.3
353-354	Petroleum and coal products	3.6	96	97	100	102	104	106	107	111	114	119	120	116	1.6
355-356	Rubber and plastic products	1.5	92	96	102	105	111	116	120	126	131	138	142	134	3.2
36	Non-metallic mineral products	4.1	97	98	102	104	108	111	113	119	123	128	131	124	2.1
37	Basic metal industries	6.0	97	99	100	101	104	108	110	115	116	120	119	110	1.0
38	Metal products, machinery and equipment	29.7	89	95	104	108	115	123	132	140	148	156	157	150	4.4
383	Electrical machinery	3.2	88	94	102	105	112	121	131	140	151	160	162	149	4.5
384	Transport equipment	3.7	91	96	104	107	114	121	128	135	142	149	151	142	3.8
31-33, 342, 355-56, 39	Light manufacturing	38.0	94	97	100	101	105	109	110	111	115	119	122	116	1.8
341, 351-54, 36-38	Heavy manufacturing	50.4	92	96	103	106	112	118	124	131	137	143	144	138	3.4
3	Manufacturing	88.4	93	96	101	104	109	114	118	123	127	133	135	128	2.7
4	Electricity, gas and water	4.0	92	95	102	106	109	116	120	124	129	132	132	133	3.1
2-4	ALL INDUSTRY	100.0	93	96	101	104	108	113	117	122	126	132	133	127	2.6

a/ Bulgaria, Czechoslovakia, Hungary, Poland, Romania and the former USSR.

A. INDEX NUMBERS OF INDUSTRIAL PRODUCTION

Regions (continued)

WESTERN EUROPE a/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-90)
210	Coal mining	2.4	95	97	103	104	102	91	100	101	96	93	92	78	-1.6
220	Crude petroleum and natural gas	3.5	78	97	102	108	119	128	132	133	135	129	126	128	4.2
230	Metal ore mining	0.3	101	102	91	83	86	92	90	81	76	76	78	78	-2.1
290	Other mining	0.8	100	103	99	95	94	98	95	95	96	102	103	102	0.2
2	Mining and quarrying	6.9	87	98	102	104	109	110	116	116	115	112	110	106	1.7
31	Food, beverages and tobacco	10.6	95	98	102	102	103	105	106	108	110	113	115	117	1.8
321	Textiles	4.1	97	101	96	95	93	96	98	100	101	101	102	94	-0.3
322-324	Wearing apparel, leather and footwear	3.9	101	104	97	98	96	96	96	96	92	89	88	82	-1.7
33	Wood products and furniture	3.8	98	101	94	90	90	92	89	92	96	101	105	102	0.3
34	Paper, printing and publishing	5.6	95	100	98	97	99	106	105	109	115	122	126	127	2.4
341	Paper and paper products	2.5	94	99	99	97	101	108	108	112	117	122	126	125	2.4
35	Chemical, petroleum, plastic products	12.6	98	102	98	97	101	106	109	112	115	123	127	120	1.7
353-354	Petroleum and coal products	1.6	103	109	92	90	88	89	89	92	91	95	95	92	-0.9
355-356	Rubber and plastic products	3.2	98	101	96	96	99	105	110	114	120	130	136	127	2.2
36	Non-metallic mineral products	4.2	97	100	94	91	91	92	91	93	95	100	105	103	0.5
37	Basic metal industries	5.8	101	104	98	91	91	96	98	95	96	104	106	101	0.0
38	Metal products, machinery and equipment	34.0	96	98	99	99	99	101	107	111	113	120	127	123	2.1
383	Electrical machinery	8.0	94	96	100	102	104	112	119	124	128	135	143	134	3.0
384	Transport equipment	8.5	98	100	102	103	103	101	106	112	115	121	130	124	2.0
31-33, 342 355-56, 39	Light manufacturing	29.9	98	101	98	97	98	100	101	104	106	109	112	109	0.9
341, 351-54 36-38	Heavy manufacturing	55.9	97	100	99	97	98	101	105	108	110	117	122	118	1.6
3	Manufacturing	85.8	97	100	99	97	98	101	104	106	109	114	119	115	1.4
4	Electricity, gas and water	7.3	94	98	101	102	105	107	115	118	123	126	129	131	2.8
2-4	ALL INDUSTRY	100.0	96	100	99	98	99	102	105	108	110	115	119	116	1.6

a/ Excluding Yugoslavia.

A. INDEX NUMBERS OF INDUSTRIAL PRODUCTION

Regions (continued)

EUROPEAN ECONOMIC COMMUNITY a/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-90)
210	Coal mining	2.7	95	97	103	104	102	90	99	100	95	92	90	77	-1.7
220	Crude petroleum and natural gas	3.2	80	101	104	110	121	127	132	131	129	117	102	102	2.0
230	Metal ore mining	0.2	105	101	88	79	80	86	81	69	62	63	66	68	-3.6
290	Other mining	0.8	101	103	99	94	92	96	93	92	94	100	102	101	0.0
2	Mining and quarrying	6.9	89	100	102	105	109	108	113	112	110	104	96	91	0.2
31	Food, beverages and tobacco	10.6	95	98	102	102	103	105	107	109	111	114	117	118	1.8
321	Textiles	4.2	98	101	96	95	93	96	98	100	101	101	103	95	-0.3
322-324	Wearing apparel, leather and footwear	3.9	102	105	97	98	96	96	95	94	91	88	87	81	-1.9
33	Wood products and furniture	3.4	99	102	94	89	89	90	86	89	94	100	104	101	0.2
34	Paper, printing and publishing	4.9	95	100	98	96	97	104	102	106	112	120	124	125	2.3
341	Paper and paper products	2.0	95	100	98	98	100	106	107	110	116	121	126	125	2.3
35	Chemical, petroleum, plastic products	13.0	99	103	98	96	100	106	108	111	114	122	125	118	1.5
353-354	Petroleum and coal products	1.7	103	109	92	89	86	87	87	90	88	93	93	88	-1.3
355-356	Rubber and plastic products	3.3	98	102	96	96	99	105	110	114	121	132	138	129	2.3
36	Non-metallic mineral products	4.2	99	101	94	90	90	91	89	91	93	99	104	102	0.2
37	Basic metal industries	5.9	102	104	98	91	89	94	95	92	93	101	104	98	-0.3
38	Metal products, machinery and equipment	34.6	97	99	99	98	99	101	106	110	112	119	127	122	1.9
383	Electrical machinery	8.4	94	96	100	101	104	111	118	123	126	133	141	132	2.9
384	Transport equipment	9.0	98	100	102	103	103	101	105	111	115	122	131	125	2.0
31-33, 342 355-56, 39	Light manufacturing	29.6	98	101	98	97	98	100	101	103	106	110	112	109	0.9
341, 351-54 36-38	Heavy manufacturing	56.5	98	100	99	96	97	100	104	107	109	116	122	117	1.5
3	Manufacturing	86.0	98	101	98	97	97	100	103	106	108	114	118	114	1.3
4	Electricity, gas and water	7.1	94	99	100	101	104	105	113	117	121	124	127	128	2.7
2-4	ALL INDUSTRY	100.0	97	100	99	98	99	101	104	107	109	114	118	114	1.4

a/ Belgium, Denmark, France, Germany (Germany, Federal Republic of, as defined prior to 3 October 1990, and the former German Democratic Republic), Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain and the United Kingdom.

A. INDEX NUMBERS OF INDUSTRIAL PRODUCTION

Regions (continued)

EUROPEAN FREE TRADE ASSOCIATION a/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-90)
210	Coal mining	0.1	173	126	111	124	165	159	200	190	171	122	165	154	-1.0
220	Crude petroleum and natural gas	6.5	67	81	96	96	113	130	136	146	162	179	228	241	11.3
230	Metal ore mining	0.5	88	104	95	83	94	102	106	104	106	103	101	99	1.0
290	Other mining	0.6	91	98	96	104	108	111	113	119	111	113	117	122	2.5
2	Mining and quarrying	7.7	71	84	96	96	112	126	133	141	155	169	211	221	9.9
31	Food, beverages and tobacco	10.4	94	98	100	101	100	101	102	103	104	105	108	110	1.3
321	Textiles	2.7	95	99	97	91	88	92	94	93	91	91	90	88	-0.6
322-324	Wearing apparel, leather and footwear	2.9	94	96	99	96	93	93	93	92	87	79	75	73	-2.1
33	Wood products and furniture	6.8	94	99	93	90	92	95	94	97	100	103	109	112	1.5
34	Paper, printing and publishing	11.4	93	98	101	99	106	113	116	120	126	132	134	134	3.1
341	Paper and paper products	6.6	90	99	100	95	103	110	112	115	121	126	128	126	2.8
35	Chemical, petroleum, plastic products	9.8	91	97	101	100	107	115	119	118	125	135	143	147	4.1
353-354	Petroleum and coal products	0.7	106	112	102	110	118	120	121	124	136	131	134	159	3.4
355-356	Rubber and plastic products	2.2	91	98	95	93	96	104	110	109	113	119	117	120	2.3
36	Non-metallic mineral products	3.5	86	94	97	96	97	99	104	104	109	109	112	118	2.7
37	Basic metal industries	5.0	94	104	97	95	103	111	112	109	112	121	124	122	2.2
38	Metal products, machinery and equipment	30.3	92	95	100	99	99	103	111	114	114	120	126	129	2.9
383	Electrical machinery	4.4	90	95	107	108	113	122	133	142	148	158	172	178	5.8
384	Transport equipment	4.8	99	100	100	104	104	104	111	110	107	107	108	106	0.6
31-33, 342 355-56, 39	Light manufacturing	30.7	95	98	98	97	97	100	102	104	105	107	109	111	1.3
341, 351-54 36-38	Heavy manufacturing	53.2	91	96	100	98	101	106	112	114	117	123	128	131	3.1
3	Manufacturing	83.9	92	97	99	98	100	104	108	110	112	117	121	124	2.5
4	Electricity, gas and water	8.4	93	99	106	107	114	117	125	125	135	139	142	147	3.9
2-4	ALL INDUSTRY	100.0	91	96	99	98	102	107	112	114	118	123	130	133	3.2

a/ Austria, Finland, Iceland, Norway, Sweden and Switzerland.

A. INDEX NUMBERS OF INDUSTRIAL PRODUCTION

Regions (continued)

OCEANIA

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-90)
210	Coal mining	4.7	99	99	100	115	104	107	112	114	136	132	166	145	3.2
220	Crude petroleum and natural gas	2.5	116	119	102	96	106	128	146	130	140	132	124	147	2.0
230	Metal ore mining	7.4	107	107	102	126	131	142	187	206	243	301	350	429	12.3
290	Other mining	1.4	95	94	93	96	79	83	88	84	79	80	77	76	-1.8
2	Mining and quarrying	16.0	105	105	100	116	115	124	150	156	181	206	237	271	8.2
31	Food, beverages and tobacco	13.7	101	98	102	99	100	103	105	107	109	109	112	113	0.9
321	Textiles	2.7	99	100	100	92	97	101	105	104	99	103	98	97	-0.2
322-324	Wearing apparel, leather and footwear	3.0	87	93	99	88	88	92	95	89	82	82	75	67	-2.2
33	Wood products and furniture	4.3	86	95	95	92	96	101	107	103	108	115	120	116	2.5
34	Paper, printing and publishing	6.8	93	97	105	141	143	146	147	150	155	161	153	156	4.4
341	Paper and paper products	2.2	90	98	93	90	94	97	100	100	105	110	112	111	1.8
35	Chemical, petroleum, plastic products	8.8	95	100	100	97	91	92	92	96	102	116	118	115	1.6
353-354	Petroleum and coal products	0.8	102	103	102	100	104	103	102	102	108	110	112	115	1.0
355-356	Rubber and plastic products	2.8	98	95	99	92	70	70	66	76	72	97	90	87	-1.0
36	Non-metallic mineral products	3.5	91	97	102	91	90	97	104	99	104	130	127	121	2.4
37	Basic metal industries	8.3	96	98	95	79	85	91	97	95	94	103	111	112	1.3
38	Metal products, machinery and equipment	21.3	99	102	103	86	79	86	94	89	92	96	102	96	-0.2
383	Electrical machinery	3.3	84	92	97	78	79	80	82	83	86	82	85	82	-0.2
384	Transport equipment	6.2	115	108	111	108	90	96	101	85	87	92	103	86	-2.4
31-33, 342 355-56, 39	Light manufacturing	31.8	96	97	102	105	105	108	110	111	112	116	115	114	1.4
341, 351-54 36-38	Heavy manufacturing	41.3	96	101	100	87	85	91	97	94	98	105	111	107	0.9
3	Manufacturing	73.1	96	99	101	95	94	99	103	102	104	110	112	110	1.1
4	Electricity, gas and water	10.9	90	94	105	108	113	120	127	134	139	146	152	154	4.6
2-4	ALL INDUSTRY	100.0	97	100	101	100	99	105	113	114	120	129	137	140	3.1

B. INDEX NUMBERS OF INDUSTRIAL EMPLOYMENT

WORLD a/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-89)
210	Coal mining	1.8	97	99	102	103	106	107	107	106	104	102	100	...	0.3
220	Crude petroleum and natural gas	0.5	92	95	107	112	114	116	117	116	114	117	117	...	2.2
230	Metal ore mining	31.0	100	99	97	93	94	91	91	88	86	84	84	...	-1.6
290	Other mining	1.2	...	...	...	...	...	...	...	...	...	...	...	...	...
2	Mining and quarrying	4.5	97	99	101	100	102	101	101	100	98	97	96	...	-0.1
31	Food, beverages and tobacco	13.9	96	98	101	101	99	97	103	104	108	106	107	...	1.0
321	Textiles	9.9	100	100	95	94	90	89	86	86	86	83	82	...	-1.8
322-324	Wearing apparel, leather and footwear	8.8	100	101	100	99	101	104	106	107	114	113	115	...	1.3
33	Wood products and furniture	6.2	98	99	98	98	100	104	108	107	112	124	132	...	2.7
34	Paper, printing and publishing	4.4	97	99	100	99	99	99	100	100	103	104	105	...	0.7
341	Paper and paper products	1.7	99	100	100	97	96	96	96	96	96	96	97	...	-0.2
35	Chemical, petroleum, plastic products	7.4	97	99	100	99	99	100	104	105	107	107	109	...	1.4
353-354	Petroleum and coal products	1.0	...	...	...	...	...	...	...	...	...	...	...	...	...
355-356	Rubber and plastic products	2.5	96	100	100	98	100	103	107	110	114	118	121	...	2.1
36	Non-metallic mineral products	5.5	98	99	100	100	101	101	103	102	103	104	104	...	0.5
37	Basic metal industries	4.1	99	100	98	95	91	91	89	88	87	86	86	...	-1.3
38	Metal products, machinery and equipment	30.0	98	100	99	97	98	98	99	99	99	99	99	...	0.1
383	Electrical machinery	6.9	...	...	...	...	...	...	...	...	...	...	...	...	...
384	Transport equipment	7.2	...	...	...	...	...	...	...	...	...	...	...	...	...
31-33, 342 355-56, 39	Light manufacturing	46.2	98	100	99	98	98	98	100	101	105	105	107	...	0.8
341, 351-54 36-38	Heavy manufacturing	46.3	98	100	99	98	98	98	99	98	99	99	99	...	0.1
3	Manufacturing	92.5	98	100	99	98	98	98	100	100	102	102	103	...	0.4
4	Electricity, gas and water	3.0	94	97	103	106	109	112	110	111	114	116	117	...	2.0
2-4	ALL INDUSTRY	100.0	98	99	99	98	98	98	100	100	102	102	103	...	0.4

a/ Excluding Albania, China, Democratic People's Republic of Korea and Viet Nam.

B. INDEX NUMBERS OF INDUSTRIAL EMPLOYMENT

World, excluding Eastern Europe and the former USSR.

TOTAL a/ b/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-89)
210	Coal mining	1.2	98	100	100	100	99	98	97	95	90	87	84	...	-1.4
220	Crude petroleum and natural gas	0.5	91	95	108	113	111	112	112	110	108	110	110	...	1.7
230	Metal ore mining	1.2	100	99	97	92	90	88	87	84	82	80	80	...	-2.0
290	Other mining	0.9	...	...	...	...	...	...	...	...	...	...	...	...	...
2	Mining and quarrying	3.9	98	99	100	98	97	95	95	92	90	88	88	...	-1.0
31	Food, beverages and tobacco	15.4	96	97	101	101	99	95	103	105	109	107	108	...	1.1
321	Textiles	10.7	100	100	94	94	91	90	87	88	87	84	84	...	-1.6
322-324	Wearing apparel, leather and footwear	9.0	100	102	100	99	102	107	108	110	119	117	121	...	1.8
33	Wood products and furniture	6.6	97	99	97	97	99	105	109	109	114	129	138	...	3.3
34	Paper, printing and publishing	5.2	97	99	99	99	99	99	100	100	103	104	106	...	0.8
341	Paper and paper products	2.0	99	100	99	96	96	96	95	95	95	96	98	...	-0.1
35	Chemical, petroleum, plastic products	7.8	97	100	99	98	98	100	103	104	107	108	110	...	1.2
353-354	Petroleum and coal products	1.0	...	...	...	...	...	...	...	...	...	...	...	...	...
355-356	Rubber and plastic products	2.9	96	100	99	98	100	103	107	110	115	120	124	...	2.4
36	Non-metallic mineral products	5.2	97	98	100	100	102	100	104	102	103	105	108	...	1.0
37	Basic metal industries	4.3	100	101	97	93	88	88	86	85	83	84	84	...	-1.6
38	Metal products, machinery and equipment	26.8	98	100	99	96	95	97	97	96	97	98	99	...	0.1
383	Electrical machinery	7.7	...	...	...	...	...	...	...	...	...	...	...	...	...
384	Transport equipment	7.9	...	...	...	...	...	...	...	...	...	...	...	...	...
31-33, 342 355-56, 39	Light manufacturing	49.8	98	99	98	98	98	98	102	102	107	108	110	...	1.0
341, 351-54 36-38	Heavy manufacturing	43.1	98	100	99	96	95	96	97	96	97	98	99	...	0.1
3	Manufacturing	92.9	98	100	99	97	97	98	99	100	102	103	105	...	0.6
4	Electricity, gas and water	3.2	94	97	104	106	110	112	110	110	114	116	117	...	2.0
2-4	ALL INDUSTRY	100.0	98	100	99	98	97	98	100	100	102	103	105	...	0.6

a/ Developed and Developing countries.
b/ Excluding China, Democratic People's Republic of Korea and Viet Nam.

B. INDEX NUMBERS OF INDUSTRIAL EMPLOYMENT

World, excluding Eastern Europe and the former USSR (continued)

DEVELOPED COUNTRIES a/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-90)
210	Coal mining	1.4	99	102	98	98	93	89	84	80	74	68	63	60	-4.1
220	Crude petroleum and natural gas	0.4	76	86	114	121	114	114	114	108	100	105	98	97	2.0
230	Metal ore mining	1.0	96	98	102	96	94	94	92	95	93	91	89	85	-1.0
290	Other mining	0.8	102	104	96	90	86	83	81	79	77	76	77	78	-2.2
2	Mining and quarrying	3.5	96	99	101	98	94	92	89	87	83	80	77	75	-2.0
31	Food, beverages and tobacco	9.9	101	101	98	97	96	95	95	95	95	96	96	97	-0.3
321	Textiles	6.4	107	104	91	87	85	84	80	80	80	78	78	78	-2.6
322-324	Wearing apparel, leather and footwear	6.4	103	102	95	90	91	89	86	84	85	84	82	82	-1.9
33	Wood products and furniture	5.6	102	102	93	87	87	86	84	84	85	86	86	87	-1.3
34	Paper, printing and publishing	7.0	98	99	98	96	96	97	97	98	100	101	102	104	0.5
341	Paper and paper products	2.6	101	101	97	93	92	92	89	89	88	88	89	90	-1.0
35	Chemical, petroleum, plastic products	8.9	100	101	98	96	95	96	96	96	98	99	101	103	0.2
353-354	Petroleum and coal products	1.2	...	...	...	...	...	...	...	...	...	...	...	...	...
355-356	Rubber and plastic products	3.5	100	101	98	96	96	100	100	102	107	110	114	119	1.5
36	Non-metallic mineral products	4.1	102	102	96	91	88	87	84	83	84	84	85	86	-1.4
37	Basic metal industries	5.5	103	103	96	88	79	78	74	72	70	69	69	68	-3.4
38	Metal products, machinery and equipment	37.6	99	101	98	94	94	95	95	94	94	95	95	96	-0.2
383	Electrical machinery	11.6	...	...	...	...	...	...	...	...	...	...	...	...	...
384	Transport equipment	11.8	...	...	...	...	...	...	...	...	...	...	...	...	...
31-33, 342 355-56, 39	Light manufacturing	38.0	102	102	96	92	92	92	90	90	91	92	92	93	-0.8
341, 351-54 36-38	Heavy manufacturing	55.2	100	101	98	94	92	92	92	91	90	91	91	92	-0.7
3	Manufacturing	93.2	101	101	97	93	92	92	91	90	91	91	92	93	-0.7
4	Electricity, gas and water	3.3	96	98	102	103	104	104	104	103	104	104	103	104	0.7
2-4	ALL INDUSTRY	100.0	101	101	97	94	92	92	91	91	91	91	92	92	-0.8

a/ North America (Canada and the United States), Western Europe (excluding Yugoslavia), Australia, Israel, Japan, New Zealand and South Africa.

B. INDEX NUMBERS OF INDUSTRIAL EMPLOYMENT

World, excluding Eastern Europe and former USSR (continued)

DEVELOPING COUNTRIES a/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-89)
210	Coal mining	1.1	96	97	104	103	107	110	117	117	114	114	115	...	1.7
220	Crude petroleum and natural gas	0.7	101	101	103	107	109	110	111	111	113	114	118	...	1.4
230	Metal ore mining	1.5	103	100	93	89	88	82	83	75	74	72	73	...	-3.1
290	Other mining	1.1	...	...	...	...	...	...	...	...	...	...	...	...	...
2	Mining and quarrying	4.4	99	99	100	98	100	97	100	97	96	96	98	...	-0.1
31	Food, beverages and tobacco	21.9	93	95	102	103	101	96	107	110	116	113	115	...	1.9
321	Textiles	15.7	97	98	95	97	94	94	91	91	91	87	86	...	-1.1
322-324	Wearing apparel, leather and footwear	12.0	98	102	103	105	108	118	123	126	140	138	145	...	3.6
33	Wood products and furniture	7.8	92	96	101	106	110	122	131	130	139	167	183	...	6.4
34	Paper, printing and publishing	3.0	94	99	104	105	107	105	108	108	113	115	118	...	2.1
341	Paper and paper products	1.2	93	97	106	106	106	106	111	110	114	118	121	...	2.4
35	Chemical, petroleum, plastic products	6.3	92	98	102	102	104	106	115	117	122	121	124	...	2.8
353-354	Petroleum and coal products	0.6	...	...	...	...	...	...	...	...	...	...	...	...	...
355-356	Rubber and plastic products	2.1	88	99	102	101	106	110	121	127	133	140	145	...	4.6
36	Non-metallic mineral products	6.5	93	96	102	108	111	110	119	116	118	121	125	...	2.7
37	Basic metal industries	2.9	92	96	100	106	109	114	112	115	113	116	118	...	2.3
38	Metal products, machinery and equipment	13.9	92	98	101	99	99	103	103	103	109	110	112	...	1.8
383	Electrical machinery	2.9	...	...	...	...	...	...	...	...	...	...	...	...	...
384	Transport equipment	3.4	...	...	...	...	...	...	...	...	...	...	...	...	...
31-33, 342 355-56, 39	Light manufacturing	63.8	95	98	100	102	102	103	110	112	118	120	124	...	2.4
341, 351-54 36-38	Heavy manufacturing	28.7	92	97	102	103	103	106	109	109	113	114	116	...	2.1
3	Manufacturing	92.5	94	98	101	102	102	104	110	111	116	118	121	...	2.3
4	Electricity, gas and water	3.1	...	...	...	...	...	...	...	...	...	...	...	...	...
2-4	ALL INDUSTRY	100.0	94	98	101	102	103	104	109	110	116	117	121	...	2.3

a/ Caribbean, Central and South America, Africa (excluding South Africa), Asia (excluding China, Democratic People's Republic of Korea, Israel, Japan and Viet Nam), Oceania (excluding Australia and New Zealand) and Yugoslavia.

B. INDEX NUMBERS OF INDUSTRIAL EMPLOYMENT

Regions

NORTH AMERICA a/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-90)
210	Coal mining	1.1	86	104	92	96	86	83	79	74	69	68	62	59	-3.1
220	Crude petroleum and natural gas	1.1	76	86	116	124	115	113	113	106	95	101	92	88	1.2
230	Metal ore mining	0.7	91	97	104	82	69	67	60	56	53	58	61	64	-2.9
290	Other mining	0.6	97	101	97	90	88	91	90	85	80	81	86	86	-1.0
2	Mining and quarrying	3.5	86	96	103	102	92	91	88	83	77	79	76	74	-1.2
31	Food, beverages and tobacco	8.1	100	101	98	97	94	93	92	92	94	95	96	98	-0.2
321	Textiles	4.7	107	104	96	90	91	90	85	84	88	88	86	87	-1.7
322-324	Wearing apparel, leather and footwear	6.6	101	100	97	89	90	85	77	73	76	75	72	72	-2.8
33	Wood products and furniture	4.9	103	106	94	85	89	93	92	93	102	102	102	106	0.2
34	Paper, printing and publishing	9.4	94	98	100	99	99	101	102	103	108	109	110	112	1.5
341	Paper and paper products	3.4	98	101	98	93	93	94	92	92	89	90	92	91	-0.6
35	Chemical, petroleum, plastic products	8.7	102	102	99	98	96	98	98	97	102	104	107	111	0.7
353-354	Petroleum and coal products	0.8	100	104	103	102	98	92	85	82	78	77	72	70	-2.9
355-356	Rubber and plastic products	3.4	106	107	99	97	98	104	106	107	120	125	130	139	2.3
36	Non-metallic mineral products	3.0	104	106	96	86	86	87	85	85	91	91	93	96	-0.7
37	Basic metal industries	5.1	104	108	97	78	70	74	68	64	64	66	66	67	-3.6
38	Metal products, machinery and equipment	40.2	98	102	99	93	90	94	94	91	93	94	93	95	-0.3
383	Electrical machinery	9.3	94	99	100	97	96	103	102	98	81	83	81	80	-1.3
384	Transport equipment	8.5	106	108	98	89	90	96	100	100	102	103	103	104	-0.2
31-33, 342 355-56, 39	Light manufacturing	35.7	101	102	98	93	94	94	92	91	97	98	98	101	0.0
341, 351-54 36-38	Heavy manufacturing	57.0	99	102	98	92	89	92	91	88	90	91	91	92	-0.6
3	Manufacturing	92.7	100	102	98	92	90	93	91	89	92	94	94	96	-0.3
4	Electricity, gas and water	3.8	94	97	105	104	106	106	109	107	109	107	108	108	1.2
2-4	ALL INDUSTRY	100.0	99	102	99	93	91	93	92	90	93	94	94	95	-0.3

a/ Canada and the United States.

B. INDEX NUMBERS OF INDUSTRIAL EMPLOYMENT

Regions (continued)

CARIBBEAN, CENTRAL AND SOUTH AMERICA

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-89)
210	Coal mining	0.4	...	...	...	...	...	...	...	...	...	...	...	...	...
220	Crude petroleum and natural gas	1.2	89	96	101	111	116	118	116	113	114	114	118	...	2.6
230	Metal ore mining	2.5	...	...	...	...	...	...	...	...	...	...	...	...	...
290	Other mining	1.6	...	...	...	...	...	...	...	...	...	...	...	...	...
2	Mining and quarrying	5.7	...	...	...	...	...	...	...	...	...	...	...	...	...
31	Food, beverages and tobacco	21.5	94	97	99	100	100	102	104	104	103	105	108	...	1.3
321	Textiles	7.2	102	102	95	90	84	85	84	84	83	83	82	...	-2.0
322-324	Wearing apparel, leather and footwear	9.3	96	99	98	95	92	109	109	115	112	116	121	...	2.1
33	Wood products and furniture	6.4	...	...	...	...	...	...	...	...	...	...	...	...	...
34	Paper, printing and publishing	4.8	97	101	97	96	98	94	94	95	96	98	101	...	0.4
341	Paper and paper products	1.9	97	101	99	98	100	99	100	101	101	102	105	...	0.7
35	Chemical, petroleum, plastic products	8.9	96	100	98	97	95	102	104	105	106	110	112	...	1.4
353-354	Petroleum and coal products	1.0	...	...	...	...	...	...	...	...	...	...	...	...	...
355-356	Rubber and plastic products	3.0	92	98	97	97	97	114	122	124	125	134	138	...	3.8
36	Non-metallic mineral products	6.3	97	99	95	90	83	91	90	92	90	91	92	...	-0.5
37	Basic metal industries	3.9	96	100	95	93	90	91	90	87	86	85	83	...	-1.3
38	Metal products, machinery and equipment	20.7	92	97	95	85	81	88	88	88	88	90	91	...	-0.1
383	Electrical machinery	3.7	...	...	...	...	...	...	...	...	...	...	...	...	...
384	Transport equipment	5.0	...	...	...	...	...	...	...	...	...	...	...	...	...
31-33, 342 355-56, 39	Light manufacturing	51.8	96	98	98	96	94	100	101	102	102	105	107	...	1.0
341, 351-54 36-38	Heavy manufacturing	38.7	95	98	96	89	85	91	90	90	90	92	92	...	-0.3
3	Manufacturing	90.5	96	98	97	93	90	96	96	97	97	99	101	...	0.5
4	Electricity, gas and water	3.8	...	...	...	...	...	...	...	...	...	...	...	...	...
2-4	ALL INDUSTRY	100.0	96	98	97	94	92	97	98	98	98	100	102	...	0.6

B. INDEX NUMBERS OF INDUSTRIAL EMPLOYMENT

Regions (continued)

ASIA a/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-89)
210	Coal mining	1.1	96	97	104	104	107	109	114	114	109	107	106	...	0.9
220	Crude petroleum and natural gas	0.4	97	95	103	104	104	102	103	104	104	106	108	...	1.0
230	Metal ore mining	0.5	99	96	99	95	96	89	89	84	79	80	80	...	-1.9
290	Other mining	0.6	94	96	110	107	108	94	94	93	89	82	88	...	-0.6
2	Mining and quarrying	2.6	96	96	104	103	104	101	103	101	98	96	97	...	0.1
31	Food, beverages and tobacco	19.7	94	95	102	103	100	93	108	111	119	115	116	...	1.9
321	Textiles	16.2	98	99	93	95	93	92	89	90	89	84	84	...	-1.4
322-324	Wearing apparel, leather and footwear	11.6	99	103	103	105	109	117	122	124	140	137	143	...	3.4
33	Wood products and furniture	8.0	93	97	98	105	108	120	130	129	137	166	183	...	6.4
34	Paper, printing and publishing	3.4	98	100	103	104	106	105	106	108	112	114	116	...	1.6
341	Paper and paper products	1.3	97	99	104	104	104	104	99	104	107	110	113	...	1.4
35	Chemical, petroleum, plastic products	6.0	94	98	102	104	106	107	116	118	123	122	125	...	2.6
353-354	Petroleum and coal products	0.5	...	...	...	...	...	...	...	...	...	...	...	...	...
355-356	Rubber and plastic products	2.4	91	100	102	103	110	111	119	127	132	138	142	...	4.1
36	Non-metallic mineral products	6.2	94	96	102	110	112	110	120	117	119	122	126	...	2.7
37	Basic metal industries	3.0	98	98	100	107	110	116	111	112	110	112	114	...	1.4
38	Metal products, machinery and equipment	17.9	94	98	102	103	105	109	110	110	113	114	116	...	1.9
383	Electrical machinery	4.6	...	...	...	...	...	...	...	...	...	...	...	...	...
384	Transport equipment	3.9	...	...	...	...	...	...	...	...	...	...	...	...	...
31-33, 342, 355-56, 39	Light manufacturing	62.9	96	98	99	102	102	102	109	111	118	119	122	...	2.2
341, 351-54, 36-38	Heavy manufacturing	32.0	94	98	102	105	107	109	112	111	114	115	117	...	2.0
3	Manufacturing	94.9	96	98	100	103	103	104	110	111	116	118	121	...	2.1
4	Electricity, gas and water	2.5	90	96	102	106	112	118	110	111	120	124	126	...	3.1
2-4	ALL INDUSTRY	100.0	95	98	100	103	104	105	110	111	116	117	120	...	2.2

a/ Excluding China, Democratic People's Republic of Korea and Viet Nam.

B. INDEX NUMBERS OF INDUSTRIAL EMPLOYMENT

Regions (continued)

ASIA, EXCLUDING ISRAEL AND JAPAN a/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-89)
210	Coal mining	1.3	95	96	105	105	109	112	118	118	115	115	114	...	1.7
220	Crude petroleum and natural gas	0.5	97	95	103	104	104	102	103	104	105	106	109	...	1.1
230	Metal ore mining	0.6	97	96	99	95	97	89	89	85	82	83	83	...	-1.4
290	Other mining	0.6	...	...	...	...	...	...	...	...	...	...	...	...	...
2	Mining and quarrying	3.0	96	96	105	104	106	102	105	104	101	100	102	...	0.6
31	Food, beverages and tobacco	22.4	93	94	103	104	101	93	109	113	121	116	117	...	2.1
321	Textiles	18.2	97	98	94	97	95	94	91	92	91	87	86	...	-1.1
322-324	Wearing apparel, leather and footwear	13.6	99	103	104	106	111	119	125	127	145	141	148	...	3.7
33	Wood products and furniture	8.4	90	95	101	111	116	131	144	142	154	191	211	...	8.0
34	Paper, printing and publishing	2.3	95	100	108	111	113	112	113	115	124	125	129	...	2.8
341	Paper and paper products	1.0	92	97	110	111	110	111	110	117	122	127	133	...	3.4
35	Chemical, petroleum, plastic products	5.5	91	98	102	105	108	109	121	124	131	128	132	...	3.4
353-354	Petroleum and coal products	0.5	...	...	...	...	...	...	...	...	...	...	...	...	...
355-356	Rubber and plastic products	1.9	87	101	104	105	112	111	124	134	142	149	155	...	5.4
36	Non-metallic mineral products	6.7	92	95	104	113	117	115	127	123	126	130	135	...	3.6
37	Basic metal industries	2.4	96	96	102	114	120	130	123	128	126	130	133	...	3.0
38	Metal products, machinery and equipment	11.8	91	99	103	105	105	110	110	108	117	117	118	...	2.4
383	Electrical machinery	2.7	...	...	...	...	...	...	...	...	...	...	...	...	...
384	Transport equipment	2.8	...	...	...	...	...	...	...	...	...	...	...	...	...
31-33, 342 355-56, 39	Light manufacturing	68.9	95	98	101	104	104	104	112	114	123	124	128	...	2.7
341, 351-54 36-38	Heavy manufacturing	25.5	92	97	103	108	110	113	117	116	122	122	125	...	2.8
3	Manufacturing	94.4	94	98	101	105	105	107	114	115	122	123	127	...	2.8
4	Electricity, gas and water	2.3	88	95	103	108	115	123	114	114	126	130	133	...	3.8
2-4	ALL INDUSTRY	100.0	94	98	102	105	106	107	114	114	122	123	127	...	2.8

a/ Excluding China, Democratic People's Republic of Korea and Viet Nam.

B. INDEX NUMBERS OF INDUSTRIAL EMPLOYMENT

Regions (continued)

EASTERN EUROPE AND THE FORMER USSR a/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-90)
210	Coal mining	3.7	96	99	103	106	115	116	118	119	120	119	118	117	1.7
220	Crude petroleum and natural gas	0.5	96	98	107	108	126	131	136	138	137	144	145	153	4.0
230	Metal ore mining	0.5	98	99	99	101	118	118	120	119	116	112	111	113	1.2
290	Other mining	1.9	...	...	...	...	...	...	...	...	...	...	...	...	...
2	Mining and quarrying	6.6	97	99	102	104	112	112	114	114	114	113	112	111	1.1
31	Food, beverages and tobacco	9.2	100	100	102	102	102	103	103	100	100	100	99	100	0.0
321	Textiles	7.4	100	100	100	98	83	82	81	81	80	77	75	74	-2.5
322-324	Wearing apparel, leather and footwear	8.4	99	99	101	101	99	97	98	98	99	96	96	98	-0.1
33	Wood products and furniture	4.3	101	101	100	100	100	100	100	100	101	99	98	95	-0.5
34	Paper, printing and publishing	2.1	99	99	100	98	98	98	98	98	98	95	93	93	-0.5
341	Paper and paper products	1.0	98	99	100	100	101	101	101	101	99	96	92	90	-0.7
35	Chemical, petroleum, plastic products	6.4	98	99	101	102	103	103	110	110	109	107	106	106	0.7
353-354	Petroleum and coal products	1.2	...	...	...	...	...	...	...	...	..	...	...	...	...
355-356	Rubber and plastic products	1.4	97	98	102	103	104	105	105	105	104	102	99	98	0.1
36	Non-metallic mineral products	6.6	99	100	100	101	101	101	102	101	101	99	95	93	-0.5
37	Basic metal industries	3.7	99	99	101	100	101	101	102	102	100	97	93	90	-0.8
38	Metal products, machinery and equipment	40.6	97	99	101	101	106	102	103	104	103	102	99	98	0.1
383	Electrical machinery	4.2	...	...	...	...	...	...	...	...	...	...	...	...	...
384	Transport equipment	4.8	...	...	...	...	...	...	...	...	...	...	...	...	...
31-33, 342 355-56, 39	Light manufacturing	34.3	100	100	101	100	99	94	95	94	94	93	92	92	-0.7
341, 351-54 36-38	Heavy manufacturing	56.9	98	99	101	101	104	102	103	104	103	102	99	98	0.0
3	Manufacturing	91.2	98	99	101	101	102	99	100	100	100	98	96	95	-0.3
4	Electricity, gas and water	2.2	95	98	100	103	105	107	110	112	114	114	115	116	1.7
2-4	ALL INDUSTRY	100.0	98	99	101	101	103	100	101	101	101	100	98	97	-0.1

a/ Bulgaria, Czechoslovakia, Hungary, Poland, Romania and the former USSR.

B. INDEX NUMBERS OF INDUSTRIAL EMPLOYMENT

Regions (continued)

WESTERN EUROPE a/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-90)
210	Coal mining	1.7	102	100	99	98	95	91	84	81	76	70	66	63	-3.9
220	Crude petroleum and natural gas	0.2	74	86	107	114	115	122	122	114	122	121	131	140	5.5
230	Metal ore mining	0.3	104	101	98	92	94	92	87	84	77	74	72	71	-3.1
290	Other mining	0.8	110	110	97	93	87	83	81	80	77	75	75	73	-3.4
2	Mining and quarrying	3.0	103	102	99	96	94	91	86	83	79	75	72	70	-3.2
31	Food, beverages and tobacco	10.3	101	101	98	97	96	95	94	94	94	94	94	95	-0.5
321	Textiles	6.5	107	105	94	89	86	87	83	83	83	81	82	82	-2.2
322-324	Wearing apparel, leather and footwear	6.8	104	103	94	89	92	91	89	88	89	87	86	85	-1.7
33	Wood products and furniture	5.8	101	100	95	90	90	89	86	84	84	84	85	86	-1.3
34	Paper, printing and publishing	5.8	100	100	97	94	93	93	92	91	93	93	95	97	-0.2
341	Paper and paper products	2.2	102	101	95	92	89	89	88	87	87	87	88	89	-1.1
35	Chemical, petroleum, plastic products	9.5	100	100	97	94	92	93	92	93	94	95	97	99	-0.1
353-354	Petroleum and coal products	0.5	...	...	...	...	...	...	...	...	...	...	...	...	...
355-356	Rubber and plastic products	3.4	98	100	96	93	92	93	92	94	96	99	102	106	0.7
36	Non-metallic mineral products	4.6	102	101	95	91	89	87	83	81	81	81	81	82	-1.8
37	Basic metal industries	5.8	101	101	94	90	79	76	74	72	70	69	68	67	-3.4
38	Metal products, machinery and equipment	37.0	102	101	96	93	92	91	91	92	91	90	92	92	-0.9
383	Electrical machinery	8.4	...	...	...	...	...	...	...	...	...	...	...	...	...
384	Transport equipment	9.2	...	...	...	...	...	...	...	...	...	...	...	...	...
31-33, 342 355-56, 39	Light manufacturing	37.7	102	102	96	92	92	92	90	89	90	89	90	91	-1.0
341, 351-54 36-38	Heavy manufacturing	55.8	102	101	96	93	90	89	88	89	88	88	88	89	-1.1
3	Manufacturing	93.6	102	101	96	93	91	90	89	89	89	88	89	90	-1.0
4	Electricity, gas and water	3.4	96	98	101	102	102	103	103	103	104	104	104	105	0.8
2-4	ALL INDUSTRY	100.0	102	101	96	93	91	91	89	89	89	88	89	90	-1.0

a/ Excluding Yugoslavia.

B. INDEX NUMBERS OF INDUSTRIAL EMPLOYMENT

Regions (continued)

EUROPEAN ECONOMIC COMMUNITY a/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-90)
210	Coal mining	1.8	102	101	98	97	94	89	81	78	72	66	61	58	-4.6
220	Crude petroleum and natural gas	0.1	68	82	103	109	111	117	114	102	113	112	116	122	5.0
230	Metal ore mining	0.2	108	100	96	86	88	84	76	72	65	64	62	62	-4.5
290	Other mining	0.8	113	111	97	91	86	82	79	77	75	73	73	71	-3.8
2	Mining and quarrying	3.0	104	102	98	95	92	88	82	78	74	70	67	64	-4.0
31	Food, beverages and tobacco	10.3	102	101	98	96	94	94	93	92	92	92	92	94	-0.7
321	Textiles	6.6	108	105	93	87	85	85	80	80	80	78	79	80	-2.5
322-324	Wearing apparel, leather and footwear	6.8	105	104	93	87	90	89	86	84	85	83	81	81	-2.1
33	Wood products and furniture	5.4	102	101	95	89	88	88	84	81	81	82	83	84	-1.6
34	Paper, printing and publishing	5.4	101	100	96	93	92	92	91	90	91	92	94	97	-0.3
341	Paper and paper products	2.0	103	102	95	91	88	88	87	86	86	85	86	88	-1.3
35	Chemical, petroleum, plastic products	9.8	101	100	96	93	91	92	91	91	92	93	95	98	-0.2
353-354	Petroleum and coal products	0.5	...	...	...	...	...	...	...	...	...	...	...	...	...
355-356	Rubber and plastic products	3.6	98	100	95	92	91	92	91	93	95	98	102	107	0.7
36	Non-metallic mineral products	4.7	103	101	95	90	87	85	81	79	79	79	79	80	-2.1
37	Basic metal industries	5.8	103	102	94	88	77	73	70	69	66	64	63	62	-4.1
38	Metal products, machinery and equipment	37.5	102	102	96	92	91	90	89	90	89	89	90	91	-1.0
383	Electrical machinery	8.8	...	...	...	...	...	...	...	...	...	...	...	...	...
384	Transport equipment	9.5	...	...	...	...	...	...	...	...	...	...	...	...	...
31-33, 342 355-56, 39	Light manufacturing	37.3	103	102	95	91	90	90	87	86	87	87	88	89	-1.2
341, 351-54 36-38	Heavy manufacturing	56.3	102	102	96	92	89	88	87	87	86	86	86	87	-1.3
3	Manufacturing	93.6	103	102	95	91	90	89	87	86	86	86	87	88	-1.3
4	Electricity, gas and water	3.3	97	98	101	102	101	101	101	100	101	101	101	102	0.4
2-4	ALL INDUSTRY	100.0	102	102	96	92	90	89	87	87	86	86	87	88	-1.2

a/ Belgium, Denmark, France, Germany (Germany, Federal Republic of, as defined prior to 3 October 1990, and former German Democratic Republic), Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain and the United Kingdom.

B. INDEX NUMBERS OF INDUSTRIAL EMPLOYMENT

Regions (continued)

EUROPEAN FREE TRADE ASSOCIATION a/

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-90)
210	Coal mining	0.2	110	100	108	98	93	87	87	87	78	67	51	43	-7.5
220	Crude petroleum and natural gas	0.2	84	93	131	135	132	150	166	172	168	170	176	178	6.5
230	Metal ore mining	0.7	102	103	97	92	87	83	81	71	60	52	45	41	-7.3
290	Other mining	0.7	105	106	97	96	90	85	82	83	83	81	86	90	-1.3
2	Mining and quarrying	1.8	102	102	103	100	95	93	94	91	85	81	79	78	-2.2
31	Food, beverages and tobacco	10.8	99	99	101	106	104	100	100	101	98	98	96	94	-0.4
321	Textiles	4.1	101	100	95	88	80	80	78	77	73	69	67	63	-3.8
322-324	Wearing apparel, leather and footwear	5.0	104	102	96	92	89	85	83	80	77	68	64	58	-4.8
33	Wood products and furniture	8.4	99	99	96	94	92	89	88	86	87	86	87	86	-1.2
34	Paper, printing and publishing	10.3	97	98	98	95	93	93	93	93	94	92	94	92	-0.4
341	Paper and paper products	5.8	99	99	98	92	89	88	87	86	86	85	88	85	-1.3
35	Chemical, petroleum, plastic products	8.0	97	98	98	98	97	97	97	98	99	99	98	98	0.1
353-354	Petroleum and coal products	0.4	...	...	...	...	...	...	...	...	...	...	...	...	...
355-356	Rubber and plastic products	2.5	101	102	97	95	92	93	96	96	98	98	97	95	-0.5
36	Non-metallic mineral products	3.5	100	100	97	95	93	92	92	91	92	92	93	92	-0.7
37	Basic metal industries	6.2	98	99	98	96	88	84	84	81	81	80	80	82	-1.5
38	Metal products, machinery and equipment	36.7	99	99	99	97	94	93	94	94	92	92	92	90	-0.8
383	Electrical machinery	5.6	...	...	...	...	...	...	...	...	...	...	...	...	...
384	Transport equipment	7.7	...	...	...	...	...	...	...	...	...	...	...	...	...
31-33, 342 355-56, 39	Light manufacturing	38.3	100	100	98	97	94	92	92	91	90	88	87	84	-1.4
341, 351-54 36-38	Heavy manufacturing	56.4	98	99	99	97	93	92	93	92	91	91	91	90	-0.7
3	Manufacturing	94.7	99	99	98	97	94	92	93	92	91	90	90	88	-1.0
4	Electricity, gas and water	3.5	97	98	101	104	104	105	105	106	106	107	105	105	0.7
2-4	ALL INDUSTRY	100.0	99	99	98	97	94	92	93	92	91	90	90	88	-1.0

a/ Austria, Finland, Iceland, Norway, Sweden and Switzerland.

B. INDEX NUMBERS OF INDUSTRIAL EMPLOYMENT

Regions (continued)

OCEANIA

1980=100

ISIC	BRANCH OF ACTIVITY	% WEIGHT (1980)	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	Annual growth rate (78-90)
210	Coal mining	1.6	100	97	110	124	128	125	126	129	126	112	109	104	0.3
220	Crude petroleum and natural gas	0.2	...	...	...	...	...	...	...	...	...	...	...	...	...
230	Metal ore mining	2.3	93	93	106	106	98	96	97	94	91	98	98	99	0.5
290	Other mining	0.7	101	101	109	100	101	105	106	106	104	104	101	102	0.1
2	Mining and quarrying	4.8	97	96	108	112	109	109	109	110	108	106	105	104	0.6
31	Food, beverages and tobacco	16.1	99	96	98	97	99	96	95	96	94	97	96	97	-0.2
321	Textiles	3.8	102	100	95	94	91	89	95	92	90	90	84	80	-2.0
322-324	Wearing apparel, leather and footwear	6.0	95	99	95	96	92	92	96	96	94	94	93	95	0.0
33	Wood products and furniture	6.6	96	97	101	105	99	98	103	103	102	107	109	112	1.3
34	Paper, printing and publishing	8.3	96	97	101	101	102	102	102	103	105	106	107	110	1.1
341	Paper and paper products	2.4	98	99	98	97	94	92	88	87	83	83	82	85	-1.2
35	Chemical, petroleum, plastic products	7.8	98	101	99	100	99	97	97	97	95	96	95	95	-0.3
353-354	Petroleum and coal products	0.4	...	...	...	...	...	...	...	...	...	...	...	...	...
355-356	Rubber and plastic products	3.5	93	96	97	98	90	88	88	89	89	92	95	97	0.4
36	Non-metallic mineral products	3.4	102	101	107	103	93	89	91	91	90	88	90	90	-1.0
37	Basic metal industries	6.0	94	96	103	102	91	85	84	82	80	82	78	76	-1.8
38	Metal products, machinery and equipment	29.1	98	99	99	101	92	88	87	87	85	88	89	90	-0.7
383	Electrical machinery	4.6	...	...	...	...	...	...	...	...	...	...	...	...	...
384	Transport equipment	9.0	...	...	...	...	...	...	...	...	...	...	...	...	...
31-33, 342 355-56, 39	Light manufacturing	43.1	97	97	98	99	97	96	98	98	98	100	100	102	0.4
341, 351-54 36-38	Heavy manufacturing	45.4	98	100	100	101	93	89	89	88	86	88	88	88	-0.9
3	Manufacturing	88.5	97	98	99	100	95	92	93	93	92	94	94	95	-0.2
4	Electricity, gas and water	6.7	99	97	102	112	114	114	112	111	113	111	107	106	0.6
2-4	ALL INDUSTRY	100.0	97	98	100	101	97	95	95	95	94	96	95	96	-0.1

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