



COMPILATION GUIDE

INDUSTRIAL PRODUCTION INDEX

[BASE: AVERAGE 4 QUARTERS 2008= 100.0]

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Printer:

Enquiries:

Fiji Bureau of Statistics
Ratu Sukuna House
MacArthur Street
Suva
Fiji

P O Box 2221
Government Buildings
Suva
Fiji

Telephone: [679] 3315822
Fax No.: [679] 3303656
E-mail: info@statsfiji.gov.fj
Website: www.statsfiji.gov.fj

Preface

The Compilation Guide on the Industrial Production Index (Base Average 4 Quarters 2008 = 100.0) aims to educate users of the index on how the Industrial Production Index with the Base 2008 = 100.0 is constructed by the Economic Statistics Division of the Fiji Bureau of Statistics.

To all of you who have helped compile this publication, I extend to you my sincere gratitude.

Your comments and suggestions on the compilation guide will be welcomed.



E Waqavonovono
Government Statistician

NOTES

1 Totals are subject to rounding errors.

2 Key to Abbreviations:

IPI	Industrial Production Index
FBOS	Fiji Bureau of Statistics
FSIC	Fiji Standard Industrial Classification
GDP	Gross Domestic Product
VA	Value Added

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1.0 Introduction

- 1.1 The Industrial Production index measures the real output of the mining and quarrying, manufacturing, electricity and water sector. It is compiled based on a fixed basket of industries, commodities and establishments, and a weight – pattern in the base year thus Industrial Production Index (IPI) has been re-weighted and now has as its Base, Average 4 quarters 2008 = 100.0.
- 1.2 History of the previous studies done –

The IPI has been previously constructed using 1968, 1970, 1972, 1977, 1986, 1995 and 2005 as base years. The commodities selected for these base years together with their weights and indices are listed in Appendices III to IX for all seven years.

2.0 What is the IPI?

The IPI is an index aimed at reflecting change in the quantum or the physical volume of the output of the industries of the economy with respect to time. The Industrial Production Index (IPI) is regarded as one of the most important measures of economic activity. Developments in the industrial production index describe the economic cycles of industry. For short-term statistics this Index is the reference indicator for economic development and it is used in particular to identify turning points in economic development at an early stage.

3.0 Uses of the IPI and using the IPI

- 3.1 It is an important instrument for economic analysis as it provides a concise summary of past developments and aids in forecasting future trends, both of which are critical for making economic policy decisions. The IPI also forms a core component in the compilation of the Gross Domestic Product (GDP), which subsequently determines the industries contribution towards the total economy.
- 3.2 Using the IPI

FBOS compiles the IPI for standard selected commodities both quarterly and annually. This enables IPI data users to study the effect of tariffs on the development of particular industries as well as gauge the progress of general industrialization in the country. Although the IPI is seen as a vital tool in economic analysis, it should be noted that there are limitations to its usage, thus proper care should be taken when interpreting IPI figures.

4.0 Methodology used for constructing the IPI

4.1 Data Collection

4.1.1 Legal Basis

The data collection for the construction of the IPI is through surveys which are conducted under the provisions of the Statistics Act 1961 (Cap71). This act protects the confidentiality of the information submitted to FBOS by the establishments and stipulates the completion of the questionnaires as well.

4.1.2 Scope of the Survey

Index numbers of production should cover all sectors of the economy for which output data are available – agriculture, mining and quarrying, manufacturing, electricity, gas and water and construction. For agriculture only annual indices are required to reflect crop year production. Construction is often omitted because of the difficulty of measuring quantum of output in this field. Therefore FBOS constructs IPI only for the mining and quarrying, manufacturing, electricity and water industries, both on a quarterly and on an annual basis.

4.1.3 Coverage of the Survey

The Fiji Standard Industrial Classification (FSIC) 2010, which is based on the United Nations International Standard Industrial Classification Revision 4, is used for the purpose of classifying establishments into appropriate industrial groups. The classification has 5 levels as can be seen below in Table 1. Refer Appendix X for the detailed classification.

Table 1: Classification

SECTION	DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
C	10				MANUFACTURE OF FOOD PRODUCTS
		101	1010		Processing and preserving of meat
				10101	Processing and preserving of poultry This sub-class includes operation of slaughterhouses engaged in killing, dressing or packing poultry: -production of fresh, chilled or frozen poultry, in carcasses, in cuts and in individual portions. -production of dried, salted or smoked poultry

In determining the commodities and as a consequence the establishments that are to be covered, information on the Value Added (VA) of each establishment is necessary. The idea is to select key representative commodities within the sub-class so that the index reflects quantum changes for a much wider range of commodities than is actually covered within that sub-class.

Identification of commodities/establishments is done using a top-down approach for each sub-class i.e. VA of each establishment within a sub-class was divided by the total VA of the particular sub-class and multiplied by 100.

$$\text{Example: } \frac{\text{VA of an establishment}}{\text{Total VA of the sub-class}} \times 100$$

Those establishments that were not selected, their VA got proportionately distributed to the VA of establishments in the same sub-class since they too contributed to the total VA.

Example:

Table 2: Redistribution of excluded Commodity/establishment

Description		VA (FJD)	Selected item
Sub-class	Commodity/ establishment		
Manufacture of paper and Paper products	Corrugated paper	758,682.17	19.3
	Tissue	393,445.26	10.0
	Paperboard	526,857.06	13.4
	Cartons	12,056.28	0.31
	Toilet paper	885,362.42	22.6
	Box files	1,296,425.24	33.2
	Record sleeves	46,784.00	1.19
Total Group		3,919,612.43	100.0

Table 2 shows the sub-class Manufacture of Paper and Paper products. It shows that commodities and as a consequence the establishments with low weights like Cartons and Record sleeves will be excluded, but its weight will be redistributed within the Group and the way it is done is to proportionately distribute its weight to all sub-groups within the sub-class –

$$\text{Example: } \frac{\text{Corrugated paper}}{\text{Sub-class expenditure ex Cartons}} \times \text{Cartons}$$

4.1.4 Frame for the Survey

In total 215 establishments got selected for the construction of the 2008 IPI base. However, every quarter a review is done of the frame for the survey by making reference to the economic censuses of mining and quarrying, manufacturing and the electricity and water sectors and the Business Register which is kept updated on the basis of information supplied to the FBOS by the Fiji Revenue and Customs Authority, Registrar of Companies and the City and Town Councils. Reference can also be **made to Section 6 on Rolling Sample Reviews**.

4.1.5 Questionnaire Design

A common questionnaire (refer Appendix II), very simple in design, was used for the survey of the different types of production. It called for information on a monthly basis from January 2008 to December 2011 on the -

- description of commodity produced,
- quantity produced,
- average unit cost of producing the commodity, and
- value of the produced commodity

A covering letter was also included to explain the purpose of the re-base and also the importance of filling out the questionnaire which was to be kept confidential. The same questionnaire will be used for the on-going IPI surveys.

4.1.6 Data Collection and Survey Procedures

One set of two questionnaires and a pre-paid envelope was posted to the establishments that were in the survey frame and they were requested to submit data on a monthly basis for the years 2008-2011. Since a huge amount of data was requested by FBOS, submission dates for the submission of the questionnaire was not given but a request was made to the establishments that they submit the questionnaire at their earliest. Such an instance was taken to ensure that FBOS gets accurate data and also achieve a 100 per cent response.

Telephone calls were made to follow-up on companies that did not respond after reasonable time. Personal visits too had to be made to companies who despite repeated requests did not submit the questionnaire or to those establishments that required assistance in filling out the questionnaire.

4.1.7 Data Verification

Once the questionnaires are received in the office, scrutiny and editing of the data contained in them followed. Errors and omissions if found, called for more correspondence, telephone calls or personal visits in an attempt to obtain complete and correctly filled up returns which were then placed in a file sorted by FSIC and data entered in the system.

Names of all individual companies with a breakdown of all the commodities each produced were entered.

4.1.8 Data Processing

Data was processed using Microsoft Excel.

4.2 Calculating the IPI

The worksheets where data were entered were linked to the calculation sheets where the quarterly and annual indices were calculated using the following formula:

The Laspeyre's Index formula is used to compute the IPI with the base year 2008.

$$I = \frac{\sum P_0 Q_n}{\sum P_0 Q_0} \times 100$$

Where; I = Index

P_0 = Value Added per unit of quantity

Q_n = Current year quantity

Q_0 = Base year quantity

Out of the 62 commodities, 11 had value data so had to be adjusted by removing pure inflationary price changes in order to isolate pure volume development. Value-based commodities and the deflators used on them are given in the table below:

Table 3: Value-based commodities

Sub-Class	Commodities	Deflators used
10711	Bread	CPI bakery products
10712	Cake and pastry	CPI bakery products
14101	Wearing apparel	CPI garment
15201	Footwear	CPI footwear
170	Paper & paper products	CPI printing & stationery
18111	Printing	CPI printing & stationery
25901	Fabricated metal products	BMPI iron & steel
31001	Furniture	CPI furniture
32101	Jewellery	CPI jewellery
33121	Repair of machinery	BMPI electrical products
33141	Repair of electrical equipment	BMPI electrical products

4.3 Data Dissemination

The IPI is released Quarterly and also on an annual basis. An Advance Release Calendar posted on the FBOS Website gives information on the date the IPI is going to be released. Data are disseminated via:

- *Quarterly press release:* contains tables and commentary.
- *Website:* The same data that is released to the media is posted to the FBOS Website www.statsfiji.gov.fj on the first working day of every month.
- *Key Statistics:* this is a quarterly publication of the FBOS and includes the same table that is posted on the FBOS website.
- *Email:* Data is sent in Portable Document Format (PDF) on request by users.

5.0 Periodic re-basing (re-weighting) of the IPI

Like any other longstanding and important statistical series, the IPI is re-based from time to time in order to ensure it continues to be relevant to current conditions. Ideally it would be good to rebase every 3-5 years, but due to resource constraints FBOS has not been able to do this. FBOS plans to rebase the next IPI to 2011 which hopefully should be finalised by end 2014 or early 2015.

6.0 Rolling Sample Reviews

Rather than bundling the activity into a rebase (and until such time a rebase is done), an ongoing program of rolling reviews of each index component is done. The focus is on ensuring the sample of establishments and products remaining representative of current activity within a dynamic market. The rolling sample reviews are done by way of:

- 6.1 Pro-actively monitoring the samples of establishments, to ensure they remain representative and comprehensive;
- 6.2 Selecting replacement commodities and splicing new products into the index using overlapping quantities, to ensure samples of commodities continue to be representative.

Priority is given to commodities that have

6.2.1 a large weight in the index,

6.2.2 have rapid technical change, and

6.2.3 that are transacted in a volatile market.

7.0 Results

Table 4 throws light on the changes in the composition of the weight from 2005 to 2008. The highest weight remains for soft drinks, mineral water, yaqona and tobacco at 14.3. A slight increase is however noted compared to 13.0 in the 2005 base. Wearing apparel is ranked second in both periods with a weight of 10.0. The third ranked commodity for 2005 was electricity with a weight of 9.6 but this has changed in the 2008 base with frozen poultry, meat and canned fish taking over with a weight of 7.5. Despite a dip shown in the weight for sugar in the 2008 base, it remains at the fourth important commodity for both base periods.

Table 4: Comparison of IPI Weights

FSIC	Commodities	Weights		Absolute change
		2005	2008	
7291/8101	Mining & quarrying	2.6	3.0	0.4
10101	Frozen poultry	7.1	7.5	0.4
10102	Meat			
10201	Canned fish			
10301	Fruit and vegetables	1.1	0.8	-0.3
10401	Edible oil	0.2	0.3	0.1
	Coconut oil			
10501	Dairy products	2.4	2.2	-0.2
10502	Ice-cream			
10611	Rice milling	2.3	2.7	0.4
10612	Flour milling			
10619	Other grain mill products			
10711	Bread	1.7	2.1	0.4
10712	Cakes			
10713	Biscuits			
10721	Sugar	7.8	7.2	-0.6
10731	Sugar confectionery& other food n.e.c	2.6	2.9	0.3
10741	Starch products			
10799	Other food n.e.c			
10801	Animal feed	2.5	3.0	0.5
11011	Alcoholic spirits			
11021	Wine			
11031	Beer	13.0	14.3	1.3
11041	Soft drinks			
11042	Mineral water			
11051	Yaqona			
12001	Tobacco	10.1	10.1	0.0
14101	Wearing apparel			
15201	Footwear & leather products			
16101	Saw-milling & planing of wood	5.1	5.8	0.7
16201	Manufacture of products of wood, cork plaiting material			
17011	Pulp, paper and paperboard	5.4	6.5	1.1
17021	Paper & paper board			
17099	Other articles of paper & paper board			
18111	Printing			

FSIC	Commodities	Weights		Absolute change
		2005	2008	
58111	Book publishing	2.1		-2.1
58121	Publishing of directories			
58131	Publishing of newspaper, journals and periodicals			
58199	Other publishing activities			
20121	Fertilizer	2.0	1.5	-0.5
20211	Agrochemicals			
20221	Paints & varnishes			
20231	Soap & detergent	3.0	2.6	-0.4
20299	Other chemical products			
21001	Pharmaceuticals			
22111	Rubber tyres & tubes	1.3	1.1	-0.2
22201	Plastic products			
23101	Glass and glass products			
23942	Cement	4.1	3.4	-0.7
23951	Concrete			
23961	Cutting, shaping of stone			
24101	Basic metal			
24311	Casting of metals	1.8	1.9	0.1
25101	Structural metal products			
25901	Other fabricated metal products			
29201	Coachwork	0.8	0.6	-0.2
30101	Building of ships & floating structure			
31001	Manufacture of furniture	3.6	2.7	-0.9
32101	Jewellery	1.7	1.9	0.2
32999	Other manufacturing nec.			
33121	Repair of machinery			
33141	Repair of electrical equipment			
35101	Electricity	9.6	7.0	-2.6
36001	Water	1.0	4.7	3.7
	All Group	100.0	100.0	0.0
	All group excluding sugar	90.0	92.8	2.8
	All group excluding gold	95.2	97.0	1.8
	Manufacturing	84.6	85.2	0.6

Note:

Book publishing, publishing of directories, publishing of newspapers, journals and periodicals and other publishing activities have been re-classified to the Information and Communication industry as a result of a change in classification from FSIC 2004 to FSIC 2010.

Annual Industrial Production Index							
[Base: Average 4 Quarters 2008 = 100]							
FSIC	Commodities	Weights	2008	2009	2010	2011	2012
7291	Mining & Quarrying	3.0	100.0	122.8	195.6	165.1	199.1
10101	Frozen poultry	7.5	100.0	101.1	107.6	119.5	127.7
10102	Meat						
10201	Canned fish						
10301	Fruit and vegetables	0.8	100.0	97.0	102.3	106.7	107.9
10401	Edible oil	0.3	100.0	77.9	77.5	74.9	81.0
	Coconut oil						
10501	Dairy products	2.2	100.0	96.1	76.3	79.4	77.0
10502	Ice-cream						
10619	Rice milling	2.7	100.0	103.9	112.6	112.4	107.9
10612	Flour milling						
10619	Other grain mill products						
10711	Bread	2.1	100.0	98.1	105.6	107.6	107.5
10712	Cakes						
10713	Biscuits						
10721	Sugar	7.2	100.0	62.7	53.5	65.1	61.1
10731	Sugar confectionery & other food n.e.c	2.9	100.0	95.1	99.0	97.0	99.6
10741	Starch products						
10799	Other food n.e.c						
10801	Animal feed						
11011	Alcoholic sprites	3.0	100.0	103.6	111.3	112.9	113.8
11021	Wine						
11031	Beer						
11041	Soft drinks	14.3	100.0	86.4	102.4	97.8	101.3
11042	Mineral water						
11051	Yaqona						
12001	Tobacco						
14101	Wearing apparel	10.1	100.0	97.1	100.4	116.3	115.8
15201	Footwear & leather products	1.1	100.0	110.5	110.8	111.6	115.2
16101	Saw-milling & planing of wood	5.8	100.0	98.0	137.4	140.0	142.1
16201	Manufacture of products of wood, cork plaiting material						
17011	Paper	0.2	100.0	96.6	96.8	96.4	99.2
17021	Paper & paper board	6.4	100.0	99.4	94.6	95.8	96.8
17099	Other articles of paper & paper board						
18111	Printing						
20121	Fertilizer	1.5	100.0	122.6	152.0	134.6	146.1
20211	Agrochemicals						
20221	Paints & varnishes						

Annual Industrial Production Index							
[Base: Average 4 Quarters 2008 = 100]							
FSIC	Commodities	Weights	2008	2009	2010	2011	2012
20231	Soap & detergent	2.6	100.0	112.3	129.2	129.2	130.4
20299	Other chemical products						
21001	Pharmaceuticals						
22111	Rubber tyres & tubes	1.1	100.0	95.8	96.0	94.7	96.9
22201	Plastic products						
23101	Glass and glass products						
23942	Cement	3.4	100.0	113.9	130.7	134.1	134.9
23951	Concrete						
23961	Cutting, shaping of stone						
24101	Basic metal						
24311	Casting of metals	1.9	100.0	93.5	98.7	99.7	102.0
25101	Structural metal products						
25901	Other fabricated metal products						
29201	Coachwork	0.6	100.0	121.8	106.9	148.6	153.3
30101	Building of ships & floating structure						
31001	Manufacture of furniture	2.7	100.0	91.8	88.4	91.6	91.3
32101	Jewellery	1.9	100.0	90.5	90.3	90.7	92.8
32999	Other manufacturing nec.						
33121	Repair of machinery						
33141	Repair of electrical equipment						
35101	Electricity	7.0	100.0	102.0	108.5	106.0	110.1
36001	Water	4.7	100.0	100.4	101.7	101.8	105.9
	All Group	100.0	100.0	97.9	106.9	109.4	112.3
	All group excluding sugar	92.8	100.0	100.7	111.1	112.8	116.3
	All group excluding gold	97.0	100.0	97.2	104.1	107.6	109.6
	Manufacturing	85.2	100.0	96.6	103.9	108.1	109.7

APPENDIX I

Concepts and Definitions

All concepts and definitions used are based upon the recommendations of the United Nations for their world Programme on Industrial Statistics. The major concepts and definitions and their treatment are briefly explained below.

Gross Value Added	Value added is the difference between the gross output and the intermediate consumption. It provides a useful way of quantifying the level of value attached to a good or service after its inputs are assembled for procession and before final outputs are derived. This method also avoids duplicating the economic importance of an industry or industrial sector. The gross value added is the balancing item in the production account of SNA-2008.
Weights	The weights are actually the value added which originate in different sectors of the industry. The base weight of the index is the weight that relates to the base period. Thus, the revised index base weights are the value added in different sectors of industry derived from the 2008 Census of Mining and Quarrying, Manufacturing and Electricity and Water.
Base Year Quantity (Q_0)	Base year quantity is the total average quarterly production of a commodity in a base year. For the annual index, base quantity is the total production in volume over the twelve-month period.
Establishment	An establishment can be referred to as an enterprise that engages in one or predominantly one kind of economic activity, at or from one location, for which data are available or can be meaningfully compiled, that allow the calculation of the operating surplus.
Statistical Unit	Statistical unit is the unit for which information is collected.

APPENDIX II**Sample Questionnaire**

COMPANY NAME _____

POSTAL ADDRESS _____

LOCATION _____

RE: INDUSTRIAL PRODUCTION INDEX REBASE

The Fiji Bureau of Statistics (FBOS) is currently involved in the quarterly and annual compilation of the Industrial Production Index (IPI) for a selection of commodities. The general aim of IPI is to measure the rate of change of a commodity's volume of production over time. The IPI aids in economic analysis by providing a summary of past developments, which is then used to forecast future trends and make decisions on policy matters.

The IPI also forms a core component in the compilation of the Gross Domestic Product (GDP), which subsequently determines the industrial sector's contribution towards the total economy.

In regards to the above, the FBOS is re-basing its current IPI to 2008 and therefore seeks your assistance in this course. We would like to request that your office provide us with the relevant data required by the attached questionnaire for the period beginning **1st January 2008 to 31st December 2011**.

We understand that information on the previous years may in some cases not be easily accessible or available to you, in which case we urge you to provide us with the organisations best estimates.

Data submitted will not only help the FBOS as a compiler of the IPI but will also be of interest to other stakeholders such as the Reserve Bank of Fiji and the National Planning Office in their forecasting and policy making. The IPI will also enable you as part of an industry to see the overall economic performance of our nation.

Please be informed that all the information disclosed will be used solely for the purpose of preparing the IPI and as such will not be made available to anyone outside the FBOS. Also, any releases made using the data provided would be done in accordance with the Statistics Act 1961 (Cap 71) that also protects the confidentiality of all information submitted to FBOS.

Your assistance in furnishing us with the required information at your earliest is greatly appreciated.

For any further queries you may contact Ms Sammi Prakash on phone 3315822 (EXT 114) or email sprakash@statsfiji.gov.fj

Vinaka.

T I Bainimarama

Government Statistician

QUARTERLY PRODUCTION INDEX

Enter quantity and value of production for the three months of the inquiry quarter.
The quantity required is the amount produced or manufactured in the month.
The value required is the ex-factory value of the amount produced or manufactured and should exclude transport and other charges that are over and above the ex-factory price.

Description of Commodity	Average Unit Cost	Data required for the following months in 2008					
		JANUARY		FEBRUARY		MARCH	
		Quantity	Value (F\$)	Quantity	Value (F\$)	Quantity	Value (F\$)
TOTAL							

Description of Commodity	Average Unit Cost	APRIL		MAY		JUNE	
		Quantity	Value (F\$)	Quantity	Value (F\$)	Quantity	Value (F\$)
TOTAL							

Description of Commodity	Average Unit Cost	JULY		AUGUST		SEPTEMBER	
		Quantity	Value (F\$)	Quantity	Value (F\$)	Quantity	Value (F\$)
TOTAL							

Description of Commodity	Average Unit Cost	OCTOBER		NOVEMBER		DECEMBER	
		Quantity	Value (F\$)	Quantity	Value (F\$)	Quantity	Value (F\$)
TOTAL							

Please provide reasons if the above data for the current quarter differs significantly from the previous quarter and previous corresponding quarter.

Note: the above table to be completed was for 2008, similar tables for 2009, 2010 and 2011 followed the 2011.

Signature of person completing the questionnaire _____ Date _____

Name: _____ Position: _____

Telephone No.: _____ Fax No.: _____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE

APPENDIX III

IPI with 1968 as the Base

Annual Industrial Production Index
[Base 1968 = 100.0]

Product	ISIC	Weight	Indices			
			1968	1969	1970	1971
Gold	2302	2,426	100.0	86.0	97.2	81.3
Meat	3111	700	100.0	116.7	119.7	122.2
Butter	3112	47	100.0	118.3	131.1	140.0
Coconut Oil	3115	283	100.0	117.6	100.0	105.9
Rice	3116	51	100.0	104.7	102.2	102.2
Sugar	3118	10,388	100.0	75.9	90.1	80.5
Beer	3133	436	100.0	119.1	150.2	176.5
Cigarettes	3140	724	100.0	107.3	113.1	121.1
Tobacco	3140	18	100.0	105.6	111.1	111.1
Sub Group	31	12,647	100.0	82.7	95.6	87.6
Sawmilling	3311	503	100.0	100.6	104.3	104.9
Matches	3418	81	100.0	108.4	113.7	132.6
Paints	3521	443	100.0	96.0	103.0	120.0
Soaps	3525	316	100.0	78.2	132.6	104.1
Sub Group	35	759	100.0	88.6	115.3	113.4
Cement	3698	586	100.0	108.0	118.0	154.0
Group	3	14576	100.0	84.8	97.9	93.8
All Items Index		17,002	100.0	84.9	97.8	92.0
<i>Without Sugar & Gold</i>		<i>4,188</i>	<i>100.0</i>	<i>106.8</i>	<i>117.3</i>	<i>126.9</i>

Notes:

- (i) Base of the indices is 1968. The index is weighted and the weights are the value added originating in each industry during 1968.
- (ii) For ease of comparison the index has been constructed on the basis of the Quarterly Production Indices i.e. using the same group and sub group classifications.

APPENDIX IV

IPI with 1970 as the Base

Annual Industrial Production Index
[Base 1970 = 100.0]

Product	ISIC	Weight	Indices		
			1970	1971	1972
Gold	2302	2,125	100.0	83.7	73.1
Meat	3111	257	100.0	102.1	73.4
Butter	3112	74	100.0	106.9	109.9
Ice Cream	3112	362	100.0	122.7	117.8
Coconut Oil	3115	1,098	100.0	105.9	105.9
Sugar	3118	6,456	100.0	89.3	83.9
Stockfeed	3122	279	100.0	126.8	127.6
Beer	3133	601	100.0	117.5	141.2
Soft Drinks	3134	251	100.0	130.5	150.5
Cigarettes	3140	824	100.0	104.1	92.5
Tobacco	3140	20	100.0	100.0	100.0
Sub Group	31	10,222	100.0	97.6	94.3
Sawmilling	3311	1,185	100.0	100.6	101.1
Matches	3418	100	100.0	116.7	120.4
Paper & Printing	3420	1,202	100.0	118.9	129.9
Sub Group	34	1,302	100.0	116.7	129.2
Paints	3521	332	100.0	116.5	118.4
Soaps	3525	287	100.0	78.5	93.4
Flip Flips	3558	17	100.0	128.0	160.0
Retreading	3558	135	100.0	136.4	181.8
Plastic	3560	74	100.0	337.7	714.5
Sub Group	35	845	100.0	126.4	173.1
Cement	3698	1,275	100.0	128.3	150.8
Coach Building	3843	169	100.0	143.9	156.1
Group	3	14,998	100.0	104.4	107.8
Electricity	4101	1,460	100.0	113.3	120.9
Water	4200	477	100.0	111.1	103.0
Group	4	1,937	100.0	112.8	116.5
All Items Index		19,060	100.0	103.0	104.8
<i>Excluding Gold</i>		<i>16,935</i>	<i>100.0</i>	<i>105.4</i>	<i>108.8</i>
<i>Excluding Sugar</i>		<i>12,604</i>	<i>100.0</i>	<i>110.0</i>	<i>115.5</i>
<i>Excluding Sugar & Gold</i>		<i>10,479</i>	<i>100.0</i>	<i>115.3</i>	<i>124.1</i>
<i>Excluding Sugar, Gold, Water & Electricity</i>		<i>8,542</i>	<i>100.0</i>	<i>115.9</i>	<i>125.9</i>

Notes:

- (i) The base of the index is 1970 and the weights used are value added originating in each industry during 1970. That is, the index represents approximately \$19m worth of net output in the 24 industries covered by this index during 1970.
- (ii) The individual product indices are not weighted. The Sub Group, Group, All Group Items and the last four groups of the indices are weighted.

APPENDIX V

IPI with 1972 as the Base

A. Limited Items

The IPI below was released first and later the coverage of this index was extended to include twenty-four different industrial commodities. Refer B. Extended IPI on the next page.

Annual Industrial Production Index
[Base 1972 = 100.0]

Product	ISIC	Weights	Indices			
			1973	1974	1975	1976
Gold	2302	2,426	105.3	90.8	88.2	86.8
Beef	3111	700	112.8	110.1	86.0	75.6
Butter	3112	47	86.0	97.4	101.8	105.3
Ice Cream	3115	283	88.9	100.0	83.3	94.4
Coconut Oil	3116	51	94.1	124.7	105.9	135.3
Stockfeed	3118	10,388	99.3	90.3	89.9	97.7
Beer	3133	436	117.5	147.3	154.0	158.2
Cigarettes	3140	724	112.8	122.8	131.4	147.2
Tobacco	3140	18	135.0	120.0	185.0	180.0
Sub Group	31	12,647	101.2	95.6	94.4	101.6
Sawmilling	3311	503	110.4	130.0	119.7	123.2
Matches	3418	81	116.9	113.1	106.2	94.6
Paints	3521	443	134.8	126.2	100.0	123.8
Soap	3525	316	112.3	135.1	109.4	137.7
Sub Group	35	759	125.4	129.9	103.9	129.6
Cement	3698	586	102.2	94.4	80.9	76.4
Group	3	14,576	102.9	98.6	95.3	102.7
All Items Index		17,002	103.2	97.5	94.3	100.5
<i>Without Sugar & Gold</i>		<i>4,188</i>	<i>111.8</i>	<i>119.4</i>	<i>108.6</i>	<i>115.3</i>

Notes:

- (i) The base of the index has been revised to 1972 i.e. 1972 = 100.0. The sub Group, the Group and the All Items Index are weighted and the weights are the value added originating in each industry during 1972.

B. Extended IPI

Annual Industrial Production Index
[Base 1972 = 100.0]

Product	ISIC	Weights %	Indices			
			1973	1974	1975	1976
Gold	2302	11.2	105.3	90.8	88.2	86.8
Beef	3111	3.2	112.8	110.1	86.0	75.6
Butter	3112	0.2	86.0	97.4	101.8	105.3
Ice Cream	3112	2.4	119.8	190.4	191.9	200.3
Coconut Oil	3115	1.3	88.9	100.0	83.3	94.4
Rice	3116	0.2	94.1	123.5	105.9	135.3
Sugar	3118	47.9	99.3	90.3	89.9	97.7
Stockfeed	3122	0.5	119.5	125.3	158.5	180.6
Beer	3133	2.0	117.5	147.3	154.0	158.2
Soft Drinks	3134	1.0	103.5	103.5	121.1	153.5
Cigarettes	3140	3.3	112.8	122.8	131.4	147.2
Tobacco	3140	0.1	135.0	120.0	185.0	180.0
Sub Group	31	62.1	102.1	99.6	99.0	106.9
Sawmilling	3311	2.3	110.4	130.0	119.7	123.2
Matches	3418	0.4	116.9	113.1	106.2	94.6
Paper & Printing	3418/20	6.1	111.6	130.5	156.5	148.8
Paints	3521	2.1	134.8	126.2	100.0	123.8
Soaps	3525	1.5	112.3	135.1	109.4	137.7
Flip Flops	3558	0.1	100.0	75.0	70.0	75.0
Retreading	3558	1.1	108.7	108.7	143.5	195.7
Plastic Products	3560	1.1	121.3	99.0	147.9	151.1
Sub Group	35	5.9	121.0	118.8	119.2	145.0
Cement	3698	2.7	102.2	94.4	80.9	76.4
Coach Building	3843	0.8	86.4	64.1	73.8	95.1
Group	3	80.3	104.4	103.8	104.6	112.1
Electricity	4101	6.4	113.6	116.8	126.2	138.7
Water	4200	2.1	155.7	125.1	130.1	144.4
Group	4	8.5	124.1	118.9	127.2	140.2
All Items		100.0	106.1	102.7	104.7	111.7
<i>Excluding Gold & Sugar</i>		<i>40.9</i>	<i>114.4</i>	<i>122.7</i>	<i>126.5</i>	<i>134.8</i>

Notes:

- (i) This set of indices supercedes the index of industrial production (limited items), which appears in the preceding table. The coverage of this index has been extended and it now includes twenty-four different industrial commodities.
- (ii) The base of the index remains unchanged i.e. 1972 = 100.0
- (iii) The Electricity Index includes production by F.E.A., Suva City Council, Fiji Sugar Corporation and the Tavua Power House.
- (iv) Weights of the individual items are the percentage of All Items.

APPENDIX VI

IPI with 1977 as the Base

Annual Indices of Industrial Production
[Base 1977 = 100.0]

ISIC	Product	Item Weight	Indices							
			%	1978	1979	1980	1981	1982	1983	1984
2302	Gold	2.8	56.9	60.1	50.4	62.5	92.7	81.3	98.3	121.5
3112	Butter	0.2	115.7	129.0	125.5	106.8	68.2	20.1	23.4	85.4
3112	Milk	0.1	114.4	126.1	120.3	149.0	143.0	169.8	188.1	178.0
3112	Ice Cream	1.2	106.7	106.3	111.4	116.1	82.7	78.4	78.0	71.5
3114	Canned Fish	3.4	190.5	212.5	115.4	227.6	194.8	208.6	233.2	169.9
3115	Edible Oil & Coconut Oil	1.6	91.8	94.8	95.4	95.5	101.9	105.3	103.7	84.4
3116	Milled Rice	0.7	122.3	117.3	140.7	129.3	182.4	204.9	153.1	167.1
3116	Sharps	1.8	86.8	101.5	102.6	104.2	103.5	112.8	112.4	118.8
3116	Flour	1.0	147.5	167.8	170.3	178.0	188.0	205.9	201.3	213.9
3117	Biscuit	0.8	87.6	89.6	87.2	82.6	75.8	86.6	82.0	81.0
3118	Sugar	31.4	95.9	130.7	109.4	129.8	134.3	75.6	132.6	94.2
3122	Stockfeed	0.6	112.4	117.7	137.2	121.3	101.8	132.8	104.8	108.1
3133	Beer	4.5	101.9	112.1	113.2	114.8	122.5	120.1	116.7	112.2
3134	Soft Drinks	1.2	113.1	119.7	94.0	90.9	79.5	80.2	76.8	84.0
3140	Cigarettes	1.4	102.9	104.4	102.4	105.6	106.7	99.4	108.8	108.9
3140	Tobacco	0.1	94.0	83.7	95.2	84.2	93.9	68.9	79.2	58.1
31	Sub Group	50.0	104.8	130.5	110.7	131.2	132.1	97.3	133.4	104.8
3311	Sawmilling	5.3	100.0	99.4	128.8	113.2	89.9	88.3	97.2	107.1
3311	Veneer	0.7	120.5	177.0	211.4	267.8	286.8	289.7	325.8	350.7
33	Sub Group	6.0	102.2	107.9	137.9	130.1	111.5	110.3	122.2	133.8
3418	Toilet Paper	1.2	107.4	133.4	137.5	154.6	154.5	169.1	200.8	191.8
3420	Printing	3.6	109.5	133.7	114.8	117.0	109.3	105.7	100.7	106.0
34	Sub Group	4.8	109.0	133.6	120.4	126.4	120.6	121.5	125.7	127.4
3521	Paints	0.9	111.9	113.3	118.4	117.6	120.8	153.1	119.9	151.3
3525	Soaps	1.4	113.5	129.6	130.4	121.6	135.2	146.7	157.4	133.1
3529	Matches	0.3	101.5	106.8	103.6	124.2	107.8	40.7	63.5	80.1
3558	Retreading	0.5	100.0	118.2	157.7	137.0	116.8	116.3	120.8	112.9
3560	Plastic Products	1.6	93.0	130.4	83.7	113.7	121.8	189.8	181.1	127.2
35	Sub Group	4.7	104.1	124.0	114.2	120.1	124.1	152.5	148.0	129.3
3698	Cement	5.0	110.9	111.6	105.8	117.7	112.5	140.4	125.0	119.2
3812/3818	Wire & Nail	0.3	120.2	139.2	131.5	108.9	100.1	145.1	119.6	118.8
3812/3818	Roofing Iron	0.6	109.8	130.9	113.0	132.3	144.2	187.5	129.8	174.5
3812/3818	Other Structural Metal	2.4	122.3	130.7	127.5	121.7	126.7	134.1	155.0	148.6
3843	Coachwork	0.9	113.3	140.0	164.4	126.7	48.9	113.3	68.9	53.3
38	Sub Group	4.2	118.3	133.4	134.0	123.4	109.8	137.8	129.5	128.7
3	Group	74.7	106.5	127.2	116.3	128.6	125.5	109.8	131.8	113.8
4101	Electricity	11.3	101.0	107.5	108.0	113.1	117.0	124.2	135.2	139.3
4200	Water	0.3	95.7	107.9	108.3	108.2	105.9	100.4	94.8	122.3
4	Group	11.6	100.9	107.5	108.1	113.0	116.8	123.6	134.3	138.9
2, 3 & 4	All Items	100.0	104	123.0	113.5	125.0	123.5	110.6	131.1	116.9
	<i>Group 3 Excl. Sugar</i>		<i>112.6</i>	<i>125.2</i>	<i>120.4</i>	<i>128.0</i>	<i>120.4</i>	<i>129.4</i>	<i>131.3</i>	<i>125.1</i>
	<i>All Items Excl. Sugar</i>		<i>108.4</i>	<i>119.5</i>	<i>115.4</i>	<i>122.8</i>	<i>118.6</i>	<i>126.4</i>	<i>130.4</i>	<i>127.3</i>
	<i>All Items Excl. Electricity & Sugar</i>		<i>109.8</i>	<i>121.9</i>	<i>116.9</i>	<i>124.7</i>	<i>119.0</i>	<i>126.9</i>	<i>129.5</i>	<i>124.9</i>

Notes:

- (i) The base of the index has been changed to 1977 = 100 and Laspeyre's (quantity) formula is used.
- (ii) (a) Gold is the only item considered in Group 2.
(b) Electricity generated by FSC for its own consumption is not included in FSIC 4101.
- (iii) The sub-group indices within group 3 are calculated using item weights for each sub-group in column 3. Group indices are calculated using census sub-group weights in column 4. The all items index is calculated using census group weights in column 4.
- (iv) The coverage in terms of Value Added is approximately 90% of the total census value added of FSIC's 2, 3 & 4.

APPENDIX VII

IPI with 1986 as the Base

Annual Indices of Industrial Production
[Base 1986 = 100.0]

FSIC	Product	Weight	Indices								
			1987	1988	1989	1990	1991	1992	1993	1994	1995
2302	Gold	5.0	100.3	149.6	147.8	144.1	96.1	129.6	132.5	120.5	121.7
3112	Butter	0.3	101.8	97.2	110.0	99.1	119.2	121.5	119.5	136.6	138.2
3112	Milk	1.1	103.6	103.5	115.4	93.2	118.6	126.3	120.0	141.7	145.7
3112	Ice Cream	0.9	119.0	150.1	163.2	156.0	126.3	127.7	142.8	150.9	142.0
3114	Canned Fish	1.6	145.3	167.4	191.4	169.3	259.8	265.7	294.9	297.4	296.8
3115	Edible oil	1.0	122.3	121.5	124.9	122.9	128.0	125.2	139.8	144.6	147.2
3115	Coconut Oil	1.7	59.6	46.6	53.9	82.2	62.1	65.4	44.1	33.3	39.2
3116	Milled Rice	1.6	100.7	62.1	66.0	65.7	88.6	100.2	112.6	100.1	114.5
3116	Sharps	1.0	98.9	91.1	82.7	66.7	62.2	45.4	33.6	27.6	22.5
3116	Flour	0.9	104.6	103.8	115.3	100.6	109.6	113.0	135.5	152.9	167.9
3117	Biscuit	2.5	115.9	105.9	106.3	103.0	94.8	92.2	33.8	86.1	89.4
3118	Sugar	14.8	79.9	72.3	91.8	81.4	77.5	85.0	88.1	103.0	90.5
3122	Stockfeed	1.0	87.7	95.5	102.9	120.6	137.8	133.6	122.7	159.6	152.7
3133	Beer	2.9	92.0	97.8	109.4	120.8	114.3	108.2	104.6	100.9	95.3
3134	Soft Drinks	1.0	99.3	113.8	135.6	180.9	210.3	235.6	264.4	230.2	238.0
3140	Cigarettes	2.4	85.9	85.9	93.1	97.9	94.8	89.2	93.2	88.9	78.0
3140	Tobacco	0.1	77.6	70.6	50.6	9.7	0.0	0.0	0.0	0.0	0.0
3141	Tea	0.3	111.4	106.0	109.8	107.5	104.5	107.1	116.9	104.0	124.7
31	Sub Group	35.1	92.6	88.4	101.5	98.3	101.3	104.8	104.2	114.0	109.1
3210	Garments	3.4	114.1	175.2	257.2	382.1	489.0	338.9	477.0	406.3	550.8
3311	Sawmilling	6.6	110.7	106.1	96.3	92.8	89.9	77.4	89.7	96.3	92.2
3311	Veneer	1.1	113.1	113.6	112.8	109.3	89.8	97.1	106.0	117.4	110.3
33	Sub Group	7.7	80.1	107.1	98.6	95.2	89.9	80.2	92.0	99.3	94.8
3418	Toilet Paper	0.7	78.1	78.9	99.4	133.6	137.0	138.4	137.6	163.4	158.4
3420	Printing	4.8	78.4	68.9	70.1	80.5	88.8	90.9	106.8	117.4	105.4
34	Sub Group	5.5	84.3	70.2	73.8	87.2	95.0	96.9	110.7	123.3	112.1
3521	Paints	1.4	107.5	92.7	95.6	114.2	122.1	133.9	145.9	137.1	123.4
3525	Soaps	2.0	92.9	114.9	93.1	96.0	102.6	100.0	101.6	105.2	102.6
3529	Matches	0.1	61.1	105.7	88.4	111.3	106.7	103.1	105.1	117.4	122.5
3558	Retreading	0.8	40.4	78.4	82.3	81.1	81.8	76.3	78.3	79.9	71.8
3560	Plastic Products	2.0	75.0	49.5	56.3	42.4	43.3	50.0	48.4	58.5	70.5
35	Sub Group	6.3	64.0	84.4	80.6	81.4	85.5	88.7	91.6	94.4	93.4
3698	Cement	5.4	78.9	47.9	62.9	84.4	85.5	91.7	86.2	101.5	98.8
3812/3818	Wire & Nail	1.0	85.2	76.9	61.2	66.2	59.5	79.7	119.3	89.4	108.7
3812/3818	Roofing Iron	1.1	53.9	66.5	68.2	110.1	102.9	136.4	131.1	120.6	105.3
3812/3818	Other Structural Metal	3.4	33.3	50.6	46.5	59.8	45.5	65.1	41.5	65.6	62.7
3843	Coachwork	0.8	62.4	42.9	85.7	119.0	138.1	204.8	209.5	252.4	252.4
38	Sub Group	6.3	86.8	56.6	57.6	77.1	69.5	97.6	90.8	102.7	101.5
3	Group	69.7	98.6	86.9	97.7	106.4	112.9	109.7	117.8	123.6	126.4
4101	Electricity	23.1	99.5	105.9	109.1	114.0	118.0	130.8	134.1	145.1	152.1
4200	Water	2.2	98.7	115.4	164.5	190.2	192.4	178.8	190.0	195.4	195.4
4	Group	25.3	90.6	106.7	113.9	120.6	124.5	134.9	139.0	149.4	155.9
2, 3 & 4	All Items	100.0	88.7	95.0	104.3	111.9	115.0	117.1	123.9	130.0	133.6
	<i>Group 3 Excl Sugar</i>	<i>54.9</i>	<i>92.5</i>	<i>90.8</i>	<i>99.4</i>	<i>113.2</i>	<i>122.4</i>	<i>116.4</i>	<i>125.8</i>	<i>129.2</i>	<i>136.1</i>
	<i>All Items Excl Sugar</i>	<i>85.2</i>	<i>90.1</i>	<i>99.0</i>	<i>106.5</i>	<i>117.2</i>	<i>121.5</i>	<i>122.7</i>	<i>130.1</i>	<i>134.7</i>	<i>141.1</i>
	<i>All Items Excl Electricity & Sugar</i>	<i>62.1</i>		<i>96.4</i>	<i>105.6</i>	<i>118.4</i>	<i>122.8</i>	<i>119.7</i>	<i>128.6</i>	<i>130.8</i>	<i>137.0</i>

Notes:

- (i) The base of the index has been changed to 1986 = 100 and Laspeyre's (quantity) formula is used.
- (ii) Gold is the only item considered in Group 2.
- (iii) Garments have been incorporated into the index from 1988 hence the index will not be comparable to previous years.
- (iv) Electricity generated by FSC for its own consumption is not included in FSIC 4101.
- (v) The "All Items" indices have been temporarily removed because they were compiled according to a weighting system, which is no longer valid.

APPENDIX VIII

IPI with 1995 as the Base

ANNUAL INDUSTRIAL PRODUCTION INDEX
[Base Average 4 = Quarters 1995 = 100.0]

FSIC	Product	Weight	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
2100	Gold	7.1	136.2	142.9	113.9	135.5	116.0	118.2	113.9	107.6	123.3	85.4
2201	Quarrying	0.3	125.0	103.0	97.9	109.7	122.1	89.2	106.1	89.0	106.7	189.2
21/22	Sub-Group	7.4	135.7	141.3	113.3	134.5	116.3	117.1	113.6	106.9	122.7	89.2
3111	Frozen Chicken	1.3	98.5	92.0	84.3	82.9	79.7	83.3	107.7	127.4	118.1	111.3
3112	Butter	0.2	96.5	98.0	102.9	104.9	101.1	102.0	105.1	107.3	84.3	102.7
3112	Milk (liquid)	0.3	109.0	109.5	114.8	103.8	92.2	94.9	107.2	101.2	107.3	108.7
3112	Milk (Powdered)	0.3	110.0	118.8	129.5	142.4	106.7	95.1	72.8	84.0	69.2	70.2
3112	Ice Cream	0.5	76.7	89.7	90.0	97.6	68.5	45.7	108.5	117.1	89.7	97.8
3114	Canned Fish	0.3	76.2	43.7	44.5	59.9	55.0	113.3	107.1	112.4	135.6	125.7
3115	Edible Oil	0.4	98.6	93.0	101.9	101.3	96.1	96.4	101.9	91.4	101.1	101.0
3115	Coconut Oil	0.2	103.6	115.4	117.1	134.1	100.3	131.0	144.8	91.1	106.1	124.7
3116	Milled Rice	0.4	120.8	98.9	67.9	41.6	61.7	68.8	75.8	69.8	84.7	62.9
3116	Sharps	0.1	93.5	66.0	63.0	43.7	37.4	31.5	22.9	20.5	13.5	10.4
3116	Flour	0.9	104.2	110.9	123.3	124.6	133.1	144.3	144.0	154.0	214.0	214.0
3117	Biscuit	1.2	108.5	91.0	102.9	100.4	70.5	88.4	83.9	87.2	90.1	78.3
3118	Sugar	20.2	99.8	77.3	59.5	80.0	73.8	68.3	69.8	67.8	68.4	66.9
3121	Tea	0.2	84.2	101.9	83.9	104.4	84.9	89.1	91.4	80.2	71.8	67.7
3131	Alcoholic Drinks	1.4	108.7	113.2	119.2	139.6	147.1	172.0	181.3	199.2	203.9	101.0
3132	Beer	1.7	103.2	112.3	105.3	107.9	109.2	118.2	130.1	106.0	129.1	140.2
3133	Non-alcoholic drinks	1.1	99.2	129.3	199.7	281.5	345.8	524.8	612.8	822.8	977.9	1533.7
3140	Cigarettes	0.6	100.3	105.4	93.7	101.9	90.4	88.9	96.5	95.2	103.8	99.1
31	Sub-Group	31.3	100.5	86.9	77.9	95.2	91.5	97.5	104.8	111.3	120.1	133.6
3210	Garments	11.6	124.8	208.3	267.7	284.3	272.4	347.3	301.5	254.3	315.8	128.7
3220	Footwear	0.9	132.6	124.2	117.7	90.7	56.4	66.0	101.9	268.4	349.6	329
32	Sub-Group	12.5	125.3	202.1	256.6	270.0	256.4	326.5	286.7	255.4	318.3	143.5
3311	Sawmilling	4.4	104.8	97.9	101.0	74.2	74.0	72.2	51.7	51.9	39.9	39.2
3311	Veneer	1.9	92.7	90.8	92.3	65.4	66.4	59.3	63.1	61.8	54.8	59
3320	Furniture and Upholstery	4.0	105.6	120.1	135.9	145.3	123.5	124.6	152.0	148.1	155.6	162.9
33	Sub-Group	10.3	102.9	105.3	113.2	100.6	92.1	90.4	93.2	91.5	88.1	91.5
3418	Toilet Paper	1.9	119.4	115.3	138.7	163.2	153.4	180.7	210.8	204.9	179.8	187
3420	Printing Paper	2.9	96.1	101.7	96.2	101.3	103.7	89.5	90.5	71.4	77.1	68.2
34	Sub-Group	4.8	105.2	107.0	112.9	125.6	123.2	125.4	137.8	123.8	117.4	114.8
3511	Paints	0.8	103.6	109.2	116.6	112.1	109.9	118.1	184.0	125.2	136	142.2
3512	Soaps	1.0	87.5	117.0	127.6	92.8	91.5	75.3	62.1	70.3	87.3	111.1
3519	Gas	0.6	110.0	109.1	96.7	94.6	88.5	138.7	116.2	175.6	185.9	129.7
3519	Fertilizer	0.7	105.3	117.0	137.6	172.0	91.4	140.2	152.5	154.7	164.4	153
3530	Plastic Products	1.8	87.1	68.1	69.8	68.5	62.9	48.4	80.3	89.9	97.3	112.3
35	Sub-Group	4.9	95.3	97.4	103.2	100.0	83.7	90.1	108.4	111.7	122.4	125.2
3600	Cement	1.1	91.6	105.1	98.1	107.9	94.9	108.0	112.3	109.8	123.4	156.9
3600	Concrete Products	0.8	103.8	78.1	74.9	72.9	57.8	49.3	88.1	64.3	105.7	106.6
	Sub-Group	1.9	96.8	93.6	88.2	93.0	79.1	83.1	102.0	90.5	115.8	135.5
3819	Wire	0.4	70.3	101.5	97.7	125.7	131.4	140.1	169.1	275.0	282.2	300.2
3819	Nails	0.1	86.7	95.9	85.6	75.5	57.0	76.4	83.2	169.1	235.1	239.9
3812/ 3818	Roofing Iron	0.7	112.3	120.7	119.0	86.3	70.1	76.8	83.0	85.6	129.9	117.9
3700	Other Structural Metal	0.3	94.7	77.4	87.0	150.8	92.2	70.5	112.0	142.5	205.4	198.5
3848	Coachwork	0.2	72.1	81.9	25.3	21.5	23.6	14.6	39.0	33.6	39.6	35.7
38/37	Sub-Group	1.7	96.9	116.7	108.7	97.4	93.1	94.1	116.6	155.4	195.6	192.8
3	GROUP	67.4	105.4	114.2	121.8	130.9	123.6	140.0	139.7	136.7	153.6	128.4

FSIC	Product	Weight	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
4101	Electricity	23.7	108.5	112.0	116.0	128.0	125.9	134.3	140.2	145.9	149.6	151.4
4200	Water	1.5	93.5	89.5	90.7	90.7	90.8	95.3	97.6	101.9	127.1	130.5
4	GROUP	25.2	107.5	110.7	114.5	125.9	123.9	132.1	137.7	143.3	148.3	150.2
2,3,4	All Group	100.0	108.2	115.1	119.2	129.7	123.1	136.3	137.2	136.2	150.0	130.5
	<i>All group excluding sugar</i>	<i>79.8</i>	<i>110.3</i>	<i>124.6</i>	<i>134.3</i>	<i>142.3</i>	<i>135.6</i>	<i>153.5</i>	<i>154.3</i>	<i>153.5</i>	<i>170.7</i>	<i>147.3</i>

Notes:

- (i) The base of the index has been changed to 1995 = 100 and Laspeyre's formula is used
- (ii) Electricity generated by FSC for its own consumption is included in FSIC 4101

Source: Monthly returns submitted by Producers

APPENDIX IX

IPI with 2005 as the Base

ANNUAL INDUSTRIAL PRODUCTION INDEX
[Base Average 4 = Quarters 2005 = 100.0]

FSIC	Commodities	Weights	2006	2007	2008
13201	Mining & Quarrying	2.6	66.1	20.8	49.6
1511	Meat & meat products	3.9	103.5	104.7	102.9
15121	Canned fish	3.2	92.9	81.0	91.0
15131	Fruit and vegetables	1.1	100.4	100.8	101.2
15141	Edible & coconut oil	0.2	103.1	98.8	103.6
152	Dairy products	2.4	119.7	115.8	115.2
1531	Grain mill products	2.3	110.6	116.7	114.9
15331	Animal feed	0.5	104.5	90.4	106.1
1541	Bakery products- of which:	1.7	101.9	102.4	101.4
	<i>Bread</i>	<i>1.0</i>	<i>100.4</i>	<i>98.3</i>	<i>93.1</i>
15421	Sugar	7.8	109.6	89.6	88.0
15431	Sugar confectionery	1.5	105.0	110.2	113.5
15441	Starch products	0.2	116.2	96.3	98.3
15499	Other food nec	0.2	101.0	101.5	102.8
155	Beverages- of which:		104.8	121.5	114.2
	<i>Soft drinks, cordial,</i>				
	<i>syrup, mineral water</i>				
	<i>& kava</i>	<i>10.3</i>	<i>104.0</i>	<i>131.3</i>	<i>119.4</i>
	<i>Tea & coffee</i>	<i>0.2</i>	<i>101.8</i>	<i>97.3</i>	<i>99.6</i>
16001	Cigarettes	5.3	108.7	104.7	100.5
18101	Wearing apparel	10.1	96.5	97.9	98.1
19	Leather products including footwear	0.9	90.0	114.0	98.9
20	Wood & products of wood - of which:	5.1	77.3	75.6	69.2
	<i>Saw-milling & planing of wood</i>	<i>3.6</i>	<i>77.0</i>	<i>76.5</i>	<i>70.8</i>
210	Paper & paper products	2.7	101.3	100.5	104.6
221	Publishing	2.1	101.1	103.5	107.0
22211	Printing	2.8	98.6	94.5	98.8
24	Chemicals & chemical products - of which:	5.0	99.6	96.5	87.9
	<i>Paints & varnishes</i>	<i>1.4</i>	<i>118.0</i>	<i>112.4</i>	<i>97.5</i>
	<i>Soaps, detergents & cleaning preparations</i>	<i>1.8</i>	<i>104.3</i>	<i>100.6</i>	<i>97.8</i>
25	Rubber & plastic products	1.3	108.4	102.3	103.5
26	Other non-metallic mineral products - of which:	3.3	93.3	100.9	100.3
	<i>Concrete products</i>	<i>1.6</i>	<i>94.5</i>	<i>94.2</i>	<i>93.9</i>
27	Basic metals	0.7	114.8	79.7	84.7
28	Fabricated metal except machinery & equipment	5.8	118.8	102.3	84.8
29	Manufacture of machinery & equipment nec	0.2	94.4	91.2	103.4

31	Assembly of electrical machinery apparatus nec	0.8	96.7	93.8	103.2
34201	Coachwork	0.2	139.7	102.7	79.6
35111	Ship building	0.6	100.3	100.9	101.9
36102	Furniture made of wood	2.9	127.1	134.1	109.0
36101/36103	Furniture made of any other material	0.5	79.4	76.4	85.5
36104	Upholstery	0.2	90.9	84.7	72.2
369/37	Other manufacturing nec - of which:	0.7	71.5	68.5	84.6
	<i>Jewellery</i>	<i>0.4</i>	<i>71.5</i>	<i>68.5</i>	<i>84.6</i>
40101	Electricity	9.6	103.3	112.5	103.9
40201	Water	1.0	130.7	132.4	136.7
	All Group	100.0	102.3	100.6	96.8
	All group excluding sugar	92.2	101.7	101.5	97.5
	All group excluding gold	98.3	103.2	102.3	98.0

APPENDIX X**FSIC Classification**

Extract of Mining and Quarrying, Manufacturing and Electricity and Water classification from the Fiji Standard Industrial Classification 2010.

SECTION B: MINING AND QUARRYING

This section includes the extraction of minerals occurring naturally as solids e.g. ores, liquids e.g. petroleum or gases e.g. natural gas. Extraction can be achieved by different methods such as underground or surface mining, well operation, seabed mining etc. This section also includes supplementary activities aimed at preparing the crude materials for marketing e.g. crushing, grinding, cleaning, drying, sorting, concentrating ores, liquefaction of natural gas and agglomeration of solid fuels. These operations are often carried out by the units that extract the resource and/or others located nearby.

This section excludes the processing of the extracted materials (see section C—Manufacturing), which also covers the bottling of natural spring and mineral waters at springs and wells (see class 11042) or the crushing, grinding or otherwise treating certain earths, rocks and minerals not carried out in conjunction with mining and quarrying (see class 23999). This section also excludes the usage of the extracted materials without a further transformation for construction purposes (see section F—Construction), the collection, purification and distribution of water (see class 36001), separate site preparation activities for mining (see class 43101) and geophysical, geologic and seismic surveying activities (see class 71101).

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
07				MINING OF METAL ORE
	072			Mining of non-ferrous metal ores
		0729		Mining of other non-ferrous metal ores
			07291	Mining of gold and silver This sub-class includes mining and preparation of gold and silver ores valued chiefly for the gold and silver content
			07292	Mining of copper This sub-class includes mining and preparation of copper ores valued chiefly for the copper content
08				OTHER MINING AND QUARRYING

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
	081	0810	08101	<p>Quarrying of stone, sand and clay</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -quarrying, rough trimming and sawing of monumental and building stone -quarrying, crushing and breaking of limestone -mining of gypsum and anhydrite -mining of chalk and uncalcined dolomite -extraction and dredging of industrial sand, sand for construction and gravel -breaking and crushing of stone and gravel -quarrying of sand -mining of clays, refractory clays etc <p>This sub- class excludes:</p> <ul style="list-style-type: none"> -production of calcined dolomite, see 23942
	089	0899	08999	<p>Mining and quarrying nec</p> <p>This sub-class includes all other mining and quarrying e.g. salt etc not elsewhere classified</p>
09				Mining support service activities
	099	0990	09901	<p>Support activities for other mining and quarrying</p> <p>This sub-class includes support services on a fee or contract basis, required for mining activities of divisions 07 and 08:</p> <ul style="list-style-type: none"> -exploration services, e.g. traditional prospecting methods, such as taking core samples and making geological observations at prospective sites -draining and pumping services, on a fee or contract basis -test drilling and test hole boring <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -operating mines or quarries on a contract or fee basis, see division 07 or 08 -specialized repair of mining machinery, see 33121 -geophysical surveying services, on a contract or fee basis, see 71101

SECTION C: MANUFACTURING

This section includes the physical or chemical transformation of materials, substances, or components into new products, although this cannot be used as the single universal criterion for defining manufacturing (see remark on processing of waste below). The materials, substances, or components transformed are raw materials that are products of agriculture, forestry, fishing, mining or quarrying as well as products of other manufacturing activities. Substantial alteration, renovation or reconstruction of goods is generally considered to be manufacturing.

Units engaged in manufacturing are often described as plants, factories or mills and characteristically use power-driven machines and materials-handling equipment. However, units that transform materials or substances into new products by hand or in the worker's home and those engaged in selling to the general public of products made on the same premises from which they are sold, such as bakeries and custom tailors, are also included in this section. Manufacturing units may process materials or may contract with other units to process their materials for them. Both types of units are included in manufacturing.

The output of a manufacturing process may be finished in the sense that it is ready for utilization or consumption, or it may be semi-finished in the sense that it is to become an input for further manufacturing. For example, the output of alumina refining is the input used in the primary production of aluminium; primary aluminium is the input to aluminium wire drawing; and aluminium wire is the input for the manufacture of fabricated wire products.

Manufacture of specialized components and parts of, and accessories and attachments to, machinery and equipment is, as a general rule, classified in the same class as the manufacture of the machinery and equipment for which the parts and accessories are intended. Manufacture of unspecialized components and parts of machinery and equipment, e.g. engines, pistons, electric motors, electrical assemblies, valves, gears, roller bearings, is classified in the appropriate class of manufacturing, without regard to the machinery and equipment in which these items may be included.

Assembly of the component parts of manufactured products is considered manufacturing. This includes the assembly of manufactured products from either self-produced or purchased components.

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
10				MANUFACTURE OF FOOD PRODUCTS
	101	1010		Processing and preserving of meat
			10101	<p>Processing and preserving of poultry</p> <p>This sub-class includes operation of slaughterhouses engaged in killing, dressing or packing poultry: -production of fresh, chilled or frozen poultry, in carcasses, in cuts and in individual portions -production of dried, salted or smoked poultry</p> <p>This sub-class excludes: -manufacture of prepared frozen poultry dishes, see 10751 -manufacture of soup containing poultry, see 10799 -wholesale trade of poultry, see 46301 -packaging of poultry, see 82901</p>
	102	1020	10201	<p>Processing and preserving of fish, crustaceans and molluscs</p> <p>This sub-class includes: -preparation and preservation of fish, crustaceans and mollusks by freezing, deep-freezing, drying, smoking, salting, immersing in brine, canning etc.: -production of fish, crustacean and mollusc products e.g. cooked fish, fish fillets, roes, caviar, caviar substitutes etc. -production of fishmeal for human consumption or animal feed -production of meals and solubles from fish and other aquatic animals unfit for human consumption -activities of vessels engaged only in the processing and preserving of fish -processing of seaweed</p> <p>This sub-class excludes: -production of oils and fats from marine material, see 10401 -manufacture of prepared frozen fish dishes, see 10751 -manufacture of fish soups, see 10799</p>

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
	103	1030	10301	<p>Processing and preserving of fruit and vegetables</p> <p>This sub-class includes manufacture of food consisting chiefly of fruit or vegetables, except ready-made dishes in frozen or canned form</p> <ul style="list-style-type: none"> -preserving of fruit, nuts or vegetables by freezing, drying, immersing in oil or in vinegar, canning etc. -manufacture of fruit or vegetable food products -manufacture of fruit or vegetable juices -manufacture of jams, marmalades and table jellies -production of concentrates from fresh fruits and vegetables -manufacture of perishable prepared foods of fruit and vegetables, such as salads, peeled or cut vegetables, tofu (bean curd) etc. -processing and preserving of potatoes: <ul style="list-style-type: none"> -manufacture of prepared frozen potatoes -manufacture of dehydrated mashed potatoes -manufacture of potato snacks -manufacture of potato crisps -manufacture of potato flour and meal -industrial peeling of potatoes -roasting of nuts -manufacture of nut foods and pastes <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -manufacture of flour or meal of dried leguminous vegetables, see 10612 -preservation of fruit and nuts in sugar, see 10731 -manufacture of prepared vegetable dishes, see 10751 -manufacture of artificial concentrates, see 10799
		1040	10401	<p>Manufacture of vegetable and animal oils and fats</p> <p>This sub-class includes the manufacture of crude and refined oils and fats from vegetable or animal materials. It includes:</p> <ul style="list-style-type: none"> -processing of vegetable oils by blowing, boiling, dehydration, hydrogenation etc. -manufacture of margarine -manufacture of compound cooking fats -manufacture of non-edible animal oils and fats -production of cotton linters, oilcakes and other residual products of oil production <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -wet corn milling, see 10621 -production of essential oils, see 20299

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				-treatment of oil and fats by chemical processes, see 20299
	105	1050		Manufacture of dairy products
			10501	<p>Manufacture of dairy products, except ice cream</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of fresh liquid milk, pasteurized, sterilized, homogenized and/or ultra heat treated -manufacture of milk-based drinks -manufacture of cream from fresh liquid milk, pasteurized, sterilized, homogenized -manufacture of dried or concentrated milk whether or not sweetened -manufacture of milk or cream in solid form -manufacture of butter -manufacture of yoghurt -manufacture of cheese and curd -manufacture of whey -manufacture of casein or lactose <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -manufacture of ice cream and other edible ice such as sorbet, see 10502 -activities of ice cream parlours, see 56101 -production of raw milk, see 01412 -manufacture of non-dairy milk and cheese substitutes, see 10799
			10502	<p>Manufacture of ice cream</p> <p>This sub-class includes manufacture of ice cream and other edible ice such as sorbet</p> <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -activities of ice cream parlours, see 56101
	106			<p>Manufacture of grain mill products, starches and starch products</p> <p>This group includes the milling of flour or meal from grains or vegetables, the milling, cleaning and polishing of rice, as well as the manufacture of flour mixes or dough from these products. Also included in this group are the wet milling of corn and vegetables and the manufacture of starch and starch products.</p>

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
		1061		Manufacture of grain mill products
			10611	Rice milling This sub-class includes: -rice milling i.e. production of husked, milled, polished, glazed, parboiled or converted rice -production of rice flour
			10612	Flour milling This sub-class includes grain milling i.e. production of flour, groats, meal or pellets of wheat, maize (corn) or other cereal grains
			10619	Manufacture of other grain mill products n.e.c. This sub-class includes: -vegetable milling i.e. production of flour or meal of dried leguminous vegetables, of roots or tubers, or of edible nuts -manufacture of cereal breakfast foods -manufacture of flour mixes and prepared blended flour and dough for bread, cakes, biscuits or pancakes This sub-class excludes: -rice milling, see 10611 -flour milling, see 10612 -manufacture of potato flour and meal, see 10301 -wet corn milling, see 10621
		1062	10621	Manufacture of starches and starch products This sub-class includes: -manufacture of starches from rice, potatoes, maize etc. -wet corn milling -manufacture of glucose, glucose syrup, maltose, etc. -manufacture of gluten -manufacture of tapioca and tapioca substitutes prepared from starch -manufacture of corn oil This sub-class excludes: -manufacture of lactose (milk sugar), see 10502

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
	107			<p>Manufacture of other food products</p> <p>This group includes the production of a variety of food products not included in previous groups of this division. This includes the production of bakery products, sugar and confectionery, macaroni, noodles and similar products, prepared meals and dishes, coffee, tea and spices, as well as perishable and specialty food products.</p>
		1071		<p>Manufacture of bakery products</p> <p>This class includes the manufacture of fresh, frozen or dry bakery products.</p>
			10711	<p>Bread manufacturing</p> <p>This sub-class includes the manufacture of all types of bread and rolls, including buns.</p>
			10712	<p>Cake and pastry manufacturing</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of fresh pastry, cakes, pies, tarts etc. -manufacture of preserved pastry goods and cakes -manufacture of frozen bakery products i.e. pancakes, waffles, rolls etc.
			10713	<p>Biscuit manufacturing</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of rusks, biscuits and other “dry” bakery products -manufacture of snack products (cookies, crackers, pretzels etc.), whether sweet or salted -manufacture of tortillas
		1072	10721	<p>Manufacture of sugar</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture or refining of sugar (sucrose) and sugar substitutes from the juice of cane etc -manufacture of sugar syrups -manufacture of molasses

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
		1073	10731	<p>Manufacture of cocoa, chocolate and sugar confectionery</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of cocoa -manufacture chocolate confectionery -manufacture of sugar confectionery -manufacture of chewing gum -preserving in sugar of fruit, nuts, fruit peels and other parts of plants <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -manufacture of sucrose sugar, see 10721
		1074	10741	<p>Manufacture of macaroni, noodles, couscous and similar farinaceous products</p> <p>This sub-class includes manufacture of pastas such as macaroni, noodles, whether or not cooked or stuffed, couscous, canned or frozen pasta products etc</p>
		1075	10751	<p>Manufacture of prepared meals and dishes</p> <p>This sub-class includes the manufacture of ready-made (i.e. prepared, seasoned and cooked) meals and dishes. These dishes are processed to preserve them, such as in frozen or canned form, and are usually packaged and labeled for re-sale, i.e. this class does not include the preparation of meals for immediate consumption, such as in restaurants. To be considered a dish, these foods have to contain at least two distinct main ingredients (except seasonings etc.).</p> <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -preparation of meals and dishes for immediate consumption, see division 56 -activities of food service contractors, see division 56
		1079	10799	<p>Manufacture of other food products n.e.c.</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -decaffeinating and roasting of coffee; production of coffee products e.g. ground coffee, soluble coffee and extracts and concentrates of coffee and manufacture of coffee substitutes -blending of tea and mate and manufacture of extracts and preparations based on tea or maté -manufacture of soups and broths

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				<p>-manufacture of special foods, such as infant formula; baby foods and foods containing homogenized ingredients</p> <p>-manufacture of spices, sauces and condiments e.g. mayonnaise; mustard flour and meal and prepared mustard etc.</p> <p>-manufacture of vinegar</p> <p>-manufacture of artificial honey and caramel</p> <p>-manufacture of perishable prepared foods, such as sandwiches and -fresh (uncooked) pizza etc</p> <p>-manufacture of herb infusions (mint, vervain, chamomile etc.)</p> <p>-manufacture of yeast</p> <p>-manufacture of extracts and juices of meat, fish, crustaceans or molluscs</p> <p>-manufacture of non-dairy milk and cheese substitutes</p> <p>-manufacture of egg products, egg albumin</p> <p>-processing of salt into food-grade salt, e.g. iodized salt</p> <p>-manufacture of artificial concentrates</p> <p>This sub-class excludes:</p> <p>-growing of spice crops, see class 0128</p> <p>-manufacture of perishable prepared foods of fruit and vegetables (e.g. salads, peeled vegetables, bean curd), see 10301</p> <p>-manufacture of frozen pizza, see 10751</p> <p>-manufacture of spirits, beer, wine and soft drinks, see division 11</p> <p>-preparation of botanical products for pharmaceutical use, see 21001</p>
		1080	10801	<p>Manufacture of prepared animal feeds</p> <p>This sub-class includes:</p> <p>-manufacture of prepared feeds for pets, including dogs, cats, birds, fish etc.</p> <p>-manufacture of prepared feeds for farm animals, including animal feed concentrates and feed supplements</p> <p>-preparation of unmixed (single) feeds for farm animals</p> <p>-treatment of slaughter waste to produce animal feeds</p> <p>This sub-class excludes:</p> <p>-production of fishmeal for animal feed, see 10201</p> <p>-production of oilseed cake, see 10401</p> <p>-activities resulting in by-products usable as animal feed without special treatment, e.g. oilseeds (see 10401), grain milling residues (see class 1061) etc.</p>

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
11				MANUFACTURE OF BEVERAGES
		1101	11011	<p>Distilling, rectifying and blending of spirits</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of distilled, potable, alcoholic beverages e.g. whisky, brandy, gin, liqueurs, “mixed drinks” etc. -blending of distilled spirits -production of neutral spirits <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -manufacture of non-distilled alcoholic beverages, see 11021, 11031 -merely bottling and labeling, see 46301 (if performed as part of wholesale) and 82901 (if performed on a fee or contract basis)
		1102	11021	<p>Manufacture of wines</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of wine, including sparkling wine; blending of wine and manufacture of low or non-alcoholic wine -manufacture of wine from concentrated grape must -manufacture of fermented but not distilled alcoholic beverages e.g. sake, cider, mead, other fruit wines and mixed beverages containing alcohol -manufacture of vermouth and the like <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -manufacture of vinegar, see 10799 -merely bottling and labeling, see 46302 (if performed as part of wholesale) and 82901 (if performed on a fee or contract basis)
		1103	11031	<p>Manufacture of malt liquors and malt</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of malt liquors, such as beer, ale, porter and stout -manufacture of malt -manufacture of low alcohol or non-alcoholic beer
		1104		<p>Manufacture of soft drinks; production of mineral waters and other bottled waters</p> <p>This class includes manufacture of non-alcoholic</p>

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				<p>beverages, except non-alcoholic beer and wine</p> <p>This class excludes:</p> <ul style="list-style-type: none"> -production of fruit and vegetable juice, see 10301 -manufacture of milk-based drinks, see 10501 -manufacture of coffee, tea and maté products, see 10799 -manufacture of alcohol-based drinks, see 11011, 11021, 11031 -manufacture of non-alcoholic wine, see 11021 -manufacture of non-alcoholic beer, see 11031 -merely bottling and labeling, see 46302 (if performed as part of wholesale) and 82901 (if performed on a fee or contract basis)
			11041	<p>Manufacture of soft drink, cordial and syrup</p> <p>This sub-class includes manufacture of soft drinks i.e. non-alcoholic flavoured and/or sweetened waters: lemonade, orangeade, cola, fruit drinks, tonic waters etc.</p>
			11042	<p>Production of mineral water</p> <p>This sub-class includes production of natural mineral waters and other bottled waters</p>
		1105	11051	<p>Pounding and packing of yaqona (kava)</p> <p>This sub-class includes the pounding and packing of yaqona (kava)</p>
	120	1200	12001	<p>Manufacture of tobacco products</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of tobacco products and products of tobacco substitutes i.e. cigarettes, cigarette tobacco, cigars, pipe tobacco, chewing tobacco, snuff -manufacture of “homogenized” or “reconstituted” tobacco -stemming and redrying of tobacco <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -growing or preliminary processing of tobacco, see 01151.

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
13				MANUFACTURE OF TEXTILES
	131	1310	13101	<p>Spinning, weaving and finishing of textiles</p> <p>This sub-class includes</p> <ul style="list-style-type: none"> -preparation and spinning of textile fibres - weaving of textiles -finishing of textiles e.g. bleaching of jeans, pleating and similar work on textiles, waterproofing, coating, rubberizing or impregnating of garments, silk-screen printing on textiles and wearing apparel
	139	1390	13901	<p>Manufacture of made-up textile articles, except apparel and manufacture of cordage, rope, twine and netting</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture, of made-up articles of any textile material, including knitted or crocheted fabrics. It includes blankets; bed, table, toilet or kitchen linen; quilts, cushions, pillows, sleeping bags etc. -manufacture of made-up furnishing articles e.g. curtains; valances; blinds; bedspreads; furniture, cars or machine covers; tarpaulins; tents; camping goods; sails; flags; banners; dust cloths; dishcloths and similar articles; life jackets, parachutes etc. -manufacture of hand-woven tapestries -manufacture of tire covers -manufacture of twine, cordage, rope and cables of textile fibres or strip or the like, whether or not impregnated, coated, covered or sheathed with rubber or plastics -manufacture of knotted netting of twine, cordage or rope -manufacture of products of rope or netting e.g. fishing nets, ships' fenders, unloading cushions, loading slings, rope or cable fitted with metal rings etc. <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -manufacture of textile articles for technical use, see 13901 -manufacture of hairnets, see 14101
14				<p>MANUFACTURE OF WEARING APPAREL</p> <p>This division includes all tailoring (ready-to-wear or made-to-measure), in all materials (e.g. leather, fabric, knitted and crocheted fabrics etc.), of all items of clothing (e.g. outerwear, underwear for men, women or</p>

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				children; work, city or casual clothing etc.) and accessories. There is no distinction made between clothing for adults and clothing for children, or between modern and traditional clothing:
	141	1410	14101	<p>Manufacture of wearing apparel</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of wearing apparel made of leather or composition leather, including leather industrial work accessories such as welder's leather aprons -manufacture of work wear -manufacture of other outerwear made of woven, knitted or crocheted fabric, non-wovens etc. for men, women and children e.g. coats, suits, ensembles, jackets, trousers, skirts etc. -manufacture of underwear and nightwear made of woven, knitted or crocheted fabric, lace etc. for men, women and children e.g. shirts, T-shirts, underpants, briefs, pyjamas, nightdresses, dressing gowns, blouses, slips, brassieres, corsets etc. -manufacture of babies' garments, tracksuits, ski suits, swimwear etc. -manufacture of hats and caps -manufacture of other clothing accessories: gloves, belts, shawls, ties, hairnets etc. -custom tailoring -manufacture of footwear of textile material without applied soles -manufacture of parts of the products listed <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -manufacture of footwear, see 15201 -manufacture of wearing apparel of rubber or plastics not assembled by stitching but merely sealed together, see 22199, 22201 -repair of wearing apparel, see 95299
15				MANUFACTURE OF FOOTWEAR AND LEATHER PRODUCTS
	152	1520	<i>15201</i>	<p>Manufacture of footwear and leather products</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of footwear for all purposes, of any material, by any process, including moulding (see below for exceptions) -manufacture of leather parts of footwear i.e.

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				<p>manufacture of uppers and parts of uppers, outer and inner soles, heels etc.</p> <p>-manufacture of gaiters, leggings and similar articles</p> <p>-manufacture of luggage, handbags, saddlery and harness and other articles not elsewhere classified of leather or composition leather. Also included here is the manufacture of luggage, handbags and the like when made of other materials (mostly imitation leather) such as plastics, textile materials, vulcanised fibre or paperboard.</p> <p>This sub-class excludes:</p> <p>-manufacture of footwear of textile material without applied soles, see 14101</p> <p>-manufacture of wooden shoe parts (e.g. heels and lasts), see 16201</p> <p>-manufacture of rubber boot and shoe heels and soles and other rubber footwear parts, see 22199</p> <p>-manufacture of plastic footwear parts, see 22201</p>
16				MANUFACTURE OF WOOD AND OF PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; MANUFACTURE OF ARTICLES OF STRAW AND PLAITING MATERIALS
	161	1610	16101	<p>Sawmilling and planing of wood</p> <p>This sub-class includes:</p> <p>-sawing, planing and machining of wood</p> <p>-slicing, peeling or chipping logs</p> <p>-manufacture of unassembled wooden flooring</p> <p>-manufacture of wood wool, wood flour, chips, particles</p> <p>This sub-class also includes drying of wood and impregnation or chemical treatment of wood with preservatives or other materials</p> <p>This sub-class excludes:</p> <p>-logging and production of wood in the rough, see 02201</p> <p>-manufacture of veneer sheets thin enough for use in plywood, boards and panels, see 16201</p> <p>-manufacture of shingles and shakes, beadings and mouldings, see 16201</p>
	162			Manufacture of products of wood, cork, straw and plaiting materials
		1620	16201	Manufacture of products of wood, cork, straw and plaiting materials

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				<p>This sub-class includes the manufacture of products of wood, cork, straw or plaiting materials, including basic shapes as well as assembled products:</p> <ul style="list-style-type: none"> -manufacture of veneer sheets and wood-based panels thin enough to be used for veneering, making plywood or other purposes -manufacture of builders' carpentry and joinery intended to be used primarily in the construction industry e.g. beams, rafters, wooden beadings and mouldings. It includes manufacture of prefabricated buildings, or elements thereof, predominantly of wood; manufacture of mobile homes and manufacture of wood partitions (except free standing) -manufacture of wooden containers e.g. boxes, crates, barrels, vats, cable-drums etc. -manufacture of other products of wood and articles of cork, straw and plaiting materials e.g. wooden handles for tools, brooms, brushes; wooden boot or shoe parts (e.g. heels); wooden clothes hangers; wooden mirror and picture frames; wooden frames for artists' canvases; household utensils and kitchenware of wood; wooden statuettes and ornaments, wooden cases for jewellery, cutlery and similar articles; wooden handles for umbrellas; canes; products of plaiting materials e.g. mats, screens, basket-ware <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -manufacture of unassembled wooden flooring, see 16101 -manufacture of kitchen cabinets, bookcases, wardrobes etc., see 31001 -manufacture of wood partitions, free standing, see 31001 -manufacture of mats or matting of textile materials, see 13901 -manufacture of wooden footwear, see 15201 -manufacture of matches, see 20299 -manufacture of furniture, see 31001 -manufacture of wooden toys, see 32999 -manufacture of brushes and brooms, see 32999 -manufacture of caskets, see 32999
17				MANUFACTURE OF PAPER AND PAPER PRODUCTS
	170			Manufacture of paper and paper products
		1701	17011	Manufacture of pulp, paper and paperboard This sub-class includes:

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				<p>-manufacture of bleached, semi-bleached or unbleached paper pulp by mechanical, chemical (dissolving or non-dissolving) or semi-chemical processes</p> <p>-manufacture of cotton-linters pulp</p> <p>-removal of ink and manufacture of pulp from waste paper</p> <p>-manufacture of paper and paperboard intended for further industrial processing</p> <p>-further processing of paper and paperboard i.e. coating, covering and impregnating of paper and paperboard; manufacture of crêped or crinkled paper and laminates and foils, if laminated with paper or paperboard</p> <p>-manufacture of handmade paper</p> <p>-manufacture of newsprint and other printing or writing paper</p> <p>-manufacture of cellulose wadding and webs of cellulose fibres</p> <p>-manufacture of carbon paper or stencil paper in rolls or large sheets</p> <p>This sub-class excludes:</p> <p>-manufacture of corrugated paper and paperboard, see 17021</p> <p>-manufacture of further-processed articles of paper, paperboard or pulp, see 17099</p> <p>-manufacture of abrasive paper, see 23999</p>
		1702	17021	<p>Manufacture of corrugated paper and paperboard and of containers of paper and paperboard</p> <p>This sub-class includes:</p> <p>-manufacture of corrugated paper and paperboard and containers of corrugated paper or paperboard</p> <p>-manufacture of folding paperboard containers</p> <p>-manufacture of containers of solid board</p> <p>-manufacture of other containers of paper and paperboard</p> <p>-manufacture of sacks and bags of paper</p> <p>-manufacture of office box files and similar articles</p> <p>This sub-class excludes:</p> <p>-manufacture of envelopes, see 17099</p> <p>-manufacture of moulded or pressed articles of paper pulp (e.g. boxes for packing eggs, moulded pulp paper plates), see 17099.</p>

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
		1709	17099	<p>Manufacture of other articles of paper and paperboard</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of household and personal hygiene paper and cellulose wadding products e.g. cleansing tissues; handkerchiefs, towels, serviettes; toilet paper; sanitary towels and tampons, napkins and napkin liners for babies; cups, dishes and trays -manufacture of textile wadding and articles of wadding: sanitary towels, tampons etc. -manufacture of printing and writing paper; computer printout paper; self-copy paper; gummed or adhesive paper and duplicator stencils and carbon paper ready for use -manufacture of envelopes and letter-cards -manufacture of registers, accounting books, binders, albums and similar educational and commercial stationery -manufacture of boxes, pouches, wallets and writing compendiums containing an assortment of paper stationery -manufacture of wallpaper and similar wall coverings, including vinyl-coated and textile wallpaper -manufacture of labels -manufacture of filter paper and paperboard -manufacture of paper and paperboard bobbins, spools, cops etc. -manufacture of egg trays and other moulded pulp packaging products etc. -manufacture of paper novelties <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -manufacture of paper or paperboard in bulk, see 17011 -printing on paper products, see 18111 -manufacture of playing cards, see 32999 -manufacture of games and toys of paper or paperboard, see 32999
18				PRINTING, AND REPRODUCTION OF RECORDED MEDIA
	181	1811	18111	<p>Printing and service activities related to printing</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -printing of newspapers, magazines and other periodicals, books and brochures, music and music

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				<p>manuscripts, maps, atlases, posters, advertising catalogues, prospectuses and other printed advertising, postage stamps, taxation stamps, documents of title, cheques and other security papers, diaries, calendars, business forms and other commercial printed matter, personal stationery and other printed matter by letterpress, offset, photogravure, flexographic and other printing presses, duplication machines, computer printers, embossers etc., including quick printing</p> <ul style="list-style-type: none"> -printing directly onto textiles, plastic, glass, metal, wood and ceramics (except silkscreen printing on textiles and wearing apparel) -printing on labels or tags (lithographic, gravure printing, flexographic printing, other) -binding of printed sheets, e.g. into books, brochures, magazines, catalogues etc., by folding, assembling, stitching, glueing, collating, basting, adhesive binding, trimming, gold stamping -composition, typesetting, phototypesetting, pre-press data input including scanning and optical character recognition, electronic make-up -plate-making services including image-setting and plate-setting (for the printing processes letterpress and offset) -engraving or etching of cylinders for gravure -plate processes direct to plate (also photopolymer plates) -preparation of plates and dies for relief stamping or printing -production of proofs -artistic work including preparation of litho stones and prepared woodblocks -production of reprographic products -design of printing products e.g. sketches, layouts, dummies etc. -other graphic activities such as die-sinking or die-stamping, Braille copying, punching and drilling, embossing, varnishing and laminating, collating and inseting, creasing <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -silk-screen printing on textiles and wearing apparel, see 13101 -manufacture of paper articles, such as binders, see 17099

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
	182	1820	18201	<p>Reproduction of recorded media</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -reproduction from master copies of gramophone records, compact discs and tapes with music or other sound recordings -reproduction from master copies of records, compact discs and tapes with motion pictures and other video recordings -reproduction from master copies of software and data on discs and tapes <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -reproduction of printed matter, see 18111 -publishing of software, see 58201 -production and distribution of motion pictures, video tapes and movies on DVD or similar media, see 59101 -reproduction of motion picture film for theatrical distribution, see 59101 -production of master copies for records or audio material, see 59201
19				<p>MANUFACTURE OF COKE AND REFINED PETROLEUM PRODUCTS</p>
	192	1920	19201	<p>Manufacture of refined petroleum products</p> <p>This sub-class includes the manufacture of liquid or gaseous fuels or other products from crude petroleum, bituminous minerals or their fractionation products:</p> <ul style="list-style-type: none"> -production of motor fuel: gasoline, kerosene etc. -production of fuel: light, medium and heavy fuel oil, refinery gases such as ethane, propane, butane etc. -manufacture of oil-based lubricating oils or greases, including from waste oil -manufacture of products for the petrochemical industry and for the manufacture of road coverings -manufacture of various products: white spirit, Vaseline, paraffin wax, petroleum jelly etc. -manufacture of hard-coal and lignite fuel briquettes -manufacture of petroleum briquettes -blending of biofuels, i.e. blending of alcohols with petroleum (e.g. gasohol).

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
20				MANUFACTURE OF CHEMICALS AND CHEMICAL PRODUCTS
	201			Manufacture of basic chemicals, fertilizers and nitrogen compounds, plastics and synthetic rubber in primary forms This group includes the manufacture of basic chemical products, fertilizers and associated nitrogen compounds, as well as plastics and synthetic rubber in primary forms.
		2012	20121	Manufacture of fertilizers and nitrogen compounds This sub-class includes: -manufacture of fertilizers: straight or complex nitrogenous, phosphatic or potassic fertilizers; urea, crude natural phosphates and crude natural potassium salts -manufacture of associated nitrogen products: nitric and sulphonitric acids, ammonia, ammonium chloride, ammonium carbonate, nitrites and nitrates of potassium -manufacture of potting soil with peat as main constituent -manufacture of potting soil mixtures of natural soil, sand, clays and minerals This sub-class excludes: -manufacture of agrochemical products, such as pesticides, see 20211 -operation of compost dumps, see 38201
		2019	20199	Manufacture of basic chemicals, plastics and synthetic rubber in primary forms not elsewhere classified This sub-class includes -the manufacture of chemicals using basic processes, such as thermal cracking and distillation. The output of these processes are usually separate chemical elements or separate chemically defined compounds: -manufacture of liquefied or compressed inorganic industrial or medical gases e.g. refrigerant gases; mixed industrial gases; inert gases such as carbon dioxide etc -manufacture of dyes and pigments from any source in basic form or as concentrate -manufacture of chemical elements -manufacture of inorganic acids except nitric acid

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				<ul style="list-style-type: none"> -manufacture of alkalis, lyes and other inorganic bases except ammonia -manufacture of other inorganic compounds -manufacture of basic organic chemicals e.g. fermentation of sugarcane, corn etc to produce alcohol and esters -manufacture of distilled water -manufacture of synthetic aromatic products -manufacture of plastics and synthetic rubber in primary forms -manufacture of plastics in primary forms -manufacture of synthetic rubber in primary forms
	202			Manufacture of other chemical products
		2021	20211	<p>Manufacture of pesticides and other agrochemical products</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of insecticides, rodenticides, fungicides, herbicides -manufacture of anti-sprouting products, plant growth regulators -manufacture of disinfectants (for agricultural and other use) -manufacture of other agrochemical products n.e.c. <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -manufacture of fertilizers and nitrogen compounds, see 20121
		2022	20221	<p>Manufacture of paints, varnishes and similar coatings, printing ink and mastics</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of paints and varnishes, enamels or lacquers -manufacture of prepared pigments and dyes -manufacture of verifiable enamels and glazes and engobes and similar preparations -manufacture of mastics -manufacture of caulking compounds and similar non-refractory filling or surfacing preparations -manufacture of organic composite solvents and thinners -manufacture of prepared paint or varnish removers -manufacture of printing ink.

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
		2023	20231	<p>Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of organic surface-active agents -manufacture of soap -manufacture of paper, wadding, felt etc. coated or covered with soap or detergent -manufacture of crude glycerol -manufacture of surface-active preparations e.g. washing powders in solid or liquid form and detergents; dish-washing preparations; textile softeners -manufacture of cleaning and polishing products e.g. preparations for perfuming or deodorizing rooms; artificial waxes and prepared waxes; polishes and creams for leather; polishes and creams for wood; polishes for coachwork, glass and metal; scouring pastes and powders, including paper, wadding etc. coated or covered with these -manufacture of perfumes and toilet preparations e.g. perfumes and toilet water; beauty and make-up preparations; sunburn prevention and suntan preparations; manicure and pedicure preparations; shampoos, hair lacquers, waving and straightening preparations; dentifrices and preparations for oral hygiene, including denture fixative preparations; shaving preparations, including pre-shave and aftershave preparations; deodorants and bath salts; depilatories <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -extraction and refining of natural essential oils, see 20299
		2029	20299	<p>Manufacture of other chemical products n.e.c.</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of propellant powders -manufacture of gelatine and its derivatives, glues and prepared adhesives, including rubber-based glues and adhesives -manufacture of extracts of natural aromatic products -manufacture of resinoids -manufacture of aromatic distilled waters -manufacture of mixtures of odoriferous products for the manufacture of perfumes or food -manufacture of chemical preparations for photographic

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				<p>uses</p> <ul style="list-style-type: none"> -manufacture of various chemical products e.g. essential oils; chemically modified oils and fats; materials used in the finishing of textiles and leather; powders and pastes used in soldering, brazing or welding; substances used to pickle metal; prepared additives for cements; activated carbon, lubricating oil additives; composite diagnostic or laboratory reagents -manufacture of writing and drawing ink -manufacture of matches <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -manufacture of printing ink, see 20221 -manufacture of perfumes and toilet preparations, see 20231
21				MANUFACTURE OF BASIC PHARMACEUTICAL PRODUCTS AND PHARMACEUTICAL PREPARATIONS
	210	2100	21001	<p>Manufacture of pharmaceuticals, medicinal chemical and botanical products</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments including homeopathic preparations -processing of blood -manufacture of medical impregnated wadding, gauze, bandages, dressings etc. -preparation of botanical products (grinding, grading, milling) for pharmaceutical use <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -manufacture of herb infusions (mint, chamomile etc.), see 10799 -wholesale of pharmaceuticals, see 46491 -retail sale of pharmaceuticals, see 47721 -research and development for pharmaceuticals and biotech pharmaceuticals, see 72101 -packaging of pharmaceuticals, see 82901
22				MANUFACTURE OF RUBBER AND PLASTICS PRODUCT
	221			Manufacture of rubber products

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
		2211	22111	<p>Manufacture of rubber tyres and tubes; retreading and rebuilding of rubber tyres</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of rubber tyres for vehicles, equipment, mobile machinery, aircraft, toy, furniture and other uses: -manufacture of inner tubes for tyres -manufacture of interchangeable tyre treads, tyre flaps, “camelback” strips for retreading tyres etc. -tyre rebuilding and retreading <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -manufacture of tube repair materials, see 22199 -tyre and tube repair, fitting or replacement, see 45201
		2219	22199	<p>Manufacture of other rubber products</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened: <ul style="list-style-type: none"> -rubber plates, sheets, strip, rods, profile shapes -tubes, pipes and hoses -rubber conveyor or transmission belts or belting -rubber hygienic articles: sheath contraceptives, teats, hot water bottles etc. -rubber articles of apparel (if only sealed together, not sewn) -rubber thread and rope -rubberized yarn and fabrics -rubber rings, fittings and seals -rubber roller coverings -inflatable rubber mattresses -inflatable balloons -manufacture of rubber brushes -manufacture of hard rubber pipe stems -manufacture of hard rubber combs, hair pins, hair rollers, and similar -manufacture of rubber repair materials -manufacture of textile fabric impregnated, coated, covered or laminated with rubber, where rubber is the chief constituent -manufacture of rubber waterbed mattresses -manufacture of rubber bathing caps and aprons -manufacture of rubber wet suits and diving suits -manufacture of rubber sex articles <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -manufacture of tyre cord fabrics, see 13901

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				<ul style="list-style-type: none"> -manufacture of apparel of elastic fabrics, see 14101 -manufacture of rubber footwear, see 15201 -manufacture of glues and adhesives based on rubber, see 20299 -manufacture of inflatable rafts and boats, see 30101 -manufacture of mattresses of uncovered cellular rubber, see 31001 -manufacture of rubber games and toys (including children's wading pools, inflatable children rubber boats, inflatable rubber animals, balls and the like), see 32999
	222	2220	22201	<p>Manufacture of plastics products</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of semi-manufactures of plastic products e.g. plastic plates, sheets, blocks, etc. -manufacture of finished plastic products e.g. plastic tubes, pipes and hoses; hose and pipe fittings -manufacture of plastic articles for the packing of goods e.g. plastic bags, sacks, containers, boxes, cases, bottles etc. -manufacture of builders' plastics ware e.g. plastic doors, windows, frames, shutters, blinds, skirting boards; tanks, reservoirs; plastic sanitary ware, such as plastic baths, washbasins, lavatory pans, flushing cisterns etc. -manufacture of plastic tableware, kitchenware and toilet articles -cellophane film or sheet -manufacture of resilient floor coverings, such as vinyl, linoleum etc. -manufacture of plastic signs (non-electrical) -manufacture of diverse plastic products e.g. plastic headgear, insulating fittings, parts of lighting fittings, office or school supplies, articles of apparel (if only sealed together, not sewn), fittings for furniture, statuettes, transmission and conveyer belts, combs, plastics hair curlers, plastics novelties, etc. <p>This sub-class includes manufacture of PVC (polyvinyl chloride) products.</p> <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -manufacture of plastic luggage, see 15201 -manufacture of plastic footwear, see 15201 -manufacture of plastics in primary forms, see 201999 -manufacture of plastic furniture, see 31001 -manufacture of mattresses of uncovered cellular plastic, see 31001

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				-manufacture of plastic sports requisites, see 32999 -manufacture of plastic games and toys, see 32999 -manufacture of plastics hard hats and other personal safety equipment of plastics, see 32999
23				MANUFACTURE OF OTHER NON-METALLIC MINERAL PRODUCTS
	231	2310	<i>23101</i>	Manufacture of glass and glass products This sub-class includes the manufacture of glass in all forms, made by any process and the manufacture of articles of glass: -manufacture of flat glass, including wired, coloured or tinted flat glass -manufacture of toughened or laminated flat glass -manufacture of glass in rods or tubes -manufacture of glass paving blocks -manufacture of glass mirrors -manufacture of multiple-walled insulating units of glass -manufacture of bottles and other containers of glass or crystal -manufacture of drinking glasses and other domestic glass or crystal articles -manufacture of glass fibres, including glass wool and non-woven products thereof -manufacture of laboratory, hygienic or pharmaceutical glassware -manufacture of clock or watch glasses, optical glass and optical elements not optically worked -manufacture of glassware used in imitation jewellery -manufacture of glass insulators and glass insulating fittings -manufacture of glass envelopes for lamps -manufacture of glass figurines
	239			Manufacture of non-metallic mineral products
		2394	<i>23942</i>	Manufacture of cement, lime and plaster This sub-class includes: -manufacture of clinkers and hydraulic cements, including Portland, aluminous cement, slag cement and superphosphate cements -manufacture of quicklime, slaked lime and hydraulic lime -manufacture of plasters of calcined gypsum or calcined sulphate

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				<p>-manufacture of calcined dolomite</p> <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -manufacture of articles of cement, see 23951 -manufacture of articles of plaster, see 23951 -manufacture of ready-mixed and dry-mix concrete and mortars, see 23951
		2395	<i>23951</i>	<p>Manufacture of articles of concrete, cement and plaster</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of precast concrete, cement or artificial stone articles for use in construction e.g. tiles, flagstones, bricks, boards, sheets, panels, pipes, posts etc. -manufacture of prefabricated structural components for buildings or civil engineering of cement, concrete or artificial stone -manufacture of plaster articles for use in construction e.g. boards, sheets, panels etc. -manufacture of building materials of vegetable substances (wood wool, straw, reeds, rushes) agglomerated with cement, plaster or other mineral binder -manufacture of articles of asbestos-cement or cellulose fibre-cement or the like e.g. corrugated sheets, other sheets, panels, tiles, tubes, pipes, reservoirs, troughs, basins, sinks, jars, furniture, window frames etc. -manufacture of other articles of concrete, plaster, cement or artificial stone e.g. statuary, furniture, bas- and haut-reliefs, vases, flowerpots etc. -manufacture of powdered mortars -manufacture of ready-mix and dry-mix concrete and mortars
		2396	<i>23961</i>	<p>Cutting, shaping and finishing of stone</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -cutting, shaping and finishing of stone for use in construction, in cemeteries, on roads, as roofing etc. -manufacture of stone furniture <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -production of rough cut stone, i.e. quarrying activities, see 08101 -production of millstones, abrasive stones and similar products, see 23999 -activities of sculptors, see 90001.

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
		2399	23999	<p>Manufacture of other non-metallic mineral products n.e.c.</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -manufacture of refractory products -manufacture of clay building materials -manufacture of flooring blocks in baked clay -manufacture of ceramic sanitary fixtures -manufacture of other porcelain and ceramic products -manufacture of millstones, sharpening or polishing stones and natural or artificial abrasive products, including abrasive products on a soft base (e.g. sandpaper) -manufacture of friction material and unmounted articles thereof with a base of mineral substances or of cellulose -manufacture of mineral insulating materials -manufacture of articles of diverse mineral substances -manufacture of articles of asphalt or similar material, e.g. asphalt-based adhesives, coal tar pitch etc. -carbon and graphite fibers and products (except electrodes and electrical applications)
24				MANUFACTURE OF BASIC METALS
	241	2410	24101	<p>Manufacture of basic metals</p> <p>This sub-class includes the activities of smelting and/or refining ferrous and non-ferrous metals from ore, pig or scrap, using electrometallurgic and other process metallurgic techniques. This sub-class also includes the manufacture of metal alloys and super-alloys by introducing other chemical elements to pure metals. The output of smelting and refining, usually in ingot form, is used in rolling, drawing and extruding operations to make products such as plate, sheet, strip, bars, rods, wire, tubes, pipes and hollow profiles, and in molten form to make castings and other basic metal products:</p> <p>This class excludes:</p> <ul style="list-style-type: none"> -manufacture of precious metal jewellery, see 32101
	243	2431	24311	<p>Casting of metals</p> <p>This sub-class includes the manufacture of semi-finished products and various castings by a casting process.</p>

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
25				MANUFACTURE OF FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT
	251	2510	25101	<p>Manufacture of structural metal products, tanks, reservoirs and steam generators</p> <p>This sub-class includes: -manufacture of structural metal products -manufacture of tanks, reservoirs and containers of metal -manufacture of steam generators, except central heating hot water boilers</p> <p>This sub-class excludes: -manufacture of metal casks, drums, cans, pails, boxes etc. of a kind normally used for carrying and packing of goods, see 25901 -manufacture of transport containers, see 29201</p>
	259	2590	25901	<p>Manufacture of other fabricated metal products; metalworking service activities</p> <p>This sub-class includes general activities for the treatment of metal, such as forging or pressing, plating, coating, engraving, boring, polishing, welding etc., which are typically carried out on a fee or contract basis. This sub-class also includes the manufacture of a variety of metal products, such as cutlery; metal hand tools and general hardware; cans and buckets; nails, bolts and nuts; metal household articles; metal fixtures; ships propellers and anchors etc. for a variety of household and industrial uses.</p> <p>This sub-class excludes: -manufacture of tanks and reservoirs, see 25101 -manufacture of metal furniture, see 31001</p>
29				MANUFACTURE OF MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS
	292	2920	29201	<p>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</p> <p>This sub-class includes: -manufacture of bodies, including cabs for motor vehicles -outfitting of all types of motor vehicles, trailers and semi-trailers</p>

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				<p>-manufacture of trailers and semi-trailers for transport of goods and passengers</p> <p>-manufacture of containers for carriage by one or more modes of transport</p> <p>This sub-class excludes:</p> <p>-manufacture of parts and accessories of bodies for motor vehicles, see 29301</p>
	293	2930	29301	<p>Manufacture of parts and accessories for motor vehicles</p> <p>This sub-class includes:</p> <p>-manufacture of diverse parts and accessories for motor vehicles e.g. radiators, silencers, exhaust pipes, etc</p> <p>-manufacture of parts and accessories of bodies for motor vehicles e.g. bumpers</p> <p>-manufacture of car seats</p> <p>This sub-class excludes:</p> <p>-manufacture of tyres, see 22111</p> <p>-manufacture of rubber hoses and belts and other rubber products, see 22199</p> <p>-manufacture of plastic hoses and belts and other plastic products, see 22201</p> <p>-maintenance, repair and alteration of motor vehicles, see 45201</p>
30				MANUFACTURE OF OTHER TRANSPORT EQUIPMENT
	301	3010	30101	<p>Building of ships and floating structures including building of pleasure and sporting boats</p> <p>This sub-class includes</p> <p>-building of commercial vessels e.g. passenger vessels, ferry boats, etc.</p> <p>-building of fishing boats and fish-processing factory vessels</p> <p>-construction of drilling platforms, floating or submersible</p> <p>-construction of floating structures e.g. floating docks, floating landing stages, buoys, barges, etc.</p> <p>-manufacture of sections for ships and floating structures</p> <p>-manufacture of inflatable boats and rafts</p> <p>-building of sailboats with or without auxiliary motor</p> <p>-building of motor boats</p> <p>-manufacture of personal watercraft</p>

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				<p>-manufacture of other pleasure and sporting boats e.g. canoes, kayaks, rowing boats, skiffs</p> <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -manufacture of ships' propellers, see 25901 -manufacture of iron or steel anchors, see 25901 -specialized repair and maintenance of ships and floating structures, see 33151 -ship-breaking, see 38301 -interior installation of boats, see 43301 -manufacture of parts of pleasure and sporting boats i.e. manufacture of sails, see 13901
31				MANUFACTURE OF FURNITURE
	310	3100	31001	<p>Manufacture of furniture</p> <p>This sub-class includes the manufacture of furniture of any kind, any material (except stone, concrete or ceramic) for any place and various purposes e.g.</p> <ul style="list-style-type: none"> -manufacture of sofas, sofa beds and sofa sets -manufacture of garden chairs and seats -manufacture of special furniture for shops: counters, display cases, shelves etc. -manufacture of furniture for churches, schools, restaurants -manufacture of office furniture -manufacture of kitchen furniture -manufacture of furniture for bedrooms, living rooms, gardens etc. -manufacture of cabinets for sewing machines, televisions etc. -manufacture of laboratory benches, stools and other laboratory seating, laboratory furniture (e.g. cabinets and tables) -finishing such as upholstery of chairs and seats -finishing of furniture such as spraying, painting, French polishing and upholstering -manufacture of mattress supports -manufacture of mattresses -decorative restaurant carts, such as dessert carts, food wagons <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -manufacture of pillows, cushions, quilts etc, see 13901 -manufacture of inflatable rubber mattresses, see 22199 -manufacture of furniture of ceramics, concrete and stone, see 23951, 23961

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				-manufacture of car seats, see 29301 -modular furniture attachment and installation, partition installation, laboratory equipment furniture installation, see 43301
32				OTHER MANUFACTURING
	321	3210	32101	<p>Manufacture of jewellery, and related articles</p> <p>This sub-class includes the manufacture of jewellery and related articles e.g.</p> <ul style="list-style-type: none"> -production of worked pearls -manufacture of jewellery of precious metal or of base metals clad with precious metals, or precious or semi-precious stones, or of combinations of precious metal and precious or semi-precious stones or of other materials <ul style="list-style-type: none"> -manufacture of goldsmiths' articles of precious metals or of base metals clad with precious metals e.g. for religious use etc. -manufacture of technical or laboratory articles of precious metal (except instruments and parts thereof): crucibles, spatulas, electroplating anodes etc. -manufacture of precious metal watch bands, wristbands, watch straps and cigarette cases -engraving of personal precious and non-precious metal products -manufacture of costume or imitation jewellery:
	329	3299	32999	<p>Other manufacturing not elsewhere specified</p> <p>This sub-class includes</p> <ul style="list-style-type: none"> -manufacture of musical instruments including manufacture of instrument parts and accessories and manufacture of whistles, call horns and other mouth-blown sound signalling instruments -manufacture of sports goods -manufacture of toys and games e.g. manufacture of dolls and doll garments, parts and accessories; manufacture of board games and similar games etc -other manufacturing nec <ul style="list-style-type: none"> -manufacture of protective safety equipment e.g. manufacture of fire-resistant and protective safety clothing etc -manufacture of brooms and brushes, including brushes constituting parts of machines, hand-operated mechanical floor sweepers, mops and feather dusters, paint brushes, paint pads and rollers, squeegees and other brushes, brooms,

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				<p>mops etc.</p> <ul style="list-style-type: none"> -manufacture of shoe and clothes brushes -manufacture of pens and pencils of all kinds whether or not mechanical -manufacture of pencil leads -manufacture of date, sealing or numbering stamps, hand-operated devices for printing, or embossing labels, hand printing sets, prepared typewriter ribbons and inked pads -manufacture of globes -manufacture of umbrellas, sun-umbrellas, walking sticks, seat-sticks -manufacture of buttons, press-fasteners, snap-fasteners, press-studs, slide fasteners -manufacture of cigarette lighters -manufacture of articles of personal use: smoking pipes, scent sprays, vacuum flasks and other vacuum vessels for personal or household use, wigs, false beards, eyebrows -manufacture of miscellaneous articles: candles, tapers and the like; bouquets, wreaths and floral baskets; artificial flowers, fruit and foliage; jokes and novelties; hand sieves and hand riddles; tailors' dummies; burial caskets etc.
33				REPAIR AND INSTALLATION OF MACHINERY AND EQUIPMENT
	331			<p>Repair of fabricated metal products, machinery and equipment</p> <p>This group includes the specialized repair of goods produced in the manufacturing sector with the aim to restore these metal products, machinery, equipment and other products to working order. The provision of general or routine maintenance (i.e. servicing) on such products to ensure they work efficiently and to prevent breakdown and unnecessary repairs is included.</p>
		3311	33111	<p>Repair of fabricated metal products</p> <p>This sub-class includes the repair and maintenance of fabricated metal products of division 25. It includes:</p> <ul style="list-style-type: none"> -repair of metal tanks, reservoirs and containers -repair and maintenance for pipes and pipelines -mobile welding repair -repair of steel shipping drums -repair and maintenance of steam or other vapour

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				generators -repair and maintenance of auxiliary plant for use with steam generators e.g. condensers, -repair and maintenance of parts for marine or power boilers -platework repair of central heating boilers and radiators -repair and maintenance of fire arms and ordnance (including repair of sporting and recreational guns)
		3312	33121	<p>Repair of machinery</p> <p>This sub-class includes the repair and maintenance of industrial machinery and equipment like sharpening or installing commercial and industrial machinery blades and saws; the provision of welding (e.g. automotive, general) repair services; the repair of agricultural and other heavy and industrial machinery and equipment (e.g. forklifts and other materials handling equipment, machine tools, commercial refrigeration equipment, construction equipment and mining machinery). It includes:</p> <ul style="list-style-type: none"> -repair and maintenance of non-automotive engines, e.g. ship or rail engines -repair and maintenance of pumps and related equipment -repair and maintenance of fluid power equipment -repair of valves -repair of gearing and driving elements -repair and maintenance of industrial process furnaces -repair and maintenance of materials handling equipment -repair and maintenance of commercial refrigeration equipment and air purifying equipment -repair and maintenance of commercial-type general-purpose machinery -repair of other power-driven hand-tools -repair and maintenance of metal cutting and metal forming machine tools and accessories -repair and maintenance of other machine tools -repair and maintenance of agricultural tractors -repair and maintenance of agricultural machinery and forestry and logging machinery -repair and maintenance of metallurgy machinery -repair and maintenance of mining, construction, and oil and gas field machinery -repair and maintenance of food, beverage, and tobacco processing machinery -repair and maintenance of textile apparel, and leather production machinery -repair and maintenance of papermaking machinery

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				<ul style="list-style-type: none"> -repair and maintenance of weighing equipment -repair and maintenance of vending machines -repair and maintenance of cash registers -repair and maintenance of photocopy machines -repair of calculators, electronic or not -repair of typewriters
		3313	33131	<p>Repair of electronic and optical equipment</p> <p>This sub-class</p> <ul style="list-style-type: none"> -repair and maintenance of the measuring, testing, navigating and control equipment of group 265, such as: <ul style="list-style-type: none"> -aircraft engine instruments -automotive emissions testing equipment -meteorological instruments -physical, electrical and chemical properties testing and inspection equipment -surveying instruments -radiation detection and monitoring instruments -repair and maintenance of irradiation, electromedical and electrotherapeutic equipment, such as: <ul style="list-style-type: none"> -magnetic resonance imaging equipment -medical ultrasound equipment -pacemakers -hearing aids -electrocardiographs -electromedical endoscopic equipment -irradiation apparatus -repair and maintenance of optical instruments and equipment, if the use is mainly commercial, such as: <ul style="list-style-type: none"> -binoculars -microscopes (except electron and proton microscopes) -telescopes -prisms and lenses (except ophthalmic) -photographic equipment
		3314	33141	<p>Repair of electrical equipment</p> <p>This sub-class includes</p> <ul style="list-style-type: none"> -repair and maintenance of power, distribution, and specialty transformers -repair and maintenance of electric motors, generators, and motor generator sets -repair and maintenance of switchgear and switchboard apparatus -repair and maintenance of relays and industrial controls -repair and maintenance of primary and storage batteries -repair and maintenance of electric lighting equipment

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				-repair and maintenance of current-carrying wiring devices and non current-carrying wiring devices for wiring electrical circuits
		3315	33151	<p>Repair of transport equipment, except motor vehicles</p> <p>This sub-class includes the repair and maintenance of transport equipment of division 30, except motorcycles and bicycles. However, the factory rebuilding or overhaul of ships, locomotives, railroad cars and aircraft is classified in division 30. It includes:</p> <ul style="list-style-type: none"> -repair and routine maintenance of ships -repair and maintenance of pleasure boats -repair and maintenance of locomotives and railroad cars (except factory rebuilding or factory conversion) -repair and maintenance of aircraft (except factory conversion, factory overhaul, factory rebuilding) -repair and maintenance of aircraft engines -repair of animal drawn buggies and wagons
		3319	33199	<p>Repair of other equipment</p> <p>This sub-class includes the repair and maintenance of equipment not covered in other groups of this division. It includes:</p> <ul style="list-style-type: none"> -repair of fishing nets, including mending -repair or ropes, riggings, canvas and tarps -repair of fertilizer and chemical storage bags -repair or reconditioning of wooden pallets, shipping drums or barrels, and similar items -repair of pinball machines and other coin-operated games -restoring of organs and other historical musical instruments

SECTION D: ELECTRICITY, GAS, STEAM AND AIR CONDITIONING

SUPPLY

This section includes the activity of providing electric power, natural gas, steam, hot water and the like through a permanent infrastructure (network) of lines, mains and pipes. The dimension of the network is not decisive; also included are the distribution of electricity, gas, steam, hot water and the like in industrial parks or residential buildings. This section therefore includes the operation of electric and gas utilities, which generate, control and distribute electric power or gas. Also included is the provision of steam and air-conditioning supply.

This section excludes the operation of water and sewerage utilities, see 36, 37. This section also excludes the (typically long-distance) transport of gas through pipelines.

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
35				ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY
	351	3510	35101	<p>Electric power generation, transmission and distribution</p> <p>This sub-class includes the generation of bulk electric power, transmission from generating facilities to distribution centers and distribution to end users:</p> <ul style="list-style-type: none"> -operation of generation facilities that produce electric energy, including thermal, hydroelectric, gas turbine, diesel and renewable -operation of transmission systems that convey the electricity from the generation facility to the distribution system -operation of distribution systems (i.e. consisting of lines, poles, meters, and wiring) that convey electric power received from the generation facility or the transmission system to the final consumer -sale of electricity to the user -activities of electric power brokers or agents that arrange the sale of electricity via power distribution systems operated by others -operation of electricity and transmission capacity exchanges for electric power <p>This sub- class excludes:</p> <ul style="list-style-type: none"> -production of electricity through incineration of waste, see 38201

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
	352	3520	35201	<p>Manufacture of gas; distribution of gaseous fuels through mains</p> <p>This sub-class includes the manufacture of gas and the distribution of natural or synthetic gas to the consumer through a system of mains. Gas marketers or brokers, which arrange the sale of natural gas over distribution systems operated by others, are included. The separate operation of gas pipelines, typically done over long distances, connecting producers with distributors of gas, or between urban centers, is excluded from this class and classified with other pipeline transport activities. It includes:</p> <ul style="list-style-type: none"> -production of gas for the purpose of gas supply by carbonation of coal, from by-products of agriculture or from waste -manufacture of gaseous fuels with a specified calorific value, by purification, blending and other processes from gases of various types including natural gas -transportation, distribution and supply of gaseous fuels of all kinds through a system of mains -sale of gas to the user through mains -activities of gas brokers or agents that arrange the sale of gas over gas distribution systems operated by others -commodity and transport capacity exchanges for gaseous fuels
	353	3530	35301	<p>Steam and air conditioning supply</p> <p>This class includes:</p> <ul style="list-style-type: none"> -production, collection and distribution of steam and hot water for heating, power and other purposes -production and distribution of cooled air -production and distribution of chilled water for cooling purposes -production of ice, including ice for food and non-food (e.g. cooling) purposes

SECTION E: WATER SUPPLY; SEWERAGE, WASTE

MANAGEMENT AND REMEDIATION ACTIVITIES

This section includes activities related to the management (including collection, treatment and disposal) of various forms of waste, such as solid or non-solid industrial or household waste, as well as contaminated sites. The output of the waste or sewage treatment process can either be disposed off or become an input into other production processes. Activities of water supply are also grouped in this section, since they are often carried out in connection with, or by units also engaged in, the treatment of sewage.

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
36				WATER COLLECTION, TREATMENT AND SUPPLY
	360	3600	36001	<p>Water collection, treatment and supply</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -collection of water from rivers, lakes, wells etc., as well as rain water -purification of water for water supply purposes -treatment of water for industrial and other purposes -desalting of sea or ground water to produce water as the principal product of interest -distribution of water through mains, by trucks or other means for domestic and industrial needs -operation of irrigation canals <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -operation of irrigation equipment e.g. sprinklers for agricultural purposes, see 01619 -treatment of wastewater in order to prevent pollution, see 37001
37				SEWERAGE
	370	3700	37001	<p>Sewerage</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -operation of sewer systems or sewer treatment facilities -collecting and transporting of human or industrial wastewater from one or several users, as well as rain water by means of sewerage networks, collectors, tanks and other

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				<p>means of transport (sewage vehicles etc.)</p> <p>-emptying and cleaning of cesspools and septic tanks, sinks and pits from sewage; servicing of chemical toilets</p> <p>-treatment of wastewater (including human and industrial wastewater, water from swimming pools etc.) by means of physical, chemical and biological processes like dilution, screening, filtering, sedimentation etc.</p> <p>-maintenance and cleaning of sewers and drains, including sewer rodding</p>
38				WASTE COLLECTION, TREATMENT AND DISPOSAL ACTIVITIES; MATERIALS RECOVERY
	381	3810	38101	<p>Collection of waste</p> <p>This sub-class includes collection of :</p> <p>-non-hazardous waste i.e. solid waste or garbage e.g. - recyclable materials, used cooking oils and fats, construction and demolition waste, debris such as brush and rubble, waste output of textile mills etc from within a local area such as public places, households and businesses by means of refuse bins, wheeled bins, containers etc.</p> <p>-hazardous waste i.e. the collection of solid and non-solid waste e.g. explosive, oxidizing, flammable, toxic, irritant, carcinogenic, corrosive, infectious and other substances and preparations harmful for human health and environment. It may also entail identification, treatment, packaging and labeling of waste for the purposes of transport.</p> <p>This sub-class excludes:</p> <p>-operation of landfills for the disposal of non-hazardous waste, see 38201</p> <p>-operation of facilities where commingled recoverable materials such as paper, plastics, etc. are sorted into distinct categories, see 38301</p> <p>-remediation and clean up of contaminated buildings, mine sites, soil, ground water, e.g. asbestos removal, see 39001</p>
	382	3820	38201	<p>Waste treatment and disposal</p> <p>This sub-group includes the disposal and</p>

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				<p>treatment prior to disposal of various forms of waste by different means, such as waste treatment of organic waste with the aim of disposal; treatment and disposal of toxic live or dead animals and other contaminated waste; treatment and disposal of transition radioactive waste from hospitals, etc.; dumping of refuse on land or in water; burial or ploughing-under of refuse; disposal of used goods such as refrigerators to eliminate harmful waste; disposal of waste by incineration or combustion with or without the resulting production of electricity.</p> <p>Included is also the generation of electricity resulting from waste incineration processes.</p> <p>This group excludes: -treatment and disposal of wastewater, see 37001</p>
	383	3830	38301	<p>Materials recovery</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -processing of metal and non-metal waste and scrap and other articles into secondary raw materials, usually involving a mechanical or chemical transformation process -recovery of materials from waste streams in the form of: <ul style="list-style-type: none"> ▪ separating and sorting recoverable materials from non-hazardous waste streams (i.e. garbage) ▪ separating and sorting of commingled recoverable materials, such as paper, plastics, used beverage cans and metals, into distinct categories <p>Examples of the mechanical or chemical transformation processes that are undertaken are:</p> <ul style="list-style-type: none"> -mechanical crushing of metal waste such as used cars, washing machines, bikes etc. with subsequent sorting and separation -dismantling of automobiles, computers, televisions and other equipment for materials recovery -mechanical reduction of large iron pieces -shredding of metal waste, end-of-life vehicles etc. -other methods of mechanical treatment as cutting, pressing to reduce the volume

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
				<ul style="list-style-type: none"> -ship-breaking -reclaiming metals out of photographic waste, e.g. fixer solution or photographic films and paper -reclaiming of rubber such as used tires to produce secondary raw material -sorting and pelleting of plastics to produce secondary raw material for tubes, flower pots, pallets and the like -processing (cleaning, melting, grinding) of plastic or rubber waste to granulates -crushing, cleaning and sorting of glass -crushing, cleaning and sorting of other waste such as demolition waste to obtain secondary raw material -processing of used cooking oils and fats into secondary raw materials -processing of other food, beverage and tobacco waste and residual substances into secondary raw materials <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -manufacture of new final products from (whether or not self-produced) secondary metal raw materials, such as spinning yarn from garnetted stock, making pulp from paper waste, retreading tyres or production of metal from metal scrap, see corresponding classes in section C (Manufacturing) -treatment and disposal of non-hazardous waste, see 38201 -treatment of organic waste for disposal, see 38201 -energy recovery from non-hazardous waste incineration processes, see 38201 -disposal of used goods such as refrigerators to eliminate harmful waste, see 38201 -treatment and disposal of transition radioactive waste from hospitals etc., see 38201 -treatment and disposal of toxic, contaminated waste, see 38201 -dismantling of automobiles, computers, televisions and other equipment to obtain and resell usable parts, see section G -wholesale of recoverable materials, see 46699

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
39				REMEDICATION ACTIVITIES AND OTHER WASTE MANAGEMENT SERVICES
	390	3900	39001	<p>Remediation activities and other waste management services</p> <p>This sub-class includes:</p> <ul style="list-style-type: none"> -decontamination of soils and groundwater at the place of pollution, either in situ or ex situ, using e.g. mechanical, chemical or biological methods -decontamination of industrial plants or sites, including nuclear plants and sites -decontamination and cleaning up of surface water following accidental pollution, e.g. through collection of pollutants or through application of chemicals -cleaning up of oil spills and other pollutions on land, in surface water, in ocean and seas, including coastal areas -asbestos, lead paint, and other toxic material abatement -clearing of landmines and the like (including detonation) -other specialized pollution-control activities <p>This sub-class excludes:</p> <ul style="list-style-type: none"> -treatment and disposal of non-hazardous waste, see 38201 -treatment and disposal of hazardous waste, see 38201 -outdoor sweeping and watering of streets etc., see 81201