

---

# **ECONOMIC SURVEYS**

---

# **MINING AND QUARRYING 2011**

**OCTOBER 2013**

**Published in October by the**

**Fiji Bureau of Statistics**

**P.O. Box 2221**

**Government Buildings**

**Suva**

**Republic of the Fiji**

## **Reproduction of Material**

Any table or material published in this Report maybe reproduced and published without the Fiji Bureau of Statistics' prior approval. However, the source of information should always be identified and acknowledged in all modes of presentation.

ISSN 1997-1907

Key title: Economic surveys. Mining and quarrying

Abbreviated key title: Econ. surv., Min. quarr.

© Fiji Bureau of Statistics

Printer: Print House Limited

Enquiries:

Fiji Bureau of Statistics  
Ratu Sukuna House  
MacArthur Street  
Suva,  
Fiji

P o Box 2221  
Government Building  
Suva  
Fiji

Telephone: [679] 331 5822  
Fax no.: [679] 3303 656  
E-mail: [info@statsfiji.gov.fj](mailto:info@statsfiji.gov.fj)  
Website: [www.statsfiji.gov.fj](http://www.statsfiji.gov.fj)

## **PREFACE**

The report contains 2011 information gathered from registered establishments engaged in the Mining and Quarrying Industry. It excludes information on mining and quarrying activities in the informal sector.

From a planning and policy formulation perspective, information on industry costs, operating surplus, employment etc are evidence to guide interventions aimed at growing the industry.

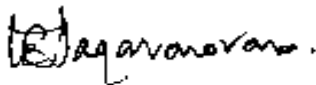
From an investment view point such information will highlight existing opportunities, areas needing improvement and areas where productivity challenges exist.

Information contained in this report will help build up a system of national accounts so that a meaningful picture of the whole economy can be constructed.

Data on Mining and Quarrying is needed for economic planning given the substantial capital investment associated with the industry.

Structural information is crucial for the Bureau's Business Register since this is the starting point of all the establishment surveys.

The co-operation of all those establishments that participated in the survey is acknowledged and I look forward to their continued support.



Epeli Waqavonovono  
**Government Statistician**

## **NOTES**

1 The interpretation of the symbols used in this report is as follows:

0 Nil or a figure less than half the given value

2 Total values are subject to rounding errors.

3 Key to Abbreviations:

BR	Business Register
CFC	Consumption of Fixed Capital
COE	Compensation of Employees
FBOS	Fiji Bureau of Statistics
FSIC	Fiji Standard Industrial Classification
GDP	Gross Domestic Product
GFCF	Gross Fixed Capital Formation
GO	Gross Output
IC	Intermediate Consumption
IPI	Industrial Production Index
OS	Operating Surplus
SAS	Statistical Analysis System
VA	Value Added

4 VA in the report refers to Gross Value Added

## CONTENTS

		<u>Page No</u>
<b>1</b>	<b>INTRODUCTION</b>	
1.1	History of Surveys Undertaken	1
1.2	Need for statistics relating to Mining and Quarrying	1
<b>2</b>	<b>METHODOLOGY</b>	
2.1	Legal Basis	1
2.2	Coverage and Scope	1
2.3	Statistical Unit	2
2.4	The Frame	2
2.5	Questionnaire Design	2
2.6	Data Collection and Survey Procedures	2
2.7	Data Processing	2
2.8	Reference Period	3
2.9	Non-responding Establishments	3
2.10	Rate-up Factors	3
<b>3</b>	<b>RESULTS</b>	
3.1	The Survey Response	4
3.2	Legal Status of Establishments	4
3.3	Ownership of Establishments	4
3.4	Size of Establishments	5
3.5	Number of Persons Engaged as at 30 June 2011	5
3.6	Macroeconomic Aggregates	6
3.7	Gross Fixed Capital Formation	6
3.8	Average Turnover per Establishment	6
3.9	Average Turnover per paid Employee	7
3.10	Average Compensation of Employees per Paid Employee	7
3.11	2011 Results Compared with 2010 Results	7

### STATISTICAL TABLES

#### Table No

1	The Survey Response	4
2	Legal Status of Establishments	4
3	Ownership of Establishments	4
4	Size of Establishments	5
5	Number of Persons Engaged	
	A    Number of Persons Engaged	5
	B    Number of Persons Engaged by Gender	5
6	Macroeconomic Aggregates	6
7	Gross Fixed Capital Formation	6
8	Average Turnover per Establishment	6
9	Average Turnover per paid Employee	7

Contents Continued....

Contents continued...

10	Average Compensation of Employees per Paid Employee	7
11	2011 Results Compared with 2010 Results	7

**LIST OF APPENDICES**

Appendix No

I	Concepts and Definitions	9
II	Industrial Classification Used	11
III	Composition of Macroeconomic Aggregates 2011	13
IV	Sample Questionnaire	16
V	Production of Gold and Silver	27
VI	Annual Mining and Quarrying Production Index	28
VII	Average World Market Price of Gold	29
VIII	Macroeconomic Aggregates 1985 – 2011	30
IX	Macroeconomic Aggregates Using FSIC 2004	31



# **1 INTRODUCTION**

## **1.1 History of Surveys undertaken**

This report contains the results of the survey carried out for the Mining and Quarrying industry for 2011. The first economic survey of the mining and quarrying sector was done in 1969 and was combined with the study of the manufacturing and electricity sectors. Since then, the survey has been carried out annually. The results of the survey from 1969 to 1994 were published in reports titled “Census of Industries”, from 1995 to 2001 in reports titled “Census of Mining and Quarrying, Manufacturing and Electricity and Water, but from 2002, the results of the mining and quarrying industry are being produced solely on its own in Reports titled Economic Surveys: Mining and Quarrying.

## **1.2 Need for statistics relating to Mining and Quarrying**

Mining and quarrying activities account for a substantial proportion of the total economic activity, whether in terms of the sector to the Gross Domestic Product (GDP) or in terms of its share of total employment and Gross Fixed Capital Formation (GFCF). Statistics on the mining and quarrying industry are therefore needed for the preparation of national accounts so that a meaningful study of the whole economy can be made. The data can also be used to construct the input-output table that shows the inter-connection of the mining and quarrying industry with other industries. Policy makers too require the data for formulating sound economic and social policies that augment capital formation. In addition, the establishments engaged in mining and quarrying industry find the data helpful in assessing the future direction of their business.

# **2 METHODOLOGY**

## **2.1 Legal Basis**

The survey was conducted under the provisions of the Statistics Act (Cap 71). This Act protects the confidentiality of the information submitted by the establishment and stipulates the completion of the questionnaire as well.

## **2.2 Coverage and Scope**

The 2011 survey covered, other than the Central Government<sup>1</sup>, all establishments operating in the mining and quarrying industry defined by the Fiji Standard Industrial Classification (FSIC) 2010 Section B. It is nevertheless possible that some small units not employing regular paid workers may have been omitted due to difficulties in identifying them, but the nature of such units do not affect the overall results in any significant way

---

<sup>1</sup> Mining, quarrying and exploration on own account activities undertaken by the Central Government themselves fall under the scope of the Survey carried out for General Government.

The businesses in the mining and quarrying industry are predominantly engaged in extraction of minerals occurring naturally and supplementary activities (refer Appendix II on Industrial Classification Used).

### **2.3 Statistical Unit**

The unit of reporting was the establishment (refer Appendix I on Concepts and Definitions).

### **2.4 The Frame**

The frame utilised to survey the establishments engaged in the mining and quarrying industry in 2011 was the list of establishments maintained by the FBOS. This list is known as the Business Register (BR), 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.

### **2.5 Questionnaire Design**

A common questionnaire was used for all types of activities related to mining and quarrying. It called for information on the particulars of the establishment eg type of organisation; income; expenditure; stocks; assets and employment ( refer Sample Questionnaire attached as Appendix IV).

### **2.6 Data Collection and Survey Procedures**

The questionnaires were posted on 01\06\2012 and replies were required within a month. Response by the due date was low; therefore personal visits to obtain the questionnaires were made to those establishments that did not respond and to those establishments that required assistance in filling out the questionnaires (refer Sample Questionnaire attached as Appendix IV).

Once the questionnaires were received in the office, scrutiny and editing of 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 files sorted by activity and passed on for data entry.

On completion of data entry, tables were run, data edited and analysed and reports written.

### **2.7 Data Processing**

Data was processed by FBOS' Information Technology Business Unit using Statistical Analysis System (SAS).

## 2.8 Reference Period

The establishments contacted were to submit details for the calendar year 2011. Where the accounting year differed from the calendar year, establishments were asked to provide information for the accounting year that covered the major part of the calendar year 2011.

## 2.9 Non-responding Establishments

Establishments that did not respond to the survey and establishments that operated during the whole or part of the survey reference period but became untraceable during the survey enumeration period due to closure or removal, were taken as non-respondents. To account for the operations of the non-responding establishments, data were rated-up.

## 2.10 Rate-up Factors

Data of non-responding establishments were calculated using rate-up factors. The rate-up factors were derived by first sorting out establishments into types or business and then grouping these establishments into 6 “number of persons engaged” size groups of 1-4; 5-9; 10-19; 20- 49; 50-99 and 100+. Using number of persons engaged in each of this group, simple arithmetic means of Value Added were obtained. These arithmetic means were then multiplied by number of persons engaged in each of the non-responding group to estimate their data. The estimated figures for the non-responding units were then added to the figures of the responding units to arrive at the estimated data of the entire mining and quarrying industry.

The GFCF too has been estimated for non-response. Generally capital formation in small establishments, like the ones who have not responded in our inquiry, are low.

Empirically,

Let  $n_{ij}$  be the number of employees in group  $i$  of the  $j$  establishment of those sampled and let  $g_{ij}$  be its corresponding parameter;  $i = 1$  to  $6$ ;  $j = 1$  to  $s$ , where  $s$  is all sample. Then estimate,

$$\hat{G}_{(i)} = \frac{\sum_{i=1}^6 \sum_{j=1}^k g_{ij}}{\sum_{i=1}^6 \sum_{j=1}^k n_{ij}} \left( \sum_{i=1}^6 \sum_{j=1}^k n_{ij} + \sum_{i=1}^6 \sum_{j=k+1}^s n_{ij} \right)$$

where  $k$  = number responded

$l$  = number not responded (which is  $s-k$ )

### 3 RESULTS

All data contained in this report are in Fiji Dollars and in current prices.

All tables in this report contain data inclusive of estimates for non-response; exceptions are tables 1 to 5B and 8 to 10 that contain as per survey data.

Results of sub-classes 07291 and 09901 have been grouped together in order to protect the confidentiality of the information supplied by them.

#### 3.1 The Survey Response

**Table 1: The Survey Response**

FSIC 2010		SURVEY FRAME	RETURNS RECEIVED	RESPONSE RATE %
SUB- CLASS	ACTIVITY			
07291	Mining of gold and silver			
09901	Support activities for other mining and quarrying	11	9	81
08101	Quarrying of stone, sand and clay	13	12	92
	<b>Total</b>	<b>24</b>	<b>21</b>	<b>87</b>

#### 3.2 Legal Status of Establishments

**Table 2: Legal Status of Establishments**

FSIC 2010		SOLE TRADER	PRIVATE LIMITED COMPANY	PUBLIC LIMITED COMPANY	TOTAL
SUB- CLASS	ACTIVITY				
07291	Mining of gold and silver				
09901	Support activities for other mining and quarrying	2	7	0	9
08101	Quarrying of stone, sand and clay	3	7	2	12
	<b>Total</b>	<b>5</b>	<b>14</b>	<b>2</b>	<b>21</b>

#### 3.3 Ownership of Establishments

**Table 3: Ownership of Establishments**

FSIC 2010		FIJI OWNED	BRANCH OF AN OVERSEAS COMPANY	SUBSIDIARY OF AN OVERSEAS COMPANY	TOTAL
SUB- CLASS	ACTIVITY				
07291	Mining of gold and silver				
09901	Support activities for other mining and quarrying	6	0	3	9
08101	Quarrying of stone, sand and clay	12	0	0	12
	<b>Total</b>	<b>18</b>	<b>0</b>	<b>3</b>	<b>21</b>

### 3.4 Size of Establishments

**Table 4: Size of Establishments**

FSIC 2010		NUMBER OF PERSONS ENGAGED						
SUB-CLASS	ACTIVITY	1-4	5-9	10-19	20-49	50-99	100+	TOTAL
07291	Mining of gold and silver							
09901	Support activities for other mining and quarrying	2	3	2	1	0	1	9
08101	Quarrying of stone, sand and clay	5	4	0	3	0	0	12
	<b>Total</b>	<b>7</b>	<b>7</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>21</b>

### 3.5 Number of Persons Engaged as at 30 June 2011

**Table 5 A: Number of Persons Engaged**

FSIC 2010		WORKING WITH PAY		WORKING WITHOUT PAY		TOTAL
SUB-CLASS	ACTIVITY	Local	Expatriate	Working proprietors	Unpaid family workers	
07291	Mining of gold and silver					
09901	Support activities for other mining and quarrying	1,184	25	0	0	1,209
08101	Quarrying of stone, sand and clay	255	0	0	0	255
	<b>Total</b>	<b>1,439</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>1,464</b>

**Table 5 B: Number of Persons Engaged by Gender**

FSIC 2010		GENDER		
SUB-CLASS	ACTIVITY	Male	Female	Total
07291	Mining of gold and silver			
09901	Support activities for other mining and quarrying	1,150	59	1,209
08101	Quarrying of stone, sand and clay	203	52	255
	<b>Total</b>	<b>1,353</b>	<b>111</b>	<b>1,464</b>

### 3.6 Macroeconomic Aggregates

**Table 6: Macroeconomic Aggregates (\$)**

FSIC 2010		GO	IC	VA	COE	CFC	OS
SUB-CLASS	ACTIVITY						
07291	Mining of gold and silver						
09901	Support activities for other mining and quarrying	154,540,081	90,214,116	64,325,965	38,297,887	12,014,090	14,013,988
08101	Quarrying of stone, sand and clay	28,615,495	15,677,448	12,938,047	3,910,104	440,200	8,587,743
	<b>Total</b>	<b>183,155,576</b>	<b>105,891,564</b>	<b>77,264,012</b>	<b>42,207,991</b>	<b>12,454,290</b>	<b>22,601,731</b>

### 3.7 Gross Fixed Capital Formation

**Table 7: Gross Fixed Capital Formation (\$)**

FSIC 2010 SUB-CLASS	BY TYPE OF CAPITAL FORMATION							GROSS FIXED CAPITAL FORMATION
	Land development and improvement	Buildings	Exploration	Plant and machinery	Furniture, fixtures and office equipment	Transport vehicle and related equipment	Others <sup>1</sup>	
07291								
09901	0	0	6,235,000	10,714,869	52,000	0	0	17,001,869
08101	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>6,235,000</b>	<b>10,714,869</b>	<b>52,000</b>	<b>0</b>	<b>0</b>	<b>17,001,869</b>

### 3.8 Average Turnover per Establishment

**Table 8: Average Turnover per Establishment**

FSIC 2010		NUMBER OF RESPONDING ESTABLISHMENTS	TURNOVER (as per survey) \$	AVERAGE TURNOVER PER ESTABLISHMENT \$
SUB-CLASS	ACTIVITY			
07291	Mining of gold and silver			
09901	Support activities for other mining and quarrying	9	149,017,015	16,557,446
08101	Quarrying of stone, sand and clay	12	26,180,532	2,181,711
	<b>Total</b>	<b>21</b>	<b>175,197,547</b>	<b>8,342,740</b>

<sup>1</sup> Includes other type of capital formation not already mentioned.

### 3.9 Average Turnover per Paid Employee

**Table 9: Average Turnover per Paid Employee**

FSIC 2010		TURNOVER (as per survey)	PAID EMPLOYEE (as per survey)	AVERAGE TURNOVER PER PAID EMPLOYEE
SUB- CLASS	ACTIVITY	\$	NUMBER	\$
07291	Mining of gold and silver			
09901	Support activities for other mining and quarrying	149,017,015	1,209	123,256
08101	Quarrying of stone, sand and clay	26,180,532	255	102,669
	<b>Total</b>	<b>175,197,547</b>	<b>1,464</b>	<b>119,670</b>

### 3.10 Average Compensation of Employees per Paid Employee

**Table 10: Average Compensation of Employees per Paid Employee**

FSIC 2010		COMPENSAT- ION OF EMPLOYEES (as per survey)	PAID EMPLOYEE (as per survey)	AVERAGE COMPENSATION PER PAID EMPLOYEE
SUB- CLASS	ACTIVITY	\$	NUMBER	\$
07291	Mining of gold and silver			
09901	Support activities for other mining and quarrying	37,951,620	1,209	31,391
08101	Quarrying of stone, sand and clay	3,584,262	255	14,056
	<b>Total</b>	<b>41,535,882</b>	<b>1,464</b>	<b>28,372</b>

### 3.11 2011 Results Compared with 2010 Results

**Table 11: 2011 Results Compared with 2010 Results**

MACRO AGGREGATES	2010		2011		Percentage change
	\$	Aggregates expressed as % of GO	\$	Aggregates expressed as % of GO	
<b>GO</b>	169,573,842		183,155,576		8.01
<b>IC</b>	106,412,160	62.75	105,891,564	57.82	-0.49
<b>VA</b>	63,161,682	37.25	77,264,012	42.18	22.33
<b>COE</b>	41,250,024	24.33	42,207,991	23.04	2.32
<b>CFC</b>	10,371,572	6.12	12,454,290	6.80	20.08
<b>OS</b>	11,540,086	6.81	22,601,731	12.34	95.85
<b>GFCF</b>	31,229,000		17,001,869		-45.56
<b>NUMBER OF PERSONS ENGAGED</b>	1,381		1,464		6.01

Notes to assist interpret Table 11:

As a result of an increase in the world price of gold (refer Appendix VII) the 2011 GO when compared with 2010 shows an increase of 8.01 per cent which led the VA to increase by 22.33 per cent.

The CFC when compared to 2010 shows an increase of 20.08 per cent and this is due to a company's high capital investment base employed in 2010 as a result of accelerated development programme, capital equipment, replacement programme and the rate of depreciation when compared to older capital development and equipment.

The OS registered a very significant increase.

*For supplementary information on the mining and quarrying sector reference can be made to Appendix I for the Concepts and Definitions; Appendix II for the Industrial Classification Used; Appendix III on the Composition of Macroeconomic Aggregates; Appendix IV on the Sample Questionnaire; Appendix V for Production of Gold and Silver; Appendix VI for the Annual Mining and Quarrying Production Index; Appendix VII for the Average World Market Price of Gold and Appendix VIII for the Macroeconomic Aggregates 1985 – 2011.*



## APPENDIX I

### CONCEPTS AND DEFINITIONS

All concepts and definitions used in this report 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.

<b><i>Compensation of Employees</i></b>	Includes payments, whether in cash or in kind, made by the employer during the inquiry period for the work done to all persons included in the count of employees. It includes all cash payments, commissions, bonuses, cost of living allowances and wages paid during periods of vacation and sick leave, contributions in respect of their employees' social security and pension and payments in kind.
<b><i>Consumption of Fixed Capital</i></b>	In theory this is the value of the current replacement cost of fixed assets used up during the accounting period as a result of normal wear and tear. The consumption of fixed capital shown in this report is derived from the information supplied by the firm. This is expected to conform largely to the requirements of Income Tax Act and no adjustment is attempted to bring this into conformity with the national accounts definition.
<b><i>Employment Size Group</i></b>	This includes paid employment as well as people engaged.
<b><i>Establishment</i></b>	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.
<b><i>Fixed Assets</i></b>	Fixed assets include the value of all physical assets expected to have a productive life of more than one year and intended for use by the establishment. Included are major additions, alterations and improvements to existing fixed assets that extend their normal economic life or raise their productivity.
<b><i>Foreign Owned</i></b>	Subsidiary of an overseas company is always considered foreign owned, whereas a branch of an overseas company is only considered foreign owned if 51 per cent or more of its equity is held abroad.
<b><i>Gross Fixed Capital Formation</i></b>	This is the outlay of the mining and quarrying industry on new and second-hand durable goods less their sales plus their own account capital construction work done on similar goods.
<b><i>Gross Output</i></b>	This is the gross value of all goods and services produced during the accounting period. Included here are net interests received, the value of capital construction for own account and other income.
<b><i>Intermediate Consumption</i></b>	Intermediate consumption consists of non-durable goods and services which have a lifetime of use of less than one year. Compensation of employees do not form part of intermediate consumption, but

expenditure such as travelling expenses of management personnel are included. Intermediate consumption differs from total purchases of raw materials, fuels etc. by the amount of stock changes of such goods. Valuation of intermediate consumption is at purchasers' value i.e. it is inclusive of all costs incurred by producers in the acquisition of the required goods and services.

<b><i>Local Owned</i></b>	All companies with 51 per cent or more of its equity held in Fiji are considered locally owned.
<b><i>Number of Employees</i></b>	This includes all persons who work in the establishment and receive regular pay and persons working away from the establishment when paid by and under the control of the establishment. Also included are salaried managers, and directors of incorporated businesses except when paid solely for their attendance at board of directors meetings.
<b><i>Operating Surplus</i></b>	This is the excess of value added by producers over compensation of employees, consumption of fixed capital and net indirect taxes.
<b><i>Payments in kind</i></b>	This is defined as the net cost to the employer of those goods and services furnished to employees free of charge or at markedly reduced cost that are clearly and primarily of benefit to the employees as consumers. The item includes food, beverages, clothing (except uniforms for civilians as these are not worn off-duty) and lodging etc.
<b><i>Statistical Unit</i></b>	Statistical unit is the Unit for which information is collected.
<b><i>Unpaid Family Workers</i></b>	Unpaid family workers are persons living in the household of any of the proprietors of the owning establishment and working in the establishment without regular pay for at least one third of the working time normal to the establishment.
<b><i>Value Added</i></b>	Value added is the difference between the gross output and the intermediate consumption. It provides a useful way of measuring without duplicating the economic importance of an industry or industrial sector.
<b><i>Working Proprietors</i></b>	Working proprietors are owners of establishments who are actively engaged in the work of the establishment. Excluded are silent or inactive partners.

## APPENDIX II

### INDUSTRIAL CLASSIFICATION USED

SECTION B: MINING AND QUARRYING from the Fiji Standard Industrial Classification 2010, commonly known as the FSIC 2010 has been used. FSIC 2010 is based on the International Standard Industrial Classification Rev 4.

MINING AND QUARRYING 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.

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
<b>07</b>				<b>MINING OF METAL ORE</b>
	<b>072</b>			<b>Mining of non-ferrous metal ores</b>
		<b>0729</b>		<b>Mining of other non-ferrous metal ores</b>
			<b>07291</b>	<b>Mining of gold and silver</b>  This sub-class includes mining and preparation of gold and silver ores valued chiefly for the gold and silver content
			<b>07292</b>	<b>Mining of copper</b>  This sub-class includes mining and preparation of copper ores valued chiefly for the copper content
<b>08</b>				<b>OTHER MINING AND QUARRYING</b>
	<b>081</b>	<b>0810</b>	<b>08101</b>	<b>Quarrying of stone, sand and clay</b>  This sub-class includes: -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

<b>DIVISION</b>	<b>GROUP</b>	<b>CLASS</b>	<b>SUB-CLASS</b>	<b>DESCRIPTION</b>
				-breaking and crushing of stone and gravel -quarrying of sand -mining of clays, refractory clays etc  This sub- class excludes: -production of calcined dolomite, see 23942
	<b>089</b>	<b>0899</b>	<b>08999</b>	<b>Mining and quarrying nec</b>  This sub-class includes all other mining and quarrying e.g. salt etc not elsewhere classified
<b>09</b>				<b>MINING SUPPORT SERVICE ACTIVITIES</b>
	<b>099</b>	<b>0990</b>	<b>09901</b>	<b>Support activities for other mining and quarrying</b>  This sub-class includes support services on a fee or contract basis, required for mining activities of divisions 07 and 08: -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  This sub-class excludes: -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

## APPENDIX III

## COMPOSITION OF MACROECONOMIC AGGREGATES 2011

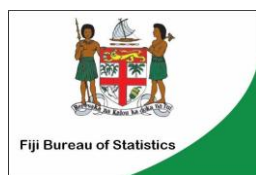
	SUB-CLASS		GRAND TOTAL
	072	081	
	07291/09901	08101	
<b>INCOME<sup>3</sup></b>			
<b>Primary Activity</b>	<b>154,539,581</b>	<b>28,614,695</b>	<b>183,154,276</b>
Sales	151,660,621	28,560,580	180,221,201
Work in Progress	2,878,960	16,815	2,895,775
Closing stock	8,518,350	400,560	8,918,910
Less opening stock	5,639,390	383,745	6,023,135
Finished goods produced by the establishments	0	37,300	37,300
Closing stock	0	600,300	600,300
Less opening stock	0	563,000	563,000
<b>Secondary Activity</b>	<b>500</b>	<b>800</b>	<b>1,300</b>
Value of electricity sold	0	0	0
Rent received for hire of building, plant & machinery	0	0	0
Receipts from transport and related services	0	0	0
Gold hedging	0	0	0
Others	500	800	1,300
<b>Gross Output</b>	<b>154,540,081</b>	<b>28,615,495</b>	<b>183,155,576</b>
<b>Miscellaneous Income</b>	<b>3,928,000</b>	<b>800</b>	<b>3,928,800</b>
Casualty insurance	0	0	0
Profit or loss received from any other business	0	0	0
Property income received	44,000	800	44,800
Rent received from land	0	800	800
Interest received	44,000	0	44,000
Dividends received	0	0	0
Royalty received	0	0	0
Bad & doubtful debts recovered	0	0	0
Exchange gain	0	0	0
Gain on sales of fixed assets	32,000	0	32,000
VAT charged on goods and services provided	3,852,000	0	3,852,000
<b>TOTAL INCOME</b>	<b>158,468,081</b>	<b>28,616,295</b>	<b>187,084,376</b>

<sup>3</sup> The price gold fetches is based on the world market price, but the grade of the ore mined has an impact on the price as well. The reader is therefore advised to view cautiously Appendices III, IV, V and VI.

	SUB-CLASS		GRAND TOTAL
	072	081	
	07291/09901	08101	
<b>EXPENDITURE</b>			
Expenditure on raw materials	63,386,692	13,652,320	74,039,012
Materials, fuel & supplies	-3,929,614	119,920	-3,809,694
Opening stock	3,448,636	440,520	3,889,156
Less closing stock	7,378,250	320,600	7,698,850
Expenditure incurred on fuel, electricity & water	23,130,632	3,569	23,134,201
Repairs & maintenance on motor vehicles, buildings and plant and machinery	365,523	900,400	1,265,923
Exploration cost incurred	6,235,000	0	6,235,000
Cartage & haulage paid to other firms	1,337,000	102,300	1,439,300
Travel expenses	962,000	46,520	1,008,520
Audit, accounting & legal fee	102,000	85,642	187,642
Advertising & promotion	3,500	25,305	28,805
Bank charges	85,421	87,000	172,421
Postage and telecommunications	277,586	140,600	418,186
Office stationary & supplies	102,896	6,532	109,428
Rent paid for furniture, building, plant & equipment	102,300	289,600	391,900
Management & consultation fees	1,011,000	42,600	1,053,600
Business insurance	35,600	56,240	91,840
Other expenditure	6,580	118,900	125,480
<b>Intermediate Input</b>	<b>90,214,116</b>	<b>15,677,448</b>	<b>105,891,564</b>
<b>Miscellaneous Expenditure</b>	<b>3,139,000</b>	<b>244,156</b>	<b>3,383,156</b>
Casualty insurance	0	0	0
Property income paid	134,000	170,260	304,260
Rent paid for land	0	0	0
Interest paid	134,000	170,260	304,260
Dividend paid	0	0	0
Royalty paid	0	0	0
Bad & doubtful debts written off	0	0	0
Business licenses, rates on property paid to central or local government	0	58,296	58,296
TPAF levy	0	15,600	15,600
Exchange losses	353,000	0	353,000
Loss on sale of fixed assets	0	0	0
VAT paid on supplies of goods and services	2,652,000	0	2,652,000
<b>Compensation of Employees</b>	<b>38,297,887</b>	<b>3,910,104</b>	<b>42,207,991</b>

	SUB-CLASS		
	072	081	
	07291/09901	08101	
Wages & Salaries	35,234,056	3,597,296	38,831,352
FNPF	3,063,831	312,808	3,376,639
Payments in kind	0	0	0
<i>Consumption of Fixed Capital</i>	<i>12,014,090</i>	<i>440,200</i>	<i>12,454,290</i>
<b>TOTAL EXPENDITURE</b>	<b>143,665,093</b>	<b>20,271,908</b>	<b>163,937,001</b>

## APPENDIX IV      SAMPLE QUESTIONNAIRE



*Ratu Sukuna House, MacArthur Street, Victoria Parade, Suva*

*P O Box 2221  
Government Buildings  
Suva  
FIJI*

*Telephone: [679] 331 5822  
Fax No. [679] 330 3656  
E-mail: [info@statsfiji.gov.fj](mailto:info@statsfiji.gov.fj)  
Website: [www.statsfiji.gov.fj](http://www.statsfiji.gov.fj)*

CONFIDENTIAL

DESPATCHED: 01\06\12

### 2011 CENSUS OF MINING AND QUARRYING

Please correct any errors  
appearing on this label.

Dear Sir\Madam,

Enclosed are two copies of the 2011 Census of the Mining and Quarrying questionnaire.

**COVERAGE AND SCOPE:** It covers all establishments engaged in the Mining and Quarrying sector classified under the Fiji Standard Industrial Classification 2010's Section B (refer note on page 2). If an establishment's Mining and Quarrying activities are combined with other types of businesses, you should report on the Mining and Quarrying side of the operations only.

**PURPOSE:** The census provides an important means of assessing the contribution this sector makes to the economy of Fiji. The results of the Census are used by the Fiji Islands Bureau of Statistics in the estimation of the National Income of Fiji and in the provision of other key indicators.

**REFERENCE PERIOD:** Reference period is the calendar year 2011. If your accounting year is different provide information approximating closest to the calendar year 2011. Limited liability companies are requested to submit a copy of their financial statements with the questionnaire.

**COMPULSORY REQUIREMENT:** The Census is conducted under the provisions of the Statistics Act 1961(Cap 71). In accordance with Section 8 subsection 2 of this Act you are required to fill in one copy of the questionnaire and return it to the undersigned on or before 02\07\12. Failure to meet this deadline could result in legal action without further notice.

**CONFIDENTIALITY OF INFORMATION:** Information supplied will be used by the department for the preparation of statistics. Any release of information will be in accordance with the Statistics Act and only persons authorised will have access to individual information.

**CONTACT PERSON FOR HELP AND ADVICE:** Ms Salome Madraniceva on extension 132 or email [smadraniceva@statsfiji.gov.fj](mailto:smadraniceva@statsfiji.gov.fj)

Epeli Waqavonovono  
Government Statistician



**NOTE:** Under the Fiji Standard Industrial Classification 2010 Section B, Mining and Quarrying includes all units mainly engaged in mining, quarrying and exploration on own account. The term is used in the broad sense to include extraction of minerals occurring naturally as solids such as ores.

---

### **ORGANISATIONAL STRUCTURE**

---

- 1 A business can have more than one establishment involved in similar or different activities at different locations. State the location, the type of activity engaged in and the Gross Turnover of each establishment during the year.

---

### **FORM OF OWNERSHIP**

---

- 4 (1) **Fiji owned:**  
This is an establishment operating in Fiji in which 51% or more equity is held locally.
- (2) **Branch of an overseas company:**  
This is an establishment operating in Fiji which is controlled by or supervised by an overseas head office and which is an integral part of the foreign parent organisation. Branch has no equity share capital.
- (3) **Subsidiary of an overseas company:**  
A company is a subsidiary of another if that other company owns this subsidiary wholly or holds more than half the nominal value of the equity share capital of this subsidiary company.

---

### **EQUITY PARTICIPATION**

---

- 5 Give the proportion of the share capital held by residents of Fiji. Equity share capital held by companies or individuals on behalf of residents of Fiji should also be included.

---

### **NATURE OF WORK**

---

- 6 In cases where establishments are involved in more than one activity at a single location, please state the major activity involved in.

---

### **OPERATING STATUS**

---

- 7 If you are no longer in business, a **STATUTORY DECLARATION** must be attached to one copy of the questionnaire with the words "**CLOSED BUSINESS**" written across the questionnaire and returned to the Fiji Islands Bureau of Statistics. The Statutory Declaration must be signed by a Magistrate or a Barrister\Solicitor, Justice of Peace or a member of the Notary Public acting on your behalf. The Statutory Declaration must state the name of the business, nature of its activity and the date on which it ceased operation. If your business operated for part of the year 2011 please provide information for the duration your business operated.

All relevant questions must be answered with clear and correct figures. Estimates will be accepted where actual data are not available. Values, **excluding VAT**, are to be expressed in Fiji Dollars.

### ORGANISATIONAL STRUCTURE

<b>1</b>	Does this business operate at more than one location?			
	Please tick the appropriate box: No     Yes     If yes, please give details below:			
	NAME OF ESTABLISHMENT\BRANCH (1)	PHYSICAL LOCATION OF BUSINESS (2)	MAIN TYPE OF BUSINESS OR ACTIVITY (3)	GROSS TURNOVER (4)
	<b>Note:</b> This return is required for the addressed establishment only. In case this is not possible, a combined return with similar main activities may be submitted. If the information can not be provided on this basis, please state the reasons:			
	<b>Remark:</b> Please comment here to assist in the interpretation of data supplied:			

### ACCOUNTING PERIOD

<b>2</b>	Please state the accounting period: From \ \2011 To \ \2011
----------	---

### LEGAL STATUS OF ORGANISATION

		Please tick appropriate box			
<b>3</b>		Individual ownership	1	Partnership	2
	001	Co-operative	3	Private Limited Company	4
		Public Limited Company	5	Public or Statutory Body	6
		Non-Profit Organisation	7	Others (specify)	8

### FORM OF OWNERSHIP

<b>4</b>		Please tick appropriate box			
	002	Fiji owned	1	Branch of an overseas company	2
		Subsidiary of an overseas company	3	Others (specify)	4

### EQUITY PARTICIPATION

<b>5</b>	Please indicate in the appropriate box equity capital held by Fiji Citizens.			
	(a) As at end of 2010	%	(b) As at end of 2011	%

### NATURE OF WORK

<b>6</b>	Please give a brief description of the main activity of the establishment\s covered by this return:			
	003   FOR OFFICIAL USE ONLY			

### OPERATING STATUS

<b>7</b>	Please state whether the establishment in question (tick appropriate box)			
	Operated during the whole of the accounting period specified			1
	Operated during part of the accounting period specified (specify mths)			2
	Had not commenced business during the accounting period specified			3

---

**SALES AND OTHER INCOME DERIVED DURING THE ACCOUNTING YEAR**


---

8 This refers to the sale of goods produced by the establishment. The value should be the actual selling value, net of any discount or rebate allowed to the buyer.

Include: (i) Sales of waste products, residues etc.  
(ii) Excise dues should be included as part of the value of sales in the local market.

**Exclude VAT charged on goods and services provided.**

Do not include: Goods bought for resale in the same condition as purchased.

Local market sales: Exclude sales to local exporters for exports which should be shown as exports.

Export: Include direct export sales to overseas importers and sales to local exporters for export.

Please supply both the quantity and value of the goods produced by the establishment.

---

**OTHER INCOME**


---

10 a] Include all claims arising from business insurance. Examples of business insurance are insurance against the risk of buildings, properties and stocks. Exclude life, education or any other personal insurance.

10 b] Include all claims received arising from casualty insurance. Examples of casualty insurance are insurance against the risk of accidents and illness etc to employees. Claims for life, education or any other form of personal insurance are to be excluded.

12 Include rent received for building, plant and machinery, furniture and fixtures, transport vehicles and related equipment. Exclude rent received for land which should be included in question 13a].

17 This is the resale value of goods bought, the goods being in the same condition as received and having undergone no intervening manufacturing process by your establishment.

18 State the total sales, if any, of electricity produced by your establishment.

**SALES AND OTHER INCOME DERIVED DURING THE ACCOUNTING YEAR**

8	Please state the sales value of goods produced by your establishment.						
	DESCRIPTION OF PRODUCT	LOCAL MARKET		EXPORT		TOTAL SALES	
		SALES	SALES	QUANTITY AND UNITS	VALUE (\$)	QUANTITY AND UNITS (3)	VALUE (\$)
		(1)	(2)	(3)	(4)	(5)	
		004					
		009					
		014					
		019					
		024					
	Total sales	029					

**OTHER INCOME**

			VALUE (\$)
9	Subsidies and grants received	032	
10	Insurance claims received: a) Business insurance claims received	033	
	b) Casualty insurance claims received	034	
11	Profit or loss received from any other business in which you have an interest	035	
12	Rent received for the hire of building, plant and machinery, furniture and fixtures, transport vehicles and related equipment	036	
13	Income from: a) Rent received from land	037	
	b) Interest received	038	
	c) Dividends received	039	
	d) Royalty received	040	
14	Bad and doubtful debts recovered	041	
15	Exchange gain	042	
16	Gain on sale of fixed assets	043	
17	Sales of goods not manufactured by your own establishment (see question 49)	044	
18	Value of electricity sold	045	
19	Receipts from industrial services rendered to others:		
	a) Plant and equipment hire	046	
	b) Repairs and maintenance to: i) Plant, machinery and equipment	047	
	ii) Others	048	
	c) Transport and related services	049	
20	Gold Hedging	050	
21	Others (specify).	051	
	_____		
	_____		
	_____		
	_____		
	_____		
	_____		
	Total other income (Codes 032 - 051)	052	
22	VAT charged on goods and services provided	053	
23	<b>GRAND TOTAL OF ALL INCOME RECEIVED (Codes 031 + 052 + 053 )</b>	054	\$

---

**PURCHASES OF MATERIALS AND OPERATING EXPENDITURE**


---

24 State in detail the total value and quantity of all purchases of material and supplies during the year for use in the production process. In arriving at the value, deduct trade discounts received. The cost of transport should also be excluded unless it is accounted as part of the purchase price. Direct import by establishments should be reported at cost. Exclude any transport cost paid to outside firms which should be included in question 34.

- Include all purchases of :
- a] Basic materials, components, semi-manufactured goods and so on that are physically incorporated in the products of the establishment.
  - b] Auxiliary materials such as lubricants, packaging materials, small tools, parts, materials for repair and maintenance.
  - c] Materials for producing machinery or other capital items for own use.
  - d] Materials bought for carrying "own construction" work reported in question 64.
- Exclude all purchases of: Machinery and plant and other capital equipment purchased by you which should be include question 64.

**Exclude VAT paid on supplies of goods and services.**

---

**FUEL, ELECTRICITY AND WATER**


---

25-28 Expenditure on fuel represents the total value of fuel purchased by your establishment for use in the production of heat, power or electricity including gasoline and other fuels for vehicles. Exclude those that enter directly into the production process as they should be reported as raw materials.

29-30 State the total value of electricity and water purchased by your establishment for the production process.

---

**OTHER EXPENDITURE**


---

32 Repairs and maintenance costs paid to other firms covers the total costs of current repair and maintenance service provided by such firms on repairs done on vehicles, building, machinery and equipment of the establishment. Current repair and maintenance carried out by other establishments or by ancillary repair and maintenance unit which has been treated as an independent establishment should be included.

34 Cartage and haulage expense includes payment for the transportation of goods and materials within the country. It excludes cost of transport carried out by your own equipment and employees.

36 Contract and commission work done by other establishments on your materials covers payments made by the establishment for contract and commission work done on materials controlled by your establishment.

- 43 a] Include payment in respect of leased/rented land. If it is not possible to separate payments made for land from building, please include expenditure in question
- b] Include interest on long-term debts and interest on all borrowing.

**PURCHASES OF MATERIALS AND OPERATING EXPENDITURE**

Please state the value of all materials and supplies purchased during the year for use in the production process										
					VALUE (\$)					
					IMPORTED		LOCALLY PRODUCED			TOTAL
					PURCHASED		PURCHASED			
	DESCRIPTION OF MATERIALS AND SUPPLIES		UNIT of Qty (1)	QTY (2)	FROM ABROAD (3)	LOCALLY (4)	FROM MANUF (5)	FROM OTHERS (6)	TOTAL (7)	
24		055								
		062								
		069								
		076								
		083								
	Total	090								

**FUEL, ELECTRICITY AND WATER**

Please state the expenditure incurred on fuel, electricity and water			VALUE (\$)
25	Petrol/Automotive diesel fuel	095	
25	Industrial diesel fuel/Heavy fuel oil	096	
27	Kerosene	097	
28	Liquid petroleum gas	098	
29	Electricity	099	
30	Water	100	
	Total (Codes 095 to 100)	101	

**OTHER EXPENDITURE**

			VALUE (\$)
31	Donations made	102	
32	Repairs and maintenance costs on: a) Motor vehicles	103	
	b) Building	104	
	c) Machinery and equipment	105	
33	Value of exploration costs incurred	106	
34	Cartage and haulage expenses paid to other firms	107	
35	Travel expenses (eg management, personal etc)	108	
36	Value of contract and commission work done	109	
37	Audit, accounting and legal fee	110	
38	Advertising and promotion etc	111	
39	Bank charges	112	
40	Postage, telephone and telecommunication etc	113	
41	Office stationery and supplies	114	
42	Rent paid for furniture, building, plant and machinery etc	115	
43	Expenditure on: a) Rent paid for land	116	
	b) Interest paid	117	
	c) Dividends paid	118	
	d) Royalty paid	119	
44	Management and consultation fee	120	
45	Bad and doubtful debts written off	121	
46	Business licenses, rates on property paid to central or local government etc	122	
47	Insurance paid: a) Business insurance	123	
	b) Casualty insurance	124	
48	Training and Productivity Authority of Fiji [TPAF] Levy	125	
49	Exchange losses	126	
50	Fixed asset expenses: a) Loss on sale of fixed assets	127	
	b) Depreciation claimed (to agree with question 64(7))	128	
51	Cost of goods purchased for resale (see question 17)	129	
52	All other costs and expenses	130	
	Total other expenditure (Codes 102 to 130 excluding 118)	131	

---

**EMPLOYMENT AND COMPENSATION OF EMPLOYEES**


---

- 53 Please note that the information in respect of employment is for the last payweek in June 2011 but the rest of the question requires data for the appropriate accounting year.

Gross wages and salaries includes overtime, sick and holiday pay, bonuses, payments under piece rate schemes, all allowances, severance and redundancy pay, sales commissions paid to own employees and directors fee etc.

Payment in kind is the cost to the employer for providing employees with housing, transport, clothing, food, drinks, fuels, etc free of charge or at a reduced rate.

Operatives includes all employees directly engaged in the activity of the establishment, eg those in fabrication, processing, assembling, shop messengers, warehouse men, packers and repair men etc. Casual workers should also be included here.

Others includes administrators, technical\clerical personnel, eg managers, clerks etc.

Expatriates are non-Fiji citizens who stayed in Fiji.

Working proprietors include all individual proprietors and partners who are actively engaged in the work of the establishment. Silent or inactive partners should be excluded unless they participate actively in the work of the establishment.

Unpaid family workers include persons living in the household of any of the proprietors of the owning establishment and working in the establishment without regular pay for at least a third of the normal working hours of the establishment.

---

**STOCKS**


---

- 57 Work-in-progress consists of unfinished output at the end of the reference year.
- 58 Finished goods bought for resale are stocks of goods bought for resale in the same condition as purchased.
- 57 The value of materials, fuel supplies and components are stocks of raw materials not used up in the production process.

---

**NET EARNINGS AND TAXES PAID**


---

- 59 This is the net profit of your establishment\enterprise from the profit and loss account. The following method would enable you to check if all the information from the trading, profit and loss account have been entered onto the questionnaire:

	Income [ Code 054 + 163 (3)]	\$
less	Expenditure [ Code 150]	\$
equals	Profit (+)\Loss (-) [Code 166]	\$

**EMPLOYMENT AND COMPENSATION OF EMPLOYEES**

53		NUMBER EMPLOYED	GROSS WAGES AND SALARIES PAID	EMPLOYER'S CONTRIBUTION TO FNPFC ETC	PAYMENT IN KIND
		(1)	(2)	(3)	(4)
a)	Fiji citizens	132			
b)	Expatriates	136			
	<b>Total</b>	140			
c)	Working without pay				
	i) Working proprietors	144			
	ii) Unpaid family workers	145			
	<b>Total (Codes 140 (1) + 144 + 145)</b>	146			
d)	From the total number in employment given in code 146, please state:				
	Total Males	147	Total Females	148	

54	VAT paid on supplies of goods and services	149	
----	--	-----	--

<b>55</b>	<b>GRAND TOTAL OF ALL EXPENDITURE INCURRED [Codes 090(7)+101+131+140 (2, 3, 4)] + 149</b>	<b>150</b>	<b>\$</b>
-----------	---	------------	-----------

**STOCKS**

			VALUE OF STOCKS (\$)		
			OPENING	CLOSING	CHANGE
			(1)	(2)	(2)-(1)=(3)
56	Finished goods produced by the establishment and intended for sale	151			
57	Work-in-progress	154			
58	Finished goods bought for resale	157			
59	Materials, fuels, supplies and components	160			
	<b>Total</b>	163			

**NET EARNINGS AND TAXES PAID**

			Amount (\$)
60	Net profit/loss of your establishment/enterprise. If this does not agree with question 61, please give reasons _____	166	
61	Taxable income of your establishment/enterprise	167	
62	Amount, if any, of previous year losses that was deducted before arriving at the taxable income	168	
63	Amount of Fiji Income Tax paid/payable by your establishment/enterprise.	169	



---

**FIXED CAPITAL ASSETS**

---

64 Please ensure that:

The value given for depreciation should agree with the value given in question 50 [b].

64 (5) This is the cost of new fixed assets and additions to the existing fixed assets made by the establishments own labour for its own use. Cost should be equivalent to labour costs plus value of materials at cost.

64 (H) Valuables include:

- (a) Precious stones and metals (e.g. diamonds, non monetary gold, Platinum and silver);
- (b) Antiques and other art objects (e.g. painting and sculptures); and
- (c) Other valuables (e.g. jewellery and collector items)

**FIXED CAPITAL ASSETS**

64		VALUE (\$)								
			Opening book value	Purchase of new and second hand assets at cost		Land development & improvement	Own Account const.	Sales of capital assets	Depreciation	Closing book value
				locally	from abroad					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)			
A]	Land	173								
B]	Buildings	181								
C]	Plant and machinery	189								
D]	Furniture, fixtures and office equipment	197								
E]	Transport vehicles and related equipment	205								
F]	Computer Software	213								
G]	Entertainment, literary or artistic originals	221								
H]	Valuables	229								
I]	Others (specify): _____ _____ _____ _____	237								
	<b>Total</b>	<b>245</b>								

Signature of person completing the questionnaire: \_\_\_\_\_ Date \_\_\_\_\_

Name \_\_\_\_\_

Position \_\_\_\_\_

Telephone No \_\_\_\_\_ Fax No \_\_\_\_\_

E-mail \_\_\_\_\_

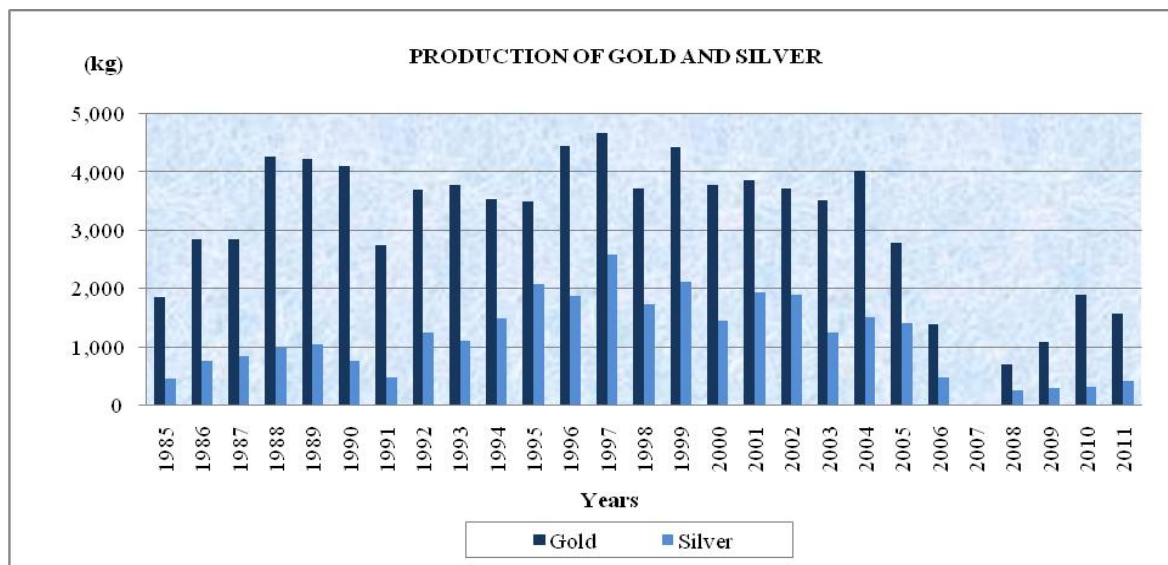
If Chartered Account in private practice, please place a tick in the box

**THANK YOU FOR COMPLETING THE QUESTIONNAIRE**

## APPENDIX V

**PRODUCTION<sup>1</sup> OF GOLD AND SILVER**

Period	Gold [Kg]	Silver [Kg]	Period	Gold [Kg]	Silver [Kg]	Period	Gold [Kg]	Silver [Kg]
1970	3,235	na	1971	2,582	na	1972	2,364	na
1973	2,488	na	1974	2,146	na	1975	2,138	na
1976	2,046	na	1977	1,535	na	1978	873	na
1979	923	na	1980	774	208	1981	959	261
1982	1,423	576	1983	1,248	405	1984	1,509	473
1985	1,865	459	1986	2,856	774	1987	2,864	841
1988	4,272	988	1989	4,221	1,055	1990	4,116	779
1991	2,743	477	1992	3,701	1,258	1993	3,784	1,112
1994	3,535	1,498	1995	3,496	2,083	1996	4,452	1,882
1997	4,671	2,594	1998	3,722	1,745	1999	4,429	2,125
2000	3,794	1,462	2001	3,865	1,934	2002	3,726	1,903
2003	3,517	1,247	2004	4,033	1,523	2005	2,793	1,418
2006	1,403	494	2007	29	0	2008	700	265
2009	1,091	313	2010	1,903	328	2011	1570	418

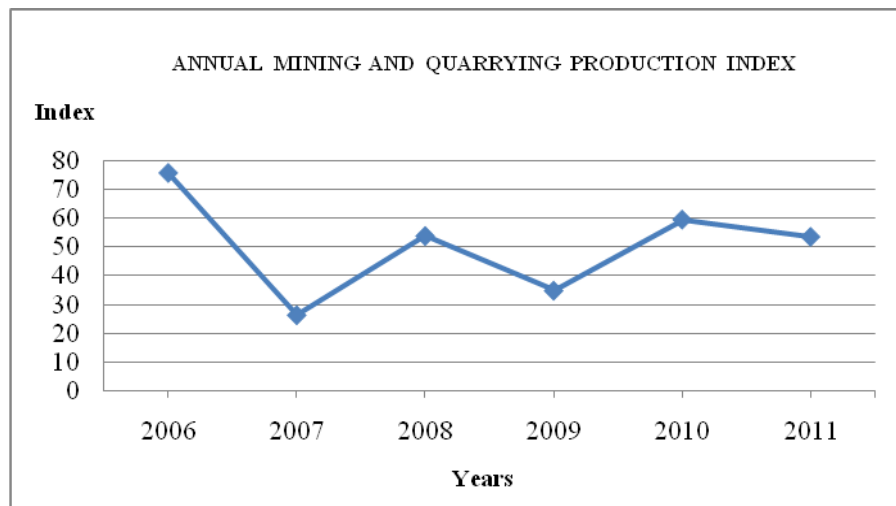


<sup>1</sup> Production data is based on calendar year; whereas the Macroeconomic aggregates are based on financial year data since it is not possible to split financial data by calendar year (refer 2.8 on Reference Period).

## APPENDIX VI

### ANNUAL MINING AND QUARRYING PRODUCTION INDEX<sup>1</sup> [Base Average 4 = Quarters 2005 = 100.0]

Division	Commodity	Weight	YEARS					
			2006	2007	2008	2009	2010	2011
13/14	Mining & Quarrying	2.6	75.8	26.4	53.9	34.9	59.6	53.6



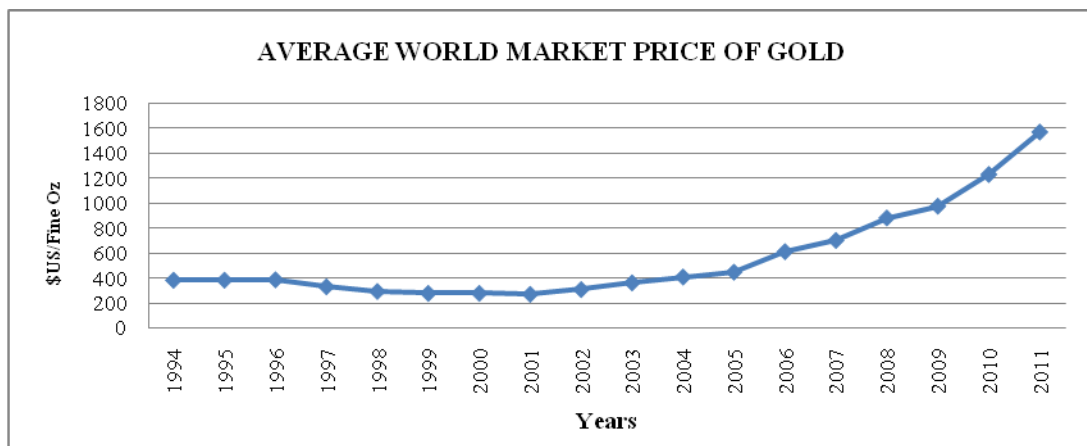
<sup>1</sup> Extract from the Industrial Production Index (IPI), which constitutes apart from Mining and Quarrying, the Manufacturing and Electricity and Water sectors. Out of a total weight of 100.0 in the IPI, Mining and Quarrying has a weight of 2.6.

## APPENDIX VII

### AVERAGE WORLD MARKET PRICE OF GOLD

Period	Gold \$US/Fine oz
1994	384.08
1995	384.11
1996	387.79
1997	331.43
1998	294.19
1999	278.70
2000	279.14
2001	271.05
2002	309.47
2003	363.16
2004	409.73
2005	448.72
2006	612.76
2007	703.15
2008	882.90
2009	977.49
2010	1,231.32
2011	1,571.15

Source: Reserve Bank of Fiji

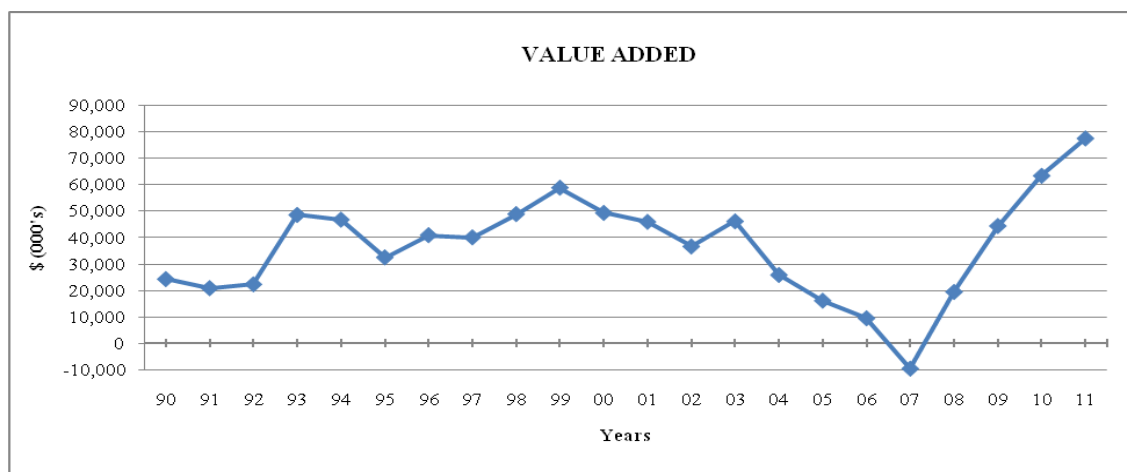


## APPENDIX VIII

## MACROECONOMIC AGGREGATES 1985 – 2010

(\$)

YEAR	GO	IC	VA	COE	CFC	OS
1990	61,410,000	45,059,000	16,351,000	15,067,000	9,347,000	-8,063,000
1991	54,727,000	34,816,000	19,911,000	11,462,000	9,455,000	-1,006,000
1992	58,892,000	36,693,000	22,199,000	24,539,000	21,608,000	-23,948,000
1993	73,211,000	24,816,000	48,395,000	32,416,000	7,319,000	8,660,000
1994	75,134,956	28,533,715	46,601,241	34,976,284	5,148,188	6,476,769
1995	77,619,842	45,230,657	32,389,185	27,401,180	6,536,419	-1,548,414
1996	90,606,394	49,844,707	40,761,687	31,578,712	6,299,859	2,883,116
1997	98,698,172	58,782,443	39,915,729	35,142,905	5,253,299	-480,475
1998	102,709,344	53,976,670	48,732,674	31,962,031	8,108,616	8,662,027
1999	111,673,636	52,991,390	58,682,246	27,552,667	9,415,883	21,713,696
2000	98,707,315	49,544,489	49,162,826	27,757,085	8,636,713	12,769,028
2001	95,552,484	49,768,355	45,784,129	25,271,323	6,403,792	14,109,014
2002	88,872,883	52,391,712	36,481,171	30,501,424	6,222,771	-243,024
2003	102,072,735	56,094,813	45,977,922	30,544,575	6,860,172	8,573,175
2004	93,004,915	67,277,052	25,727,863	30,405,685	7,072,958	-11,750,780
2005	79,925,736	63,909,692	16,016,044	26,348,078	11,232,651	-21,564,685
2006	59,363,425	49,978,335	9,385,090	26,014,193	11,812,239	-28,441,342
2007	38,684,345	48,320,216	-9,635,871	33,289,407	8,981,694	-51,906,972
2008	74,441,183	55,131,314	19,309,869	27,073,854	3,913,282	-11,677,267
2009	103,785,971	59,575,072	44,210,899	33,654,405	5,760,985	4,795,509
2010	169,573,842	106,412,160	63,161,682	41,250,024	10,371,572	11,540,086
2011	183,155,576	105,891,564	77,264,012	42,207,991	12,454,290	22,601,731



**APPENDIX IX****MACROEOMIC AGGREGATES USING FSIC 2004**

<b>FSIC 2004</b>		<b>GO</b>	<b>IC</b>	<b>VA</b>	<b>COE</b>	<b>CFC</b>	<b>OS</b>
<b>SUB-CLASS</b>	<b>ACTIVITY</b>						
13201	Mining of gold and silver						
14301	Exploration	154,540,081	90,214,116	64,325,965	38,297,887	12,014,090	14,013,988
14101	Quarrying of stone, sand and clay	28,615,495	15,677,448	12,938,047	3,910,104	440,200	8,587,743
	<b>Total</b>	<b>183,155,576</b>	<b>105,891,564</b>	<b>77,264,012</b>	<b>42,207,991</b>	<b>12,454,290</b>	<b>22,601,731</b>

*Note:* All those establishments that were classified under FSIC 2004 still fall under mining and quarrying in FSIC 2010.