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# **ECONOMIC SURVEYS**

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# **MINING AND QUARRYING 2014**

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## PREFACE

The report provides information on the Mining and Quarrying industry in 2014. The information is gathered from the registered establishments engaged in a wide range of activities such as extraction of minerals and supplementary activities aimed at preparing the crude materials for marketing, however, excludes information on mining and quarrying activities in the informal sector.

The important numbers presented are the macro-economic aggregates such as Gross Output, Intermediate Consumption, Value Added, Compensation of Employees, Consumption of Fixed Capital and Operating Surplus. These aggregates are combined with similar information on other industries to provide an estimate of GDP, which is a measure of our economy's size. Information made available in this report will allow us to work out the industry's contribution to the economy. Information contained in this report constitutes inputs to a national accounts system which basically provides a quantitative image of the whole economy.

Information on the mining and quarrying industry would be useful to a good number of users, for instance the;

- 1) Economist who needs to analyze the supply and demand for such activities.
- 2) Planner who uses the data to forecast the economy's performance.
- 3) Investor who wishes to have a closer look at opportunities available in the mining and quarrying economy.

The cooperation of those businesses who supplied the information presented in this report is hereby acknowledged. The Bureau of Statistics will continue to seek their support as we need to continually provide reliable statistics for evidence based planning. I also would like to thank the staffs who were engaged in the conduct of the survey and the preparation of this report.



Epeli Waqavonovono [Mr]  
**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

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# **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 2014. 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 2014 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

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<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 2014 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. In 2014, there were 26 establishments recorded as same number of establishments surveyed in 2013.

### **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 e.g. 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 8<sup>th</sup> May, 2015 and replies were required within a month. Response by the due date was low as [20%]; 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) software.

### **2.8 Reference Period**

The establishments contacted were to submit details for the calendar year 2014. 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 2014.

## 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 of 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 1A, 2 to 5B and 8 to 10 that contain actual survey data.

Results of sub-classes 07291, 09901, 08999 have been grouped together in order to protect the confidentiality of the information supplied by them.

### 3.1 The Survey Response

**Table 1A: 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			
08999	Mining and quarrying nec			
08101	Quarrying of stone, sand and clay	12	10	83.0
	<b>Total</b>	<b>28</b>	<b>26</b>	<b>93.0</b>

**Table 1B: Responding Establishment Contribution**

INDUSTRY	TOTAL GO OF INDUSTRY	GO OF RESPONDING ESTABLISHMENT (as per survey)	% CONTRIBUTION OF RESPONDING ESTABLISHMENT TO TOTAL GO
Mining and Quarrying Activities	177,550,706	177,018,017	100.0

### 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				
08999	Mining and quarrying nec				
08101	Quarrying of stone, sand and	2	8	0	10
	<b>Total</b>	<b>3</b>	<b>11</b>	<b>2</b>	<b>16</b>
	<b>Total</b>	<b>5</b>	<b>19</b>	<b>2</b>	<b>26</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				
08999	Mining and quarrying nec				
08101	Quarrying of stone, sand and	7	0	3	10
	<b>Total</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>16</b>
	<b>Total</b>	<b>23</b>	<b>0</b>	<b>3</b>	<b>26</b>

### 3.4 Size of Establishments

**Table 4: Size of Establishments**

FS3IC 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							
08999	Mining and quarrying nec	3	3	2	1	0	1	10
08101	Quarrying of stone, sand and	5	4	0	7	0	0	16
	<b>Total</b>	<b>8</b>	<b>7</b>	<b>2</b>	<b>8</b>	<b>0</b>	<b>1</b>	<b>26</b>

### 3.5 Number of Persons Engaged as at 30 June 2014

**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					
08999	Mining and quarrying nec	1,533	42	0	0	1,575
08101	Quarrying of stone, sand and clay	426	0	0	0	426
	<b>Total</b>	<b>1,959</b>	<b>42</b>	<b>0</b>	<b>0</b>	<b>2,001</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			
08999	Mining and quarrying nec	1,485	90	1,628
08101	Quarrying of stone, sand and clay	342	84	426
	<b>Total</b>	<b>1,827</b>	<b>174</b>	<b>2,001</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						
08999	Mining and quarrying nec	124,517,702	95,102,463	29,415,239	36,153,344	13,999,602	(20,737,707)
08101	Quarrying of stone, sand and clay	53,033,004	26,548,564	26,484,440	5,731,760	1,023,145	19,729,535
	<b>Total</b>	<b>177,550,706</b>	<b>121,651,027</b>	<b>55,899,679</b>	<b>41,885,104</b>	<b>15,022,747</b>	<b>(1,008,172)</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								
08999	0	5,304,874	0	2,477,471	55,622	1,977,088	0	9,815,055
08101	0	0	0	1,963,524	30,524	86,524	0	2,080,572
<b>TOTAL</b>	<b>0</b>	<b>5,304,874</b>	<b>0</b>	<b>4,440,995</b>	<b>86,146</b>	<b>2,063,612</b>	<b>0</b>	<b>11,895,627</b>

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

### 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	10	119,897,611	11,989,761
09901	Support activities for other mining and quarrying			
08999	Mining and quarrying nec			
08101	Quarrying of stone, sand and clay	16	53,912,266	3,369,517
	<b>Total</b>	<b>26</b>	<b>173,809,877</b>	<b>6,684,995</b>

### 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	119,897,611	1,575	76,125
09901	Support activities for other mining			
08999	Mining and quarrying nec			
08101	Quarrying of stone, sand and clay	53,912,266	426	126,555
	<b>Total</b>	<b>173,809,877</b>	<b>2,001</b>	<b>86,862</b>

### 3.10 Average Compensation of Employees per Paid Employee

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

FSIC 2010		COMPENSATION 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	36,119,344	1,575	22,933
09901	Support activities for other			
08999	Mining and quarrying nec			
08101	Quarrying of stone, sand	5,731,760	426	13,455
	<b>Total</b>	<b>41,851,104</b>	<b>2,001</b>	<b>20,915</b>

### 3.11 2014 Results Compared with 2013 Results

**Table 11: 2014 Results Compared with 2013 Results**

MACRO AGGREGATES	2013		2014		Percentage change
	\$	Aggregates expressed as % of GO	\$	Aggregates expressed as % of GO	
<b>GO</b>	190,691,789		177,550,706		-6.9
<b>IC</b>	130,991,283	68.7	121,651,027	68.5	-7.1
<b>VA</b>	59,700,506	31.3	55,899,679	31.5	-6.4
<b>COE</b>	47,059,952	24.7	41,885,104	23.6	-11.0
<b>CFC</b>	16,241,046	8.5	15,022,747	8.5	-7.5
<b>OS</b>	-3,600,492	1.9	-1,008,172	-0.6	72.0
<b>GFCF</b>	12,605,514		11,895,627		-5.6
<b>NUMBER OF PERSONS ENGAGED</b>	2,033		2,001		-1.6

Notes to assist interpret Table 11:

As a result of a decrease in the world price of gold (refer Appendix VIII) the GO and VA for 2014 when compared to 2013 shows a decrease of 6.9 percent and also the VA shows a decrease of 6.3 percent respectively.

*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 and VII for the Annual Mining and Quarrying Production Index; Appendix VIII for the Average World Market Price of Gold and Appendix VIII for the Macroeconomic Aggregates 1985 – 2014.*



## 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.

***Local Owned***

All companies with 51 per cent or more of its equity held in Fiji are considered locally owned.

***Number of Employees***

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.

***Operating Surplus***

This is the excess of value added by producers over compensation of employees, consumption of fixed capital and net indirect taxes.

***Payments in kind***

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.

***Statistical Unit***

Statistical unit is the Unit for which information is collected.

***Unpaid Family Workers***

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.

***Value Added***

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.

***Working Proprietors***

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
				-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>

<b>DIVISION</b>	<b>GROUP</b>	<b>CLASS</b>	<b>SUB-CLASS</b>	<b>DESCRIPTION</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>	<p><b>Support activities for other mining and quarrying</b></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"> <li>-exploration services, e.g. traditional prospecting methods, such as taking core samples and making geological observations at prospective sites</li> <li>-draining and pumping services, on a fee or contract basis</li> <li>-test drilling and test hole boring</li> </ul> <p>This sub-class excludes:</p> <ul style="list-style-type: none"> <li>-operating mines or quarries on a contract or fee basis, see division 07 or 08</li> <li>-specialized repair of mining machinery, see 33121</li> <li>-geophysical surveying services, on a contract or fee basis, see 71101</li> </ul>

**APPENDIX III: COMPOSITION OF MACROECONOMIC AGGREGATES  
2014**

	SUB-CLASS				GRAND TOTAL
	07291	08999	09901	08101	
	Mining of gold and silver	Mining an quarrying n.e.c	Support activities for other mining and quarrying	Quarrying of stone, sand and clay	
<b>INCOME<sup>3</sup></b>					
<b>Primary Activity</b>			<b>124,068,550</b>	<b>52,953,976</b>	<b>177,022,526</b>
Sales			120,430,300	53,912,266	174,342,566
Work in Progress			3,373,250	(205,130)	3,168,120
Closing stock			14,726,000	342,568	15,068,56
Less opening stock			11,352,750	547,698	11,900,448
Finished goods produced by the establishments			265,000	(753,160)	(488,160)
Closing stock			560,890	(753,160)	1,314,050
Less opening stock			295,890	1,506,320	1,802,210
<b>Secondary Activity</b>			<b>449,152</b>	<b>79,028</b>	<b>528,180</b>
Value of electricity sold			0	0	0
Rent received for hire of building, plant & machinery			229,000	0	229,000
Receipts from transport and related services			0	0	0
Gold hedging			0	0	0
Others			220,152	79,028	299,180
<b>Gross Output</b>			<b>124,517,702</b>	<b>53,033,004</b>	<b>177,550,706</b>
<b>Miscellaneous Income</b>			<b>3,714,650</b>	<b>2,780</b>	<b>3,717,430</b>
Casualty insurance			0	0	0
Profit or loss received from any other business			0	0	0
Property income received			210	2,780	2,990
Rent received from land			210	0	210
Interest received			0	2,780	2,780
Dividends received			0	0	0
Royalty received			0	0	0
Bad & doubtful debts recovered			0	0	0
Exchange gain			2,004	0	0
Gain on sales of fixed assets			0	0	0

<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				
	07291	08999	09901	08101	GRAND TOTAL
	Mining of gold and silver	Mining an quarrying n.e.c	Support activities for other mining and quarrying	Quarrying of stone, sand and clay	
VAT charged on goods and services provided			3,712,436	0	3,712,436
<b>TOTAL INCOME</b>			<b>128,232,352</b>	<b>48,399,320</b>	<b>181,268,136</b>
<b>EXPENDITURE</b>					
Expenditure on raw materials			57,792,536	10,436,259	68,228,795
Materials, fuel & supplies			(6,876,800)	0	(6,876,800)
Opening stock			6,181,200	0	6,181,200
Less closing stock			13,058,000	0	13,058,000
Expenditure incurred on fuel,			28,789,852	12,589,256	41,379,108
Fuel			5,491,784	7,456,254	12,948,038
Electricity			19,235,094	3,517,851	22,752,945
Water			4,062,974	1,615,151	5,678,125
Repairs & Maintenance cost			406,158	1,808,572	2,214,730
Motor vehicle			39,836	202,951	242,787
Building			31,051	761,068	792,119
Plant & machinery			335,271	844,553	1,179,824
Cartage & haulage paid to other			2,603,036	195,624	2,798,660
Travel Expenses			1,030,024	53,689	1,083,713
Air			853,087	24,563	877,650
Water			17,826	6,589	24,415
Land			159,111	22,537	181,648
Audit and accounting			271,667	27,372	299,039
Legal Fee			117,443	11,730	129,173
Advertising & promotion			8,292	60,254	68,546
Bank charges			94,348	101,210	195,558
Postage			170,985	29,536	200,521
Telephone & Telecommunications			280,767	68,916	349,683
Office stationary & supplies			180,563	65,120	245,683
Rent paid for the hire of			2,623,449	25,753	2,649,202
Furniture			0	0	0
Buildings			0	0	0
Plant & equipment			2,623,449	25,753	2,649,202
Management & consultation fees			2,171,895	471,258	2,643,153
Business insurance			113,719	303,451	417,170
Other expenditure			378,429	300,564	678,993
<b>Intermediate Input</b>			<b>95,102,463</b>	<b>26,548,564</b>	<b>121,651,027</b>
<b>Miscellaneous Expenditure</b>			<b>3,424,169</b>	<b>1,408,974</b>	<b>4,833,143</b>

	SUB-CLASS				GRAND TOTAL
	07291	08999	09901	08101	
	Mining of gold and silver	Mining and quarrying n.e.c	Support activities for other mining and quarrying	Quarrying of stone, sand and clay	
Casualty insurance			14,568	0	14,568
Property income paid			746,414	1,288,380	2,119,440
Rent paid for land			175,287	835,000	1,010,287
Interest paid			159,260	63,124	79,050
Dividend paid			0	0	0
Royalty paid			555,201	390,256	945,457
Bad & doubtful debts written off			84,310	0	84,310
Business licenses, rates on property paid to central or local government			23,034	6,154	29,188
TPAF levy			23,242	78,524	101,766
Exchange losses			62,066	0	62,066
Loss on sale of fixed assets			0	1,050	1,050
VAT paid on supplies of goods and			1,946,472	36,425	1,977,897
<b><i>Compensation of Employees</i></b>			<b>36,153,344</b>	<b>5,731,760</b>	<b>41,885,104</b>
Wages & Salaries			31,947,781	5,298,710	37,246,491
FNPF			2,087,963	429,740	2,517,703
Payments in kind			2,117,600	3,310	2,120,910
<b><i>Consumption of Fixed Capital</i></b>			<b>13,999,602</b>	<b>1,023,145</b>	<b>15,022,747</b>
<b>TOTAL EXPENDITURE</b>			<b>164,990,838</b>	<b>32,078,068</b>	<b>199,125,424</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  
Website: www.statsfiji.gov.fj

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CONFIDENTIAL

DESPATCHED: 08/05/2015

### 2014 CENSUS OF MINING AND QUARRYING

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Tax Identification Number

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Please correct any errors appearing in this label.

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Dear Sir/Madam,

Enclosed are two copies of the 2014 Census of 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 is used by the Fiji Bureau of Statistics to estimate the National Income of Fiji and in the provision of other key indicators.

**REFERENCE PERIOD:** Reference period is the calendar year 2014. If your accounting year is different provide information approximating closest to the calendar year 2014. 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 08/06/15. 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 120 on email smadraniceva@statsfiji.gov.fj or telephone 3315822 (ext. 386 245) or direct line 323 0845.

**Epeli Waqavonovono**  
Government Statistician



**NOTE:** Under the Fiji Standard Industrial Classification 2010's Section B, Mining and Quarrying are predominantly engaged in extraction of minerals occurring naturally and supplementary activities.

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#### **ORGANISATIONAL STRUCTURE**

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- 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**

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- 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**

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- 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 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 2014 please provide information for the duration your business operated.

## QUESTIONNAIRE

Please answer all relevant questions 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    \    2014    To    \    2014			
----------	---	--	--	--

### LEGAL STATUS OF ORGANISATION

		Please tick appropriate box			
<b>3</b>		Sole Trader	1	Partnership	2
	001	Private Limited Company	3	Public Limited Company	4
		Co-operative	5	Government Owned Trading Entity	6
		Statutory Board	7	Central Government	8
		Local Authority	9	Local Government	10
		Joint Venture and Consortia	11	Non-profit organization	12
		Trusts and Estates	13	Consulates and Foreign	14
		Branch of a Company	15	Societies and Associations	16
		Other Business Type (specify)			20

### 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 2012	%	(b) As at end of 2013	%

### 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.

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 SALES		EXPORT		TOTAL SALES
		QUANTITY AND UNITS (1)	VALUE (\$) (2)	QUANTITY AND UNITS (3)	VALUE (\$) (4)	VALUE (\$) (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 included in 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 42.

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	Fiji National university [FNU] 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 pay week in June 2014 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 094+101+131+141+142+143 + 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 59, 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 cost of new is the fixed assets and additions to the existing fixed assets made by the establishments own labour for its own use. Cost should be costs plus value of materials equivalent to labour at cost.

**FIXED CAPITAL ASSETS**

64			VALUE (\$)							
			Opening book value	Purchase of new and second hand assets at cost		Land Development & Improvement	Own Account Capital const	Sales of Capital assets	Depreciation	Closing Book value
				Locally	from abroad					
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
a]	Land	170								
b]	Non- residential Buildings	178								
	Residential Buildings	186								
c]	Plant and machinery	194								
d]	Furniture, fixtures and office equipment	202								
	ICT equipment	210								
	Other office equipment	218								
e]	Transport Vehicles and related equipment	226								
f]	Research & Development	234								
g]	Mineral Exploration & Evaluation	242								
h]	Valuables (Antiques, Artistic Originals Precious Metals, etc)	250								
i]	Others (specify)	258								
	Total	266								

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

Name \_\_\_\_\_

Position \_\_\_\_\_

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

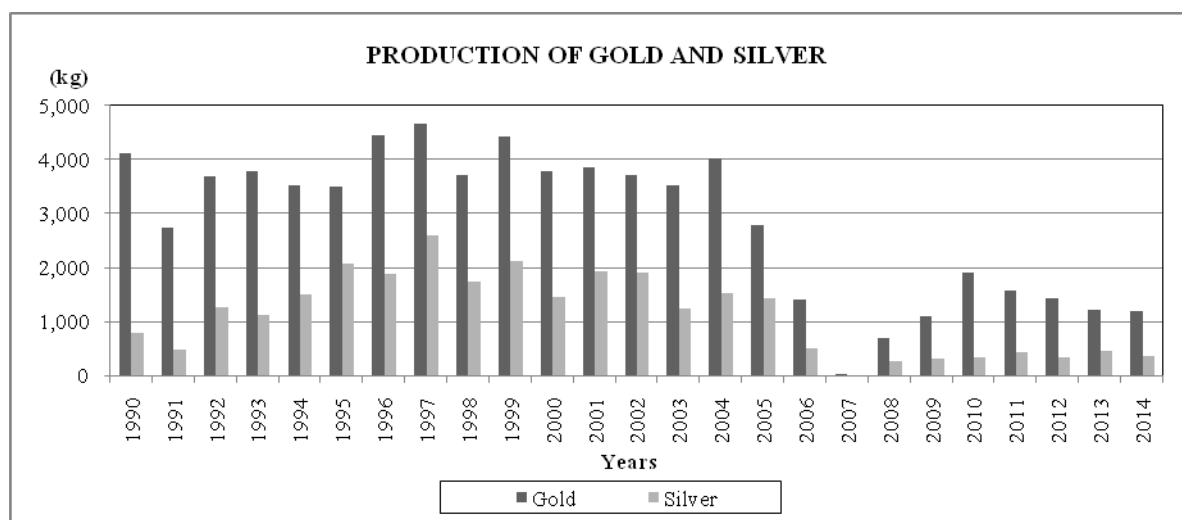
E-mail \_\_\_\_\_

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	1,570	418
2012	1,437	342	2013	1,217	462	2014	1,186	361

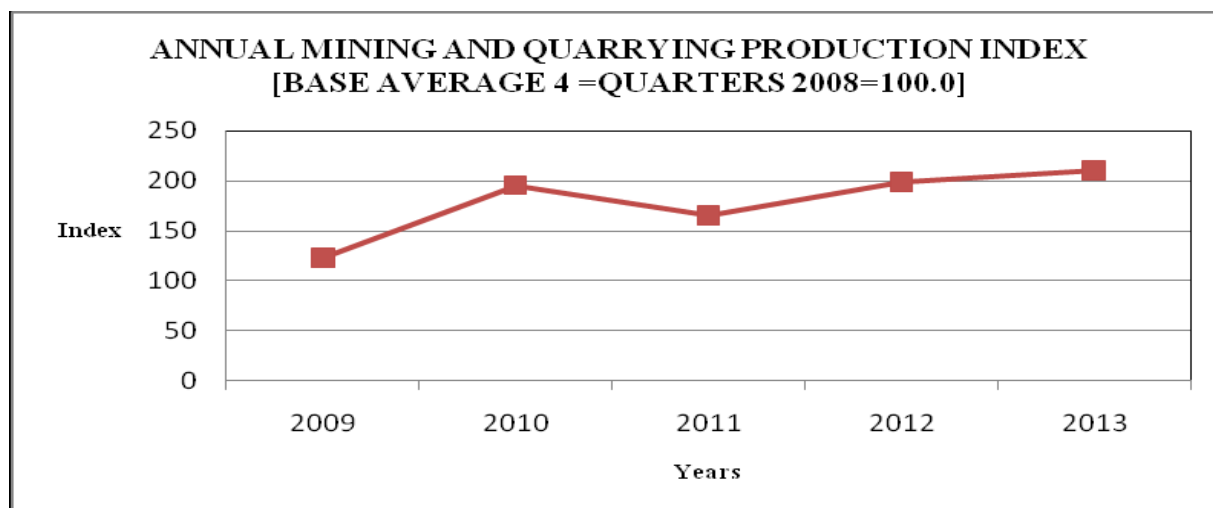


<sup>1</sup> Production data is based on calendar year; whereas the Macroeconomic aggregates are based on financial year data since it is not possible to split financial data by calendar year (refer 2.8 on Reference Period).

## APPENDIX VI: ANNUAL MINING AND QUARRYING PRODUCTION INDEX<sup>1</sup>

[Base Average 4 = Quarters 2008 = 100.0]

Division	Commodity	Weight	YEARS					
			2009	2010	2011	2012	2013	2014
13/14	Mining & Quarrying	3.0	122.8	195.6	165.1	199.1	210.7	190.0



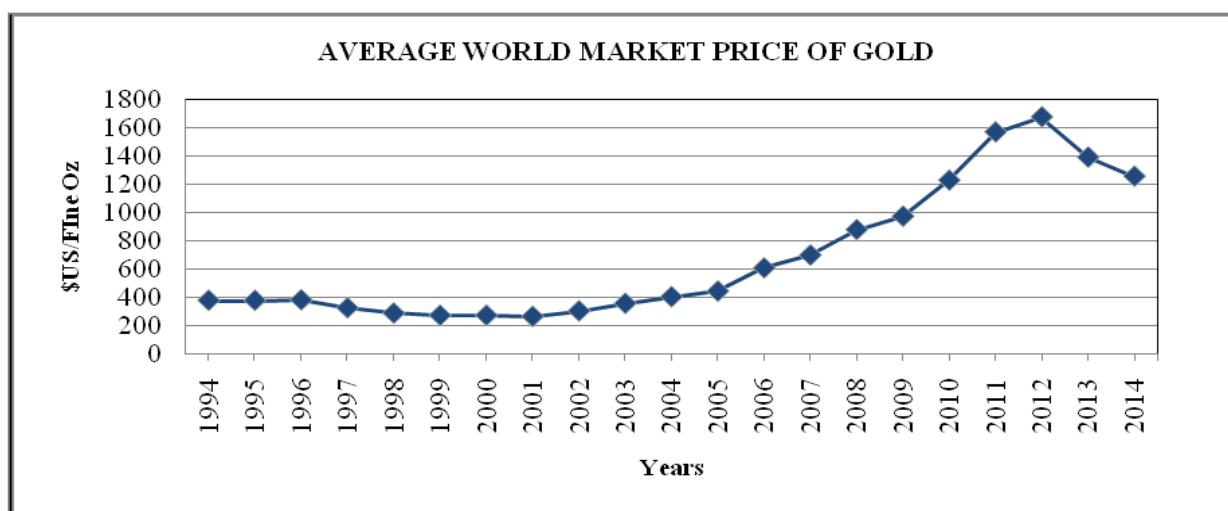

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<sup>1</sup> Extract from the Industrial Production Index (IPI), which constitutes apart from Mining and Quarrying, the Manufacturing and Electricity and Water sectors. Out of a total weight of 100.0 in the IPI, Mining and Quarrying has a weight of 3.0

## 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
2012	1,677.78
2013	1,393.70
2014	1,259.34

[Source: Reserve Bank of Fiji]



## APPENDIX VIII: MACROECONOMIC AGGREGATES 1990 – 2014

(\$)

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
2012	214,458,386	126,625,902	87,832,484	48,063,746	15,707,234	24,061,504
2013	190,691,789	130,991,283	59,700,506	47,059,952	16,241,046	-3,600,492
2014	177,550,706	121,651,027	55,899,679	50,242,704	18,209,947	-12,552,972

