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# **ECONOMIC SURVEYS**

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# **MINING AND QUARRYING 2015**

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## PREFACE

The report provides information on the Mining and Quarrying industry in 2015. 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, it 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 staff 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 2015. 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 2015 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. 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).

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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.

### **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 2015 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 2015, there were 29 establishments recorded compared to 26 establishments surveyed in 2014.

### **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 30<sup>th</sup> of June 2016 and replies were required within a month. Response by the due date was low (34%), 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 the Statistical Analysis System (SAS) software.

### **2.8 Reference Period**

The establishments contacted were to submit details for the calendar year 2015. 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 2015.

## 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 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	15	13	86
08101	Quarrying of stone, sand and clay	16	16	100
	<b>Total</b>	<b>31</b>	<b>29</b>	<b>93</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	191,024,867	189,921,902	99.4

### 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	3	10	0	13
08101	Quarrying of stone, sand and	3	11	2	16
	<b>Total</b>	<b>6</b>	<b>21</b>	<b>2</b>	<b>29</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	10	0	3	13
08101	Quarrying of stone, sand and	16	0	0	16
	<b>Total</b>	<b>26</b>	<b>0</b>	<b>3</b>	<b>29</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							
09901	Support activities for other mining and quarrying							
08999	Mining and	4	5	2	1	0	1	13
08101	Quarrying of stone,	5	4	0	7	0	0	16
	<b>Total</b>	<b>9</b>	<b>9</b>	<b>2</b>	<b>8</b>	<b>0</b>	<b>1</b>	<b>29</b>

### 3.5 Number of Persons Engaged as at 30 June 2015

**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	1,464	26	0	0	1,490
08101	Quarrying of stone, sand and clay	428	0	0	0	428
	<b>Total</b>	<b>1,892</b>	<b>26</b>	<b>0</b>	<b>0</b>	<b>1,918</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	1,404	86	1,490
08101	Quarrying of stone, sand and clay	342	86	428
	<b>Total</b>	<b>1,746</b>	<b>172</b>	<b>1,918</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	133,733,486	91,665,164	42,068,322	34,561,319	16,240,058	-8,733,055
08101	Quarrying of stone, sand and clay	56,188,417	28,050,019	28,138,398	5,732,678	1,053,489	21,352,231
	<b>Total</b>	<b>189,921,903</b>	<b>119,715,183</b>	<b>70,206,720</b>	<b>40,293,997</b>	<b>17,293,547</b>	<b>12,619,176</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	3,438,000	0	2,662,800	0	1,275,200	0	7,376,000
08101	0	0	0	1,052,357	25,537	51,427	0	1,129,321
<b>TOTAL</b>	<b>0</b>	<b>3,438,000</b>	<b>0</b>	<b>3,715,157</b>	<b>25,537</b>	<b>1,326,627</b>	<b>0</b>	<b>8,505,321</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			
09901	Support activities for other mining and quarrying			
08999	Mining and quarrying nec	13	131,894,153	10,145,704
08101	Quarrying of stone, sand and clay	16	56,052,867	3,503,304
	<b>Total</b>	<b>29</b>	<b>187,947,020</b>	<b>6,480,932</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			
09901	Support activities for other mining and quarrying			
08999	Mining and quarrying nec	131,894,153	1,490	88,520
08101	Quarrying of stone, sand and clay	56,052,867	428	130,965
	<b>Total</b>	<b>187,947,020</b>	<b>1,918</b>	<b>97,991</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			
09901	Support activities for other mining and quarrying			
08999	Mining and quarrying nec	33,524,886	1,490	22,500
08101	Quarrying of stone, sand and clay	5,732,678	428	13,394
	<b>Total</b>	<b>39,257,564</b>	<b>1,918</b>	<b>20,468</b>

### 3.11 Loans and Advances

**Table 12: Loans and Advances**

FSIC 2010		CLOSING BALANCE		
		ABROAD	LOCAL	TOTAL
SUB-CLASS	ACTIVITY			
07291	Mining of gold and silver			
09901	Support activities for other mining and quarrying			
08999	Mining and quarrying nec	20,500,000	0	20,500,000
08101	Quarrying of stone, sand and clay	0	0	0
	<b>Total</b>	<b>20,500,000</b>	<b>0</b>	<b>20,500,000</b>

### 3.11 2015 Results Compared with 2014 Results

**Table 11: 2015 Results Compared with 2014 Results**

MACRO AGGREGATES	2014		2015		Percentage change
	\$	Aggregates expressed as % of GO	\$	Aggregates expressed as % of GO	
<b>GO</b>	177,550,706		189,921,903		7.0
<b>IC</b>	121,651,027	68.5	119,715,183	63.0	-1.6
<b>VA</b>	55,899,679	31.5	70,206,720	37.0	25.6
<b>COE</b>	41,885,104	23.6	40,293,997	21.2	-3.8
<b>CFC</b>	15,022,747	8.5	17,293,547	9.1	15.1
<b>OS</b>	-1,008,172	-0.6	12,619,176	6.6	-1351.7
<b>GFCF</b>	11,895,627		8,505,321		-28.5
<b>NUMBER OF PERSONS ENGAGED</b>	2,001		1,918		-4.1

Notes to assist interpret Table 11:

As an increase in production of Mining & Quarrying as more constructions projects are in rank and also maintenance of roads the GO and VA for 2015 when compared to 2014 shows an increase of 7.0 percent and 25.6 percent respectively.

The OS registered a significant increase due to a higher in GO when compared to 2014.

*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 – 2015.*



## **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
				-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

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
<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 2015

	SUB-CLASS		GRAND TOTAL
	072	081	
	07291/09901/08999	08101	
<b>INCOME<sup>3</sup></b>			
<b>Primary Activity</b>	<b>132,853,397</b>	<b>56,104,058</b>	<b>188,957,455</b>
Sales	133,251,276	56,052,867	189,304,143
Work in Progress	65,098	(158,973)	(93,875)
Closing stock	380,346	351,264	731,610
Less opening stock	315,248	510,237	825,485
Finished goods produced by the establishments	(462,977)	210,164	(252,813)
Closing stock	5,540,247	965,248	6,505,495
Less opening stock	6,003,224	755,084	6,758,308
<b>Secondary Activity</b>	<b>661,581</b>	<b>84,359</b>	<b>745,940</b>
Value of electricity sold	0	0	0
Rent received for hire of buildings	0	0	0
Plant & machinery	234,528	0	234,528
Receipts from transport and related services	0	0	0
Gold hedging	0	0	0
Others	427,053	84,359	511,412
<b>Gross Output</b>	<b>133,514,978</b>	<b>56,188,417</b>	<b>189,703,395</b>
<b>Miscellaneous Income</b>	<b>3,528,782</b>	<b>3,102</b>	<b>3,531,884</b>
Casualty insurance	0	0	0
Profit or loss received from any other business	0	0	0
Property income received	3,315	3,102	6,417
Rent received from land	315	0	315
Interest received	3,000	3,102	6,102
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	0	0	0
VAT charged on goods and services provided	3,525,467	0	3,525,467
<b>TOTAL INCOME</b>	<b>137,043,760</b>	<b>56,191,519</b>	<b>193,235,279</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	
	07291/09901/08999	08101	
<b>EXPENDITURE</b>			
Expenditure on raw materials	51,091,668	10,856,479	61,948,147
Materials, fuel & supplies	191,000	0	191,000
Opening stock	13,058,000	0	13,058,000
Less closing stock	12,867,000	0	12,867,000
Expenditure incurred on fuel, electricity & water	28,469,223	13,581,808	42,051,031
Petrol/Automotive diesel fuel	4,558,389	7,805,384	12,363,773
Electricity	19,256,296	4,013,864	23,270,160
Water	4,654,538	1,762,560	6,417,098
Others	0	0	0
Repairs & Maintenance paid for :	796,524	1,868,128	2,664,652
a) Vehicles	88,790	208,347	297,137
b) Buildings	39,225	810,429	849,654
c) Plant & Machinery	668,509	849,352	1,517,861
Exploration cost incurred	0	105,468	105,468
Cartage & haulage paid to other firms	3,095,082	204,287	3,299,369
Travel Expenses by:	1,366,216	58,499	1,424,715
a) Air	1,019,667	29,524	1,049,191
b) Water	32,699	6,128	38,827
c) Land	313,850	22,847	336,697
Value of contract and commission work done	0	0	0
Audit, Accounting & Legal Fee	657,981	39,881	697,862
Audit and accounting	461,539	27,834	489,373
Legal Fee	196,442	12,047	208,489
Advertising & promotion	15,040	61,041	76,081
Bank charges	110,968	101,875	212,843
Postage	171,925	29,847	201,772
Telecommunications	82,419	69,014	151,433
Office stationary & supplies	215,204	66,020	281,224
Rent paid for the hire of:	2,201,569	25,907	2,227,476
a) Furniture	0	0	0
b) Buildings	0	0	0
c) Plant and Machinery	2,201,569	25,907	2,227,476
Management & consultation fees	2,545,612	471,827	3,017,439
Business insurance	224,321	303,551	527,872
Other expenditure	430,412	206,387	636,799
<b>Intermediate Input</b>	<b>91,665,164</b>	<b>28,050,019</b>	<b>119,715,183</b>
<b>Miscellaneous Expenditure</b>	<b>5,957,007</b>	<b>1,424,995</b>	<b>7,382,002</b>
Casualty insurance	9,857	0	9,857

	SUB-CLASS		GRAND TOTAL
	072	081	
	07291/09901/08999	08101	
Property income paid	924,882	1,297,735	2,222,617
Rent paid for land	181,207	841,256	1,022,463
Interest paid	162,578	64,021	226,599
Dividend paid	0	0	0
Royalty paid	581,097	392,458	973,555
Bad & doubtful debts written off	89,574	0	89,574
Business licenses, rates on property paid to central or local government	28,679	6,354	35,033
TPAF levy	26,541	79,565	106,106
Exchange losses	2,825,000	0	2,825,000
Loss on sale of fixed assets	0	1,784	1,784
VAT paid on supplies of goods and services	2,052,474	39,557	2,092,031
<b><i>Compensation of Employees</i></b>	<b><i>34,561,319</i></b>	<b><i>5,732,678</i></b>	<b><i>40,293,997</i></b>
Wages & Salaries	31,318,261	5,298,994	36,617,255
FNPF	2,012,601	429,857	2,442,458
Payments in kind	1,230,457	3,827	1,234,284
<b><i>Consumption of Fixed Capital</i></b>	<b><i>16,240,058</i></b>	<b><i>1,053,489</i></b>	<b><i>17,293,547</i></b>
<b>TOTAL EXPENDITURE</b>	<b>148,423,548</b>	<b>36,261,181</b>	<b>184,684,729</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:30/06/16

# 2015 CENSUS OF MINING AND QUARRYING

Tax Identification Number

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

Please correct any errors appearing in this label.

Dear Sir\Madam,

Enclosed is a copy of the 2015 Census of Mining and Quarrying questionnaire.

**COVERAGE AND SCOPE:** It covers all establishments engaged in the Mining and Quarrying sector classified under the 2010 Fiji Standard Industrial Classification (refer note on page 2). If an establishment's Mining and Quarrying activities are combined with other type of business, please report only the operations of the mining and quarrying activities.

**PURPOSE:** The census provides an important means of understanding the composition and structure of the industry and assessing the contribution of this sector to the economy. The results of the Census will be used by the Fiji 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 2015. If your accounting year is different provide information approximating closest to the calendar year 2015. 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 (Cap 71). In accordance with Section 8 subsection 2 of this Act you are required to fill the questionnaire and return it to the undersigned on or before **29/07/16**. 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 authorised persons will have access to individual information.

**CONTACT PERSON FOR HELP AND ADVICE:** Ms Salome Madraniceva on email [smadraniceva@statsfiji.gov.fj](mailto:smadraniceva@statsfiji.gov.fj) or telephone 331 5822 (ext. 386 245) or direct line 323 0845.

**Epeli Waqavonovono**  
Government Statistician



**NOTE:** Under the 2010 Fiji Standard Industrial Classification, 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**

---

5(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**

---

- 6 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**

---

- 7 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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- 8 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 2015 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    \    \2015    To    \    \2015			
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## LEGAL STATUS OF ORGANISATION

		Please tick appropriate box			
<b>3</b>	001	Sole Trader	1	Partnership	2
		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)	17		

## INTERNATIONAL TRADE

<b>4</b>	Please tick appropriate box	Yes	No
	Does the establishment import or export any type of goods or services		

## FORM OF OWNERSHIP

		Please tick appropriate box			
<b>5</b>	002	Fiji owned	1	Branch of an overseas company	2
		Subsidiary of an overseas company	3	Others (specify)	4

## EQUITY PARTICIPATION

<b>6</b>	Please indicate in the appropriate box equity capital held by Fiji Citizens.			
	(a) As at end of 2014	%	(b) As at end of 2015	%

## NATURE OF WORK

<b>7</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>8</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**

---

9 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 export.

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**

---

11 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.

13 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 14a].

18 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.

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

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

9	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				
	<b>Total sales</b>	<b>029</b>				

OTHER INCOME			VALUE (\$)
10	Subsidies and grants received	032	
11	Insurance claims received: a) Business insurance claims received	033	
	b) Casualty insurance claims received	034	
12	Profit or loss received from any other business in which you have an interest	035	
13	Rent received from : a) Buildings	036	
	b) Plant and Machinery	037	
	c) Furniture and Fixtures	038	
	d) Transport and related Equipment	039	
14	Income from: a) Rent received from land	040	
	b) Interest received	041	
	c) Dividends received	042	
	d) Royalty received	043	
15	Bad and doubtful debts recovered	044	
16	Exchange gain	045	
17	Gain on sale of fixed assets	046	
18	Sales of goods not manufactured by your own establishment (see question 55)	047	
19	Value of electricity sold	048	
20	Receipts from industrial services rendered to others:		
	a) Plant and equipment hire	049	
	b) Repairs and maintenance to: a) Plant, machinery and equipment	050	
	b) Others	051	
	c) Transport and related services	052	
21	Gold Hedging	053	
22	Others (specify).	054	
	_____		
	_____		
	_____		
	_____		
	_____		
	<b>Total other income (Codes 032 - 051)</b>	<b>055</b>	

23	VAT charged on goods and services provided	056	
----	--	-----	--

24	<b>GRAND TOTAL OF ALL INCOME RECEIVED (Codes 031 + 055 + 056)</b>	057	\$
----	---	-----	----

---

## **PURCHASES OF MATERIALS AND OPERATING EXPENDITURE**

---

25 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 35.

- 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 69.
- Exclude all purchases of: Machinery and plant and other capital equipment purchased by you which should be included in question 69.

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

---

## **FUEL, ELECTRICITY AND WATER**

---

26-29 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.

30-31 State the total value of electricity and water purchased by your establishment for the production process.

---

## **OTHER EXPENDITURE**

---

33 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.

35 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.

37 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.

46 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 45.

b] Include interest on long-term debts and interest on all borrowing.

<b>PURCHASES OF MATERIALS AND OPERATING EXPENDITURE</b>										
Please state the value of all materials and supplies purchased during the year for use in the production process										
					VALUE (\$)					
					IMPORTED		LOCALLY PRODUCED			
					PURCHASED		PURCHASED			
25	DESCRIPTION OF MATERIALS AND SUPPLIES		UNIT of Qty (1)	QTY (2)	FROM ABROAD (3)	LOCALLY (4)	FROM MANUF (5)	FROM OTHERS (6)	TOTAL (7)	
		058								
		065								
		072								
		079								
		086								
	<b>Total</b>	093								

<b>FUEL, ELECTRICITY AND WATER</b>			VALUE (\$)
26	Petrol/automotive diesel fuel		098
27	Industrial diesel fuel/heavy fuel oil		099
28	Kerosene		100
29	Liquid petroleum gas		101
30	Electricity		102
31	Water		103
	<b>Total (Codes 098 to 103)</b>		104

<b>OTHER EXPENDITURE</b>			VALUE (\$)
32	Donations made		105
33	Repairs and maintenance costs on:	a) Motor vehicles	106
		b) Building	107
		c) Plant and Machinery	108
34	Value of exploration costs incurred		109
35	Cartage and haulage expenses paid to other firms		110
36	Travel expenses (e.g. management, personal etc.) :	a) Air	111
		b) Water	112
		c) Land	113
37	Value of contract and commission work done		114
38	Audit, accounting		115
39	Legal fee		116
40	Advertising and promotion etc.		117
41	Bank charges		118
42	Postage,		119
43	Telephone and telecommunication		120
44	Office stationery and supplies		121
45	Rent paid for :	a) Building	122
		b) Plant and machinery	123
		c) Furniture and fixtures	124
46	Expenditure on:	a) Rent paid for land	125
		b) Interest paid	126
		c) Dividends paid	127
		d) Royalty paid	128
47	Management and consultation fee		129
48	Bad and doubtful debts written off		130
49	Business licenses, rates on property paid to central or local government etc		131
50	Insurance paid: a) Business insurance		132
		b) Casualty insurance	133
51	Fiji National university [FNU] Levy		134
52	Exchange losses		135
53	Loss on sale of fixed assets		136
54	Depreciation claimed (to agree with question 69(7))		137
55	Cost of goods purchased for resale (see question 18)		138
56	All other costs and expenses		139
	<b>Total other expenditure (Codes 105 to 139 excluding 127)</b>		140

---

## EMPLOYMENT AND COMPENSATION OF EMPLOYEES

---

- 57 Please note that the information in respect of employment is for the last pay week in June 2015 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, e.g. 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, e.g. 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

---

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

---

## LOANS AND ADVANCES

---

- 64 Please provide information relating to any loan or advances taken during the period.

---

## NET EARNINGS AND TAXES PAID

---

- 65 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 057+ 177]	\$
Less Expenditure [ Code 159]	\$
Equals Profit (+)\Loss (-) [Code 193]	\$

<b>EMPLOYMENT AND COMPENSATION OF EMPLOYEES</b>						
57			NUMBER EMPLOYED (1)	GROSS WAGES AND SALARIES PAID (2)	EMPLOYER'S CONTRIBUTION TO FNNP ETC (3)	PAYMENT IN KIND (4)
a)	Fiji citizens	141				
b)	Expatriates	145				
	<b>Total</b>	149				
c)	Working without pay					
	i) Working proprietors	153				
	ii) Unpaid family workers	154				
	<b>Total (Codes 149 (1) + 153 + 154)</b>	155				
d)	From the total number in employment given in code 155, please state:					
	Total Males	156		Total Females	157	

58	VAT paid on supplies of goods and services	158	
----	--	-----	--

59	<b>GRAND TOTAL OF ALL EXPENDITURE INCURRED [Codes 097+104+140+150+151+152 + 158]</b>	<b>159</b>	<b>\$</b>
----	--	------------	-----------

<b>STOCKS</b>					
			VALUE OF STOCKS (\$)		
			OPENING (1)	CLOSING (2)	CHANGE (2)-(1)=(3)
60	Finished goods produced by the establishment and intended for sale	160			
61	Work-in-progress	163			
62	Finished goods bought for resale	166			
63	Materials, fuels, supplies and components	169			
	<b>Total</b>	172			

<b>LOANS AND ADVANCES</b>							
64		Opening Balance 01/01/15 \$ [1]	Additions during the year \$ [2]	Principle Repayment during the year \$ [3]	Other Changes \$ [4]	Closing Balance 31/12/15 \$ [5=1+2-3+4]	Pay Total Interest Payable for the year \$ [6]
	Locally	175					
	Abroad	181					
	<b>Total</b>	187					

<b>NET EARNINGS AND TAXES PAID</b>			
			Amount (\$)
65	Net profit/loss of your establishment/enterprise. If this does not agree with question 66, please give reasons _____	193	
66	Taxable income of your establishment/enterprise	194	
67	Amount, if any, of previous year losses that was deducted before arriving at the taxable income	195	
68	Amount of Fiji Income Tax paid/payable by your establishment/enterprise.	196	



---

## **FIXED CAPITAL ASSETS**

---

- 69 (7) Please ensure that: The value given for depreciation should agree with the value given in question 54.
- 69 (5) Own Account Capital Construction: This is the cost of new assets and 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.
- 69 (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).

<b>FIXED CAPITAL ASSETS</b>										
<b>69</b>			<b>VALUE (\$)</b>							
			Opening book value	Purchase of new and second hand assets at cost		Land Development & Improvement	Own Account Capital Construction	Sales of Capital assets	Depreciation	Closing Book value
			(1)	locally (2)	from abroad (3)	(4)	(5)	(6)	(7)	(8)
a]	Land	197								
b]	Non- residential Buildings	205								
	Residential Buildings	213								
c]	Plant and machinery	221								
d]	Furniture, fixtures and office equipment	229								
	ICT equipment	237								
	Other office equipment	245								
e]	Transport Vehicles and related equipment	253								
f]	Research & Development	261								
g]	Mineral Exploration & Evaluation	277								
h]	Valuables (Antiques, Artistic Originals Precious Metals, etc)	280								
i]	Others (specify)	285								
	Total	293								

**Person we should contact if any queries arise regarding this form**

Name: \_\_\_\_\_

Telephone: \_\_\_\_\_

Facsimile: \_\_\_\_\_

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

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Please indicate (√) or (×) in the boxes below:

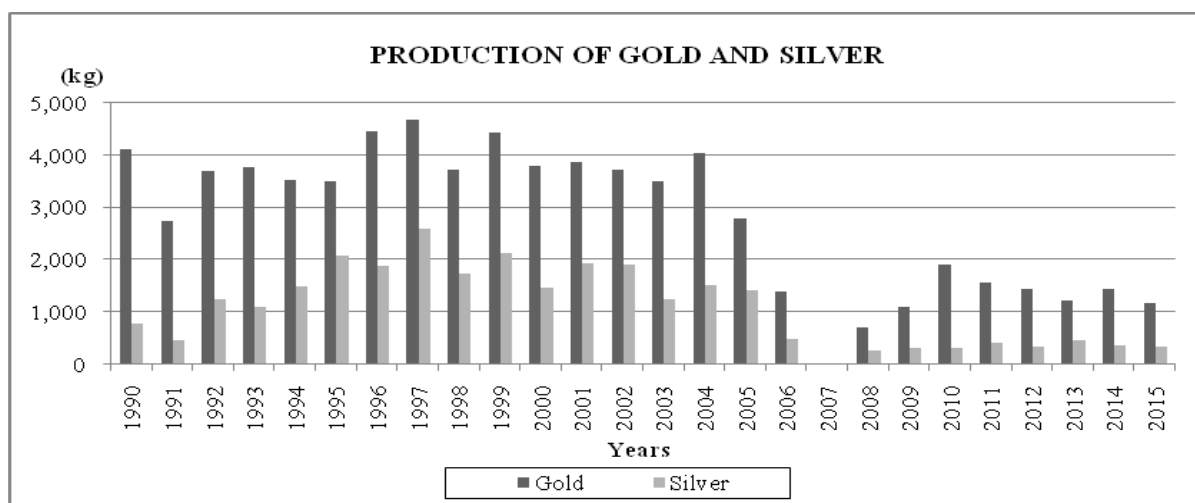
(1) The company hires a Chartered Accountant

(2) The form has been filled by a Chartered Accountant

**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
2015	1,175	354						

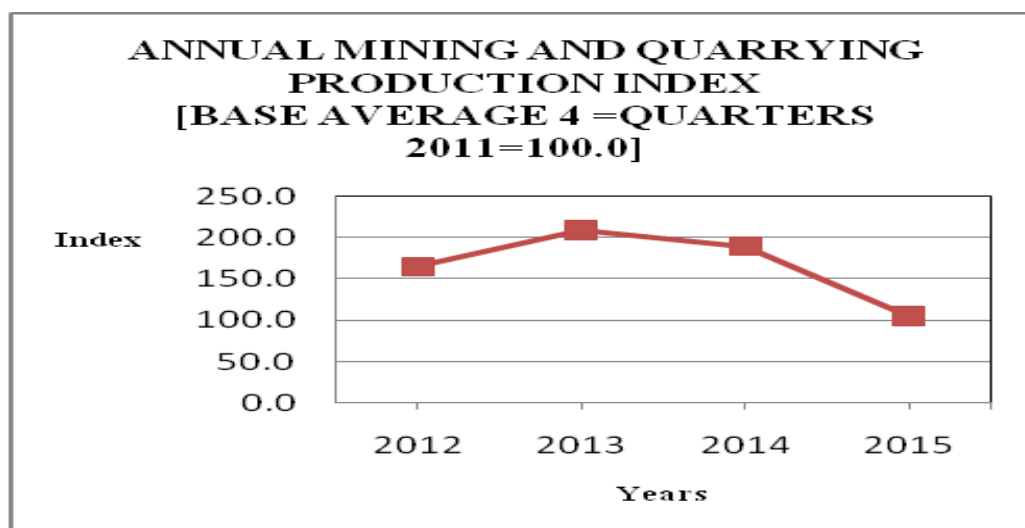


<sup>1</sup> Production data is based on calendar year; whereas the Macroeconomic aggregates are based on financial year data since it is not possible to split financial data by calendar year (refer 2.8 on Reference Period).

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

[Base Average 4 = Quarters 2011 = 100.0]

Division	Commodity	Weight	YEARS			
			2012	2013	2014	2015
13/14	Mining & Quarrying	7.8	165.3	209.6	190.0	105.1



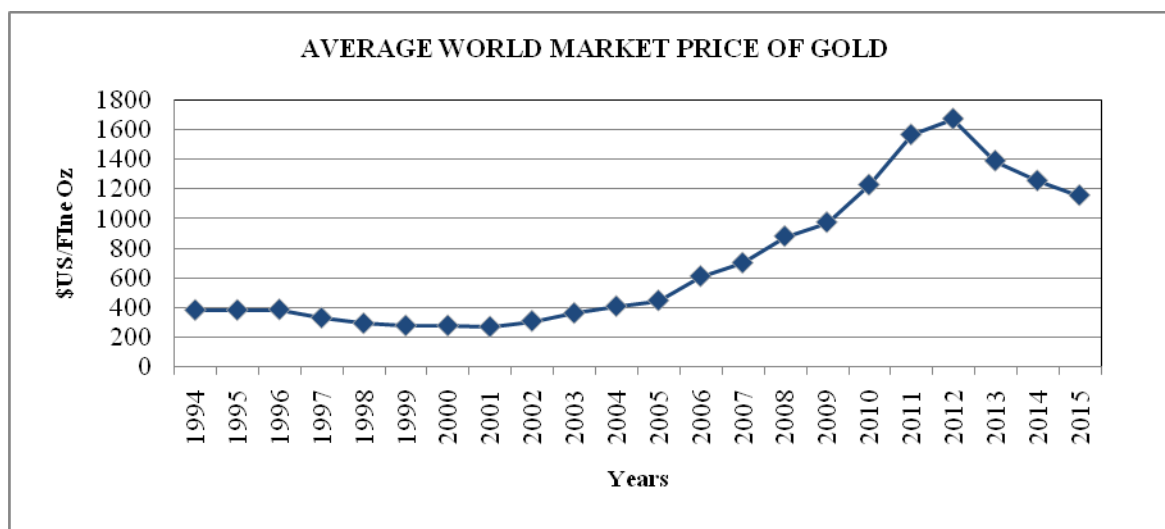

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<sup>1</sup> Extract from the Industrial Production Index (IPI), which constitutes apart from Mining and Quarrying, the Manufacturing and Electricity and Water sectors. Out of a total weight of 100.0 in the IPI, Mining and Quarrying has a weight of 7.8.

## 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
2015	1,160.12

Source: Reserve Bank of Fiji



## APPENDIX VIII: MACROECONOMIC AGGREGATES 1990 – 2015

(\$)

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
2015	189,921,902	119,715,183	70,206,720	40,293,997	17,293,547	12,619,175

