

ECONOMIC SURVEYS

ELECTRICITY

2013

DECEMBER 2014

Published in December by the

Fiji Bureau of Statistics

P. O. Box 2221

Government Buildings

Suva

Republic of Fiji

Reproduction of Material

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

ISSN 1996-8183

Key title: Economic surveys. Electricity ...

Abbreviated key title: Econ. surv., Electr.

© **Fiji Bureau of Statistics**

Printer:

Enquiries:

Fiji Bureau of Statistics
Ratu Sukuna House
MacArthur Street
Suva
Fiji

P O Box 2221
Government Buildings
Suva
Fiji

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

PREFACE

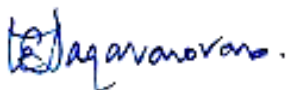
The report provides information on the electricity industry in 2013. The activities covered include power generation, transmission and distribution. The important numbers presented are the macro-economic aggregates such as Gross Output, Intermediate Consumption, Value Added, Compensation of Employees, Consumption of Fixed Capital and Gross Fixed Capital Formation. 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 country's economy.

The amount of electricity produced in a given year mirrors the level of economic activity while the estimated Gross Fixed Capital formation reflects investment levels in the industry. 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 electricity industry would be useful to a good number of users, for instance the;

- 1) Energy Planner who needs to advice on the country's energy needs.
- 2) Economic Planner who uses the data to forecast the economy's performance.
- 3) Investor who wishes to identify opportunities in the Electricity Industry.

The cooperation of those 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
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
EPI	Electricity Production Index ¹
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

¹ Forms part of the Industrial Production Index

CONTENTS

	<u>Page No</u>
1 INTRODUCTION	
1.1 History of Surveys Undertaken	1
1.2 Need for statistics relating to Electricity	1
2 METHODOLOGY	
2.1 Legal Basis	1
2.2 Coverage and Scope	1
2.3 Statistical Unit	1
2.4 The Frame	2
2.5 Questionnaire Design	2
2.6 Data Collection and Survey Procedures	2
2.7 Data Processing	2
2.8 Reference Period	2
2.9 Non-responding Establishments	2
3 RESULTS	
3.1 The Survey Response	3
3.2 Legal Status of Establishments	3
3.3 Ownership of Establishments	3
3.4 Size of Establishments	4
3.5 Number of Persons Engaged as at 30 June 2013	4
3.6 Macroeconomic Aggregates	4
3.7 Gross Fixed Capital Formation	5
3.8 Average Turnover per Establishment	5
3.9 Average Turnover per Paid Employee	5
3.10 Average Compensation of Employees per Paid Employee	6
3.11 Data Analysis	6

STATISTICAL TABLES

Table No

1	The Survey Response	3
2	Legal Status of Establishments	3
3	Ownership of Establishments	3
4	Size of Establishments	4
5	Number of Persons Engaged as at 30 June 2013	4
6	Macroeconomic Aggregates	4
7	Gross Fixed Capital Formation	5
8	Average Turnover per Establishment	5
9	Average Turnover per Paid Employee	5

Contents Continued....

Contents Continued...

10	Average Compensation of Employees per Employ	6
11	Data Analysis	
	2013 Results Compared with 2012 Results	6

LIST OF APPENDICES

Appendix No

I	Concepts and Definitions	7
II	Industrial Classification Used	9
III	Composition of Macroeconomic Aggregates	10
IV	Sample Questionnaire	12
V	Sales of Electricity 2000 – 2013	23
VI	Annual Electricity Production Index	24
VII	Quarterly Electricity Production Index	25
VIII	Value Added 1985 – 2013	26

1 INTRODUCTION

1.1 History of Surveys Undertaken

This report contains the results of the survey carried out for Electricity for 2013.

The first economic survey of the electricity sector was done in 1969 and was combined with the study of the mining and quarrying and manufacturing 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 electricity sector are being produced solely on its own under the title “Economic Surveys: Electricity”.

1.2 Need for statistics relating to Electricity

Electricity production and generation is an important 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 electricity 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 electricity 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 the electricity industry find the data helpful in assessing the future direction of their business.

2 METHODOLOGY

2.1 Legal Basis

The surveys were 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 2013 survey covered all establishments operating in the electricity industry defined by the Fiji Standard Industrial Classification (FSIC) 2010 Section D.

The businesses in the electricity industry include the generation of bulk electric power, transmission from generating facilities to distribution centers and distribution to end users (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 electricity industry in 2013 was the list of establishments maintained by the Fiji Bureau of Statistics (FBoS). This list is known as the Business Register (BR), which is kept updated on the basis of information supplied to the FBoS by the Fiji Revenue and Customs Authority, Registrar of Companies and the City and Town Councils.

2.5 Questionnaire Design

The questionnaire used for surveying the electricity industry called for information on the particulars of the establishment e.g type of organisation; income; expenditure; stocks and employment.

2.6 Data Collection and Survey Procedures

The questionnaires were posted on 2nd May, 2014 and replies were required within a month. Response by the due date was low; therefore personal visits were made to provide assistance in filling out the questionnaires.

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 2013. 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.

2.9 Non-responding Establishments

All the establishments operating in the electricity industry responded.

3 RESULTS

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

3.1 The Survey Response

Table 1: The Survey Response

FSIC 2010		SURVEY FRAME	RETURNS RECEIVED	RESPONSE RATE %
SUB-CLASS	ACTIVITY			
35101	Electricity power generation, transmission and distribution	17	17	100

3.2 Legal Status of Establishments

Table 2: Legal Status of Establishments

FSIC 2010		Sole Trader	Partnership	Private Limited Company	Public Limited Company	Co-operative	Government Owned Trading Entity	Other Business Type (specify)	Total
SUB-CLASS	ACTIVITY								
35101	Electricity power generation, transmission and distribution	0	0	4	0	0	13	0	17

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				
35101	Electricity power generation, transmission and distribution	14	0	3	17

3.4 Size of Establishments

Table 4: Size of Establishments

FSIC 2010		NUMBER OF PERSONS ENGAGED						
SUB-CLASS	ACTIVITY	1-4	5-9	10-19	20-49	50-99	100+	TOTAL
35101	Electricity power generation, transmission and distribution	3	3	3	4	1	3	17

3.5 Number of Persons Engaged as at 30 June 2013

Table 5: Number of Persons Engaged as at 30 June 2013

FSIC 2010		TOTAL WORKING WITH PAY	GENDER		
SUB-CLASS	ACTIVITY		MALES	FEMALES	TOTAL
35101	Electricity power generation, transmission and distribution	780	662	118	780

3.6 Macroeconomic Aggregates

Table 6: Macroeconomic Aggregates (\$000)

FSIC 2010		GO	IC	VA	COE	CFC	OS
SUB-CLASS	ACTIVITY						
35101	Electricity power generation, transmission and distribution	304,952	182,543	122,409	19,839	36,914	65,656

3.7 Gross Fixed Capital Formation

Table 7: Gross Fixed Capital Formation (\$000)

TYPE OF CAPITAL FORMATION	FSIC 2010 SUB -CLASS	TOTAL
	35101	
Land	43	43
Buildings	8	8
Plant and machinery	12,842	12,842
Furniture, fixtures and office equipment	1,476	1,476
Transport vehicle and related equipment	0	0
Wind Mill	0	0
Dam tunnels	0	0
Others	50	50
GROSS FIXED CAPITAL FORMATION	14,419	14,419

3.8 Average Turnover per Establishment

Table 8: Average Turnover per Establishment

FSIC 2010		ESTABLISH- MENTS	INCOME FROM SALES OF ELECTRICITY	AVERAGE TURNOVER PER ESTABLISHMENT
SUB- CLASS	ACTIVITY	NUMBER	\$000	\$000
35101	Electricity power generation, transmission and distribution	17	301,020	17,707

3.9 Average Turnover per Paid Employee

Table 9: Average Turnover per Paid Employee

FSIC 2010		INCOME FROM SALES OF GOODS AND SERVICES	PAID EMPLOYEE	AVERAGE TURNOVER PER PAID EMPLOYEE
SUB- CLASS	ACTIVITY	\$000	NUMBER	\$000
35101	Electricity power generation, transmission and distribution	301,020	780	386

3.10 Average Compensation of Employees per Paid Employee

Table 10: Average Compensation of Employees per Paid Employee

FSIC 2010		COMPENSATION OF EMPLOYEES	PAID EMPLOYEE	AVERAGE COMPENSATION PER PAID EMPLOYEE
SUB-CLASS	ACTIVITY	\$000	NUMBER	\$000
35101	Electricity power generation, transmission and distribution	19,839	780	25

3.11 Data Analysis

Table 11: 2013 Results Compared with 2012 Results

AGGREGATES	2012		2013		Percentage change
	\$000	aggregates expressed as % of GO	\$000	aggregates expressed as % of GO	
GO	305,745		304,952		-0.26
IC	184,925	60.48	182,543	59.86	-1.29
VA	120,820	39.52	122,409	40.14	1.32
COE	19,339	6.33	19,839	6.51	2.59
CFC	35,213	11.52	36,914	12.11	4.83
OS	66,268	21.67	65,656	21.53	-0.92
GFCF	348,386		14,419		-95.86
NUMBER OF PERSONS ENGAGED	766		780		1.83

For supplementary information on the electricity statistics reference can be made to Appendix I for the Concepts and Definitions, Appendix II for the Industrial Classification Used, Appendix III for the Composition of Macroeconomic Aggregates, Appendix IV for the Sample Questionnaire, Appendix V for the Sales of Electricity, Appendix VI for the Annual Electricity Production Index, Appendix VII for the Quarterly Electricity Production Index and Appendix VIII for Value Added 1985 – 2013.

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.

<i>Compensation of Employees</i>	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 social security and pension and payments in kind.
<i>Consumption of Fixed Capital</i>	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.
<i>Employees</i>	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, including persons on sick leave, holiday or vacation. Also included are salaried managers, and directors of incorporated businesses except when paid solely for their attendance at board of directors meetings. This category excludes working proprietors and unpaid family workers.
<i>Establishment</i>	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.
<i>Fixed Assets</i>	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.
<i>Foreign Owned</i>	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 of its equity is held abroad.
<i>Government Owned Entities</i>	These include commercial companies and commercial statutory authorities either wholly owned by Government or in which the Government has a majority shareholding.
<i>Gross Fixed Capital Formation</i>	This is the outlay on new and second-hand durable goods less their sales plus their own account capital construction work done.
<i>Gross Output</i>	This is the gross value of all goods and services produced during the

accounting period, the value of own account capital construction and other income.

<i>Intermediate Consumption</i>	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.
<i>Local Owned</i>	All companies with 51 per cent or more of its equity held in Fiji are considered locally owned.
<i>Operating Surplus</i>	This is the excess of value added by producers over compensation of employees, consumption of fixed capital and net indirect taxes.
<i>Payments in kind</i>	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.
<i>Persons Engaged</i>	This is defined as the total number of persons who worked in or for the establishment during the reference period, including working proprietors, active business partners, unpaid family workers and regular paid workers.
<i>Statistical Unit</i>	Statistical unit is the Unit for which information is collected.
<i>Unpaid Family Workers</i>	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.
<i>Value Added</i>	Value added is the difference between the gross output and the intermediate consumption. It provides a useful way of measuring without duplication the economic importance of an industry or industrial sector.
<i>Working Proprietors</i>	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

Only electricity from SECTION D: ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY of 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.

ELECTRICITY includes the activity of providing electric power through a permanent infrastructure (network) of lines, mains and pipes. The dimension of the network is not decisive; also included are the distribution of electricity in industrial parks or residential buildings. This section therefore includes the operation of electric utilities, which generate, control and distribute electric power.

DIVISION	GROUP	CLASS	SUB-CLASS	DESCRIPTION
35				ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY
	351	3510	35101	Electric power generation, transmission and distribution This sub-class includes the generation of bulk electric power, transmission from generating facilities to distribution centers and distribution to end users: -operation of generation facilities that produce electric energy, including thermal, hydroelectric, gas turbine, diesel and renewable -operation of transmission systems that convey the electricity from the generation facility to the distribution system -operation of distribution systems (i.e. consisting of lines, poles, meters, and wiring) that convey electric power received from the generation facility or the transmission system to the final consumer -sale of electricity to the user -activities of electric power brokers or agents that arrange the sale of electricity via power distribution systems operated by others -operation of electricity and transmission capacity exchanges for electric power This sub- class excludes: -production of electricity through incineration of waste, see 38201

**APPENDIX III COMPOSITION OF MACROECONOMIC
AGGREGATES (\$000)**

FSIC SUB-CLASS 35101	
INCOME	
Primary Activity	301,020
Sales	301,020
Secondary Activity	3,932
Fuel rebates	0
Contract sales	1,048
Subsidies received	856
Business insurance claims received	229
Rent received for hire of building, plant & machinery	166
Training rebates	49
Receipts from industrial services rendered to others	0
Services & license fees	649
Power poles rentals	579
Others	356
Gross Output	304,952
Miscellaneous Income	50,521
Fuel surcharge	0
Casualty insurance	0
Profit or Loss received from any other business	0
Property income received	
Rent received from land	0
Interest received	331
Dividends received	0
Royalty received	0
Bad & doubtful debts recovered	16
Exchange gain	593
Gain on sales of fixed assets	492
VAT charged on goods and services provided	49,089
TOTAL INCOME	355,473
EXPENDITURE	
Expenditure ²	135,250
Fuel, electricity and water	2,773
Opening stock of materials, fuel and supplies	21,281
Less closing stock of materials, fuel and supplies	21,296

² Includes expenditure on materials used for the generation, transmission or distribution of electricity.

Current repairs & maintenance on buildings, motor vehicles & machinery & equipment	27,489
Cartage and haulage	139
Travel expenses	677
Value of contract and commission work done	1,380
Audit, accounting & legal fee	103
Advertising & promotion	81
Bank charges	150
Postage, telephone & telecommunications	1,260
Office stationery & supplies	478
Rent paid for furniture, building, plant & machinery	236
Management & consultation fees	447
Business insurance	6,696
All other costs	5,399
<i>Intermediate Input</i>	182,543
Miscellaneous Expenditure	55,971
Casualty insurance	0
Property income paid	
Rent paid for land	1,030
Interest paid	17,718
Dividend paid	0
Royalty paid	323
Bad & doubtful debts written off	136
Business licenses, rates on property paid to central or local government	116
TPAF levy	5
Exchange losses	2,982
Loss on sale of fixed assets	0
VAT paid on supplies of goods and services	33,661
<i>Compensation of employees</i>	19,839
Wages & Salaries paid ³	19,839
<i>Consumption of fixed capital</i>	36,914
TOTAL EXPENDITURE	295,267

³ Includes contributions to the Fiji National Provident Fund and payments in kind.

NOTE: Under the Fiji Standard Industrial Classification 2010's Section D Electricity includes the generation of bulk electric power, transmission from generating facilities to distribution centers and distribution to end users.

ORGANISATIONAL STRUCTURE

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

FORM OF OWNERSHIP

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

EQUITY PARTICIPATION

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

NATURE OF WORK

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

OPERATING STATUS

7 If you are no longer in business, a **STATUTORY DECLARATION** must be attached to one copy of the questionnaire with the words "**CLOSED BUSINESS**" written across the questionnaire and returned to the Fiji 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 2013 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

1	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)
	Note: 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:			
	Remark: Please comment here to assist in the interpretation of data supplied:			

ACCOUNTING PERIOD

2	Please state the accounting period: From \ \2013 To \ \2013			
----------	---	--	--	--

LEGAL STATUS OF ORGANISATION

		Please tick appropriate box			
3		1	Partnership	2	
	001	3	Public Limited Company	4	
		5	Government Owned Trading Entity	6	
		7	Central Government	8	
		9	Local Government	10	
		11	Non-profit organization	12	
		13	Consulates and Foreign	14	
		15	Societies and Associations	16	
		20	Other Business Type (specify)		

FORM OF OWNERSHIP

4		Please tick appropriate box			
	002	1	Branch of an overseas company	2	
		3	Others (specify)	4	

EQUITY PARTICIPATION

5	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

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

OPERATING STATUS

7	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

ELECTRICITY SALES AND OTHER INCOME DERIVED DURING THE ACCOUNTING YEAR

8 This refers to the sale of electricity generated 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.

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

OTHER INCOME

12 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.

14 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].

19 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.

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

ELECTRICITY SALES AND OTHER INCOME DERIVED DURING THE ACCOUNTING YEAR

8	Please state the sales value of electricity generated by your establishment.				
	DESCRIPTION OF PRODUCT		LOCAL MARKET SALES		TOTAL SALES
			QUANTITY AND UNITS	VALUE (\$)	VALUE (\$)
			(1)	(2)	(3)
a]	Commercial	004			
b]	Industrial	007			
c]	Domestic	010			
d]	Others	013			
	Total sales	016			

OTHER INCOME

			VALUE (\$)
9	Surcharge	017	
10	Discount	018	
11	Subsidies and grants received	019	
12	Insurance claims received: a] Business insurance claims received	020	
	b] Casualty insurance claims received	021	
13	Profit or loss received from any other business in which you have an interest	022	
14	Rent received for the hire of building, plant and machinery, furniture and fixtures, transport vehicles and related equipment	023	
15	Income from: a] Rent received from land	024	
	b] Interest received	025	
	c] Dividends received	026	
	d] Royalty received	027	
16	Bad and doubtful debts recovered	028	
17	Exchange gain	029	
18	Gain on sale of fixed assets	030	
19	Sales of goods not manufactured by your own establishment (see question 54)	031	
20	Commissions received	032	
21	Receipts from industrial services rendered to others:		
	a] Plant and equipment hire	033	
	b] Repairs and maintenance to: i] Plant, machinery and equipment	034	
	ii] Others	035	
	c] Transport and related services	036	
22	Service and licence fees	037	
23	Power pole rentals	038	
24	Training rebates	039	
25	Others (specify). _____ _____ _____	040	
	Total other income (Codes 017 - 040)	041	
26	VAT charged on goods and services provided	042	
27	GRAND TOTAL OF ALL INCOME RECEIVED (Codes 016 + 041 + 042)	043	\$

PURCHASES OF MATERIALS AND OPERATING EXPENDITURE

28 State in detail the total value and quantity of all purchases of material and supplies during the year for use in the generation 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 37.

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 68.

Exclude all purchases of: Machinery and plant and other capital equipment purchased by you which should be included in question 68.

Exclude VAT paid on supplies of goods and services.

FUEL, ELECTRICITY AND WATER

30-33 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.

34-35 State the total value of electricity and water purchased by your establishment for the production process.

OTHER EXPENDITURE

37 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.

38 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.

40 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.

47 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.

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 MANFT (5)	FROM OTHERS (6)	TOTAL (7)	
28	Electricity	044								
29	Others (specify).	051								
		058								
		065								
		072								
	Total	079								

FUEL, ELECTRICITY AND WATER

Please state the expenditure incurred on fuel, electricity and water			VALUE (\$)
30	Petrol/Automotive diesel fuel		084
31	Industrial diesel fuel/Heavy fuel oil		085
32	Kerosene		086
33	Liquid petroleum gas		087
34	Electricity		088
35	Water		089
	Total (Codes 084 to 089)		090

OTHER EXPENDITURE

			VALUE (\$)
36	Donations made		091
37	Repairs and maintenance costs on:	a) Motor vehicles	092
		b) Building	093
		c) Machinery and equipment	094
38	Cartage and haulage expenses paid to other firms		095
39	Travel expenses (eg management, personal etc)		096
40	Value of contract and commission work done		097
41	Audit, accounting and legal fee		098
42	Advertising and promotion etc		099
43	Bank charges		100
44	Postage, telephone and telecommunication etc		101
45	Office stationery and supplies		102
46	Rent paid for furniture, building, plant and machinery etc		103
47	Expenditure on:	a) Rent paid for land	104
		b) Interest paid	105
		c) Dividends paid	106
		d) Royalty paid	107
48	Management and consultation fee		108
49	Bad and doubtful debts written off		109
50	Business licenses, rates on property paid to central or local government etc		110
51	Insurance paid:	a) Business insurance	111
		b) Casualty insurance	112
52	Training and Productivity Authority of Fiji [TPAF] Levy		113
53	Exchange losses		114
54	Fixed asset expenses:	a) Loss on sale of fixed assets	115
		b) Depreciation claimed (to agree with question 68(7))	116
55	Cost of goods purchased for resale (see question 17)		117
56	All other costs and expenses		118
	Total other expenditure (Codes 091 to 118 excluding 106)		119

57 Please note that the information in respect of employment is for the last payweek in June 2013 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

- 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.

NET EARNINGS AND TAXES PAID

- 64 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 has been entered onto the questionnaire:

	Income [Code 043 + 151(3)]	\$
less	Expenditure [Code 138]	\$
equals	Profit (+)\Loss (-) [Code 154]	\$

EMPLOYMENT AND COMPENSATION OF EMPLOYEES

57			NUMBER EMPLOYED	GROSS WAGES AND SALARIES PAID	EMPLOYER'S CONTRIBUTIO N TO FNPF ETC	PAYMENT IN KIND
			(1)	(2)	(3)	(4)
a)	Fiji citizens	120				
b)	Expatriates	124				
	Total	128				
c)	Working without pay					
	i) Working proprietors	132				
	ii) Unpaid family workers	133				
	Total (Codes 128 (1) + 132 + 133)	134				
d)	From the total number in employment given in code 121, please state:					
	Total Males	135	Total Females	136		

58	VAT paid on supplies of goods and services	137
----	--	-----

59	GRAND TOTAL OF ALL EXPENDITURE INCURRED [Codes 066(7)+077+106+115 (2, 3, 4)] + 124	138	\$
----	---	------------	-----------

STOCKS

			VALUE OF STOCKS (\$)		
			OPENING (1)	CLOSING (2)	CHANGE (2)-(1)=(3)
60	Finished goods produced by the establishment and intended for sale	139			
61	Work-in-progress	142			
62	Finished goods bought for resale	145			
63	Materials, fuels, supplies and components	148			
	Total	151			

NET EARNINGS AND TAXES PAID

			Amount (\$)
64	Net profit\loss of your establishment\enterprise. If this does not agree with question 64, please give reasons – <i>The profit is at VEP (does not include VAT receivable)</i> _____	154	
65	Taxable income of your establishment\enterprise	155	
66	Amount, if any, of previous year losses that was deducted before arriving at the taxable income	156	
67	Amount of Fiji Income Tax paid\payable by your establishment\enterprise.	157	

FIXED CAPITAL ASSETS

- 68 Please ensure that:
- The value given for depreciation should agree with the value given in question 54 b].
- 68 (5) This is the cost of new fixed assets and additions to the existing fixed assets made by the establishments own labour for its own use. Cost should be equivalent to labour costs plus value of materials at cost.

FIXED CAPITAL ASSETS

68			VALUE (\$)							
			Opening book value	Purchase of new and second hand assets at cost		Land Development & Improvement	Category Transfer In/(out) of Assets	Sales of Capital Assets	Depreciation	Closing Book value
				Locally	from abroad					
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
a]	Land	158								
b]	Non- residential Buildings	166								
	Residential Buildings	174								
c]	Other structures: - Dams, tunnels - Wind Mill	182								
d]	Plant & machinery	190								
e]	Furniture, fixtures and office equipment	198								
	ICT equipments	206								
	Other office equipment	214								
f]	Transport vehicles and related equipment	222								
g]	Research & Development	230								
h]	Valuables (Antiques, Artistic Originals Precious Metal, etc)	238								
i]	Others (specify)	246								
	Total	254								

Signature of person completing the questionnaire: _____ Date _____

Name _____

Position _____

Telephone No _____ Fax No _____

Email _____

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

THANK YOU FOR COMPLETING THE QUESTIONNAIRE

APPENDIX V

SALES OF ELECTRICITY⁴ 2000 – 2013

Period	INDUSTRIAL SALES		COMMERCIAL SALES		DOMESTIC SALES		OTHER		TOTAL SALES	
	000 Kwh	F\$000	000 Kwh	F\$000	000 Kwh	F\$000	000 Kwh	F\$000	000 Kwh	F\$000
2000	na	na	205,437	42,201	135,769	27,971	151,385	27,207	492,591	97,379
2001	na	na	220,135	45,384	143,990	29,885	251,435	30,861	615,560	106,130
2002	na	na	260,470	47,649	164,250	33,521	233,312	31,079	658,032	112,249
2003	163,915	21,572	240,691	49,465	154,153	32,035	101,355	11,134	660,114	114,206
2004	169,108	22,364	261,988	53,890	172,794	35,796	97,340	10,250	701,230	122,300
2005	164,989	23,385	275,769	60,426	187,317	39,147	93,185	10,846	721,260	133,804
2006	186,496	34,697	321,950	69,360	227,177	44,823	na	1,093	735,623	149,973
2007	195,133	34,145	332,657	68,477	239,030	44,229	na	868	766,820	147,719
2008	189,697	35,872	339,337	75,457	240,407	47,357	na	750	769,441	159,436
2009	183,745	37,877	343,045	81,642	240,057	48,588	na	942	766,847	169,049
2010	210,482	49,668	372,552	114,810	252,135	61,052	na	1,408	835,169	226,938
2011	218,079	71,413	372,192	137,718	246,910	76,500	na	3,147	837,181	288,778
2012	191,737	74,303	326,206	138,831	201,209	70,458	12,480	6,860	731,632	290,452
2013	202,223	78,819	349,029	140,844	216,175	69,279	12,646	3,974	780,073	292,916

⁴ This data is based on collections from bills paid to FEA and will therefore differ from the sales data given in Table 4: Macroeconomic Aggregates

APPENDIX VI

ANNUAL ELECTRICITY PRODUCTION INDEX⁵

[Base Average 4 = Quarters 2008 = 100.0]

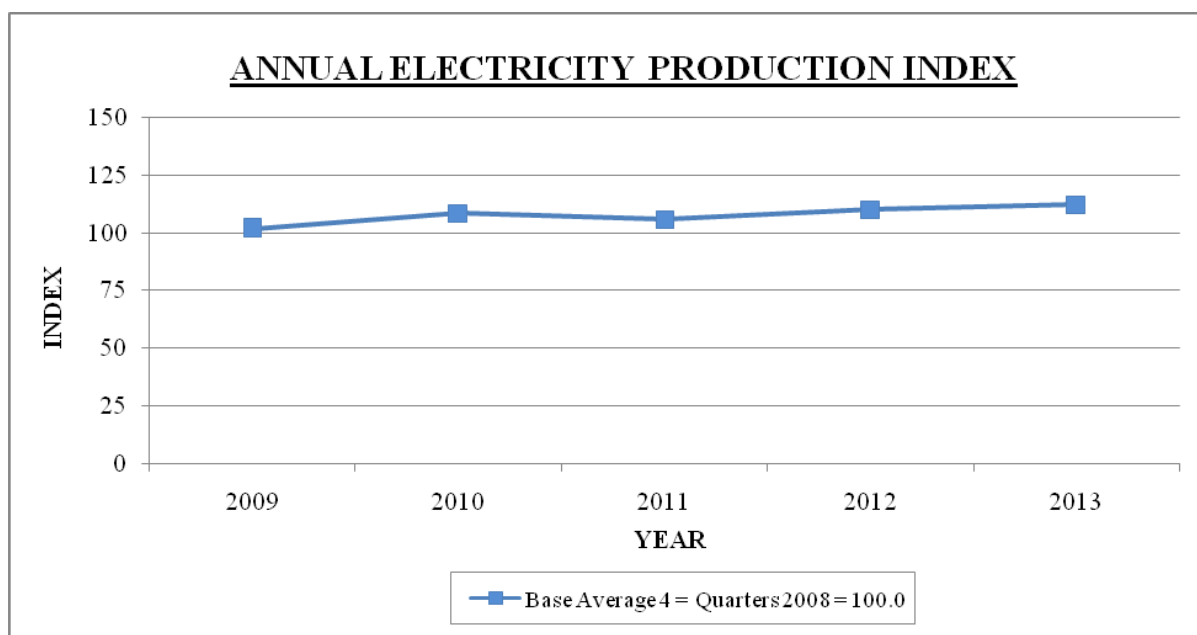
FSIC 2010	Weight	2009	2010	2011	2012	2013
35101	7.0	102.0	108.5	106.0	110.1	112.3

Notes:

- The base of the index is 2008 = 100.0 and Laspeyre's formula is used
- Electricity generated by Fiji Sugar Corporation for its own consumption is included

Source:

- Monthly returns submitted by Producers



⁵ Extracted from the Industrial Production Index (IPI), which constitutes apart from Electricity; Mining and Quarrying and Manufacturing sectors also. Out of a total weight of 100.0 in the IPI, Electricity has a weight of 7.0.

APPENDIX VII

QUARTERLY ELECTRICITY PRODUCTION INDEX⁵

[Base: Average 4 Quarters 2008 = 100.0]

FSIC 2010	Weight	PERIOD				
			Mar	Jun	Sep	Dec
35101	7.0					
		2009	105.8	103.4	99.1	99.7
		2010	112.3	113.8	114.4	93.5
		2011	112.3	108.2	98.1	105.5
		2012	109.8	110.8	112.4	105.6
		2013	114.0	114.5	105.6	115.0

Notes:

- The base of the index is 2008 = 100.0 and Laspeyre's formula is used
- Electricity generated by Fiji Sugar Corporation for its own consumption is included

Source:

- Monthly returns submitted by Producers

APPENDIX VIII VALUE ADDED 1985 – 2013

The table gives data on VA from 1985 to 2013 in dollar value and percentage change compared to the previous year.

YEAR	VA \$000	% Change
1985	32,944	
1986	34,178	3.75
1987	39,941	16.86
1988	45,681	14.37
1989	47,129	3.17
1990	42,625	-9.56
1991	67,986	59.50
1992	80,007	17.68
1993	75,813	-5.24
1994	73,819	-2.63
1995	70,013	-5.16
1996	67,296	-3.88
1997	69,257	2.91
1998	69,381	0.18
1999	80,034	15.35
2000	64,034	-19.99
2001	62,712	-2.06
2002	74,350	27.75
2003	64,419	-13.36
2004	52,561	-18.41
2005	53,983	2.70
2006	28,657	-47.01
2007	58,266	103.31
2008	33,365	-42.74
2009	57,671	72.85
2010	84,469	46.47
2011	113,732	34.64
2012	120,820	6.23
2013	119,663	-0.96

