



Energy Fiji Limited

TENDER NO.: MR12/2021

**SPECIFICATION FOR THE SUPPLY OF
LUBRICANT AND TRANSFORMER OILS**

1.0 Introduction

Energy Fiji Limited (hereinafter referred to as “EFL”) invites tenders for the supply of Lubricant and Transformer Oils for a contract period of three (3) years. Appendix B of this document provides a list of lubricating oils and volume usage.

1.1 EFL Delivery Points

Currently Energy Fiji Limited has power stations and/or depots at the following locations which shall be the point of delivery of the products as and when required. Deliveries shall always be made during normal working hours or after hours as may be required.

1.1.1 Viti Levu

1. Vuda Power Station
2. Nadi Power Station
3. Sigatoka Power Station
4. Kinoya Power Station
5. Deuba Power Station
6. Rokobili Power Station
7. Monasavu Depot
8. Rakiraki Power Station
9. Korovou Power Station
10. Qeleloa Power Station
11. Wailoa Power Station
12. Nadarivatu Power Station

1.1.2 Vanua Levu

13. Labasa Power Station
14. Savusavu Power Station
15. Wainiqueu Power Station

1.1.3 Ovalau

16. Levuka Power Station

1.1.4 Taveuni

17. Somosomo Power Station
18. Waiyevo Power Station

All plants/generator sets at each site are detailed in Appendix A.

2.0 General Requirements

2.1 Lubricating Oil Containers

All supplies of lubricating oils shall be in properly sealed containers in sound condition and volumes should be provided in bulk with relevant dispensing equipment. EFL retains the right to return any product not complying with the above or found to be contaminated, to the successful tenderer at the successful tenderers cost.

2.2 Delivery

The successful tenderer shall deliver to EFL, lubricating oils at its Power Stations situated in Viti Levu, Vanua Levu, Ovalau and Taveuni as detailed in 1.1.1, 1.1.2, 1.1.3, 1.1.4 above.

2.3 Power Plant & Lubes Details

Appendix A provides details about the types of engines and other plants. EFL would welcome any alternative or equivalent product; provided there is adequate technical data supporting the alternative offer is given and accepted by the equipment manufacturer. Preference will also be given for products which could be used instead of a number of other products to streamline and minimize the range of products to be held by EFL. In this regard, it would be in the interest of tenderers to provide information on any additional service that will be beneficial to EFL.

2.4 Annual Consumption

The average annual consumption of lubricants and transformer oils is given in Appendix B. The usage figures for lubricating oils at the various Power Stations are given for the years 2018, 2019 and 2020.

2.5 Tendered Pricing Format

Appendix C includes a Price schedule to be completed by the bidder.

Details must be provided including:

- (i) Method of proposed supply
- (ii) Price per litre or kg in different pack sizes (Bulk, IBC, 205 Litres, 20litres, 5 litres for lubricating oils and 180kg, 20kg, 2.5kg for greases) delivered at Viti Levu sites, Labasa, Savusavu, Ovalau, Taveuni and free from any other charge and costs. These prices must remain fixed and subject for a review as per the Price Review Mechanism (Section 2.6). Any changes in prices shall be mutually agreed by the supplier and EFL before it is implemented.
- (iii) The tenderer will need to submit a proposal on how to implement their lubricant products to existing systems and indicate costs involved together with a responsibility matrix.
- (iv) A drum deposit **will not** be applicable
- (v) The tenderer may specify the method of supply for bulk delivery for any specific product and associated bulk dispensing equipment.
- (vi) The tenderer must specify any additional lubricant dispensing equipment they could supply and associated backup services.
- (vii) The tenderer shall specify oil analysis services and turnaround times for the sample analysis reports.
- (ix) The tenderer must specify any additional value adding services (such as Technical Training, Lube surveys, Site Waste oil removal, Provision of spill kits, Product Tests, etc.) to be provided during the course of the contract.

2.6 Price Review Mechanism

The pricing for the lubricating oils are divided into three (3) cost components and shall be reviewed on a periodic basis as tabulated below:

Cost Component	Composition on Price	Reviewed
1. Base Oil	65%	Quarterly (every 3 months)
2. Additives	15%	Quarterly (every 3 months)
3. Others	20%	Annually

The Quarterly price review based on movement of Base Oil Costs and Additives

The successful tenderer must provide the preceding three (3) month data for price movements to the base oils (SN100, SN150, and BRT) and additives. A change in price only to be triggered by a variance in price movement by 5% (up or down) of the average base oil and additive cost versus the previous quarter.

Annual price review based on “Others”

Annual increase to this component (20%) in accordance to half of the change in local Consumer Price Index (CPI) factor as published by the Reserve Bank of Fiji, in line with the “Onshore Cost Component” review of the EFL IDO price.

2.7 Transformer Oil

The successful tenderer shall deliver to EFL, Transformer Oils in 205 litre drums, to its two main sites at Navutu Depot, Lautoka and Kinoya Stores, Suva.

2.7.1 The transformer oil to be supplied under this tender shall be to current British Standards 148, SAA AS1767 and IEC60076 standards.

2.7.2 Usage of Transformer Oils for the year 2018, 2019 and 2020 in litres is given in the table below:

Year	Usage (Litres)
2018	17,056
2019	13,728
2020	10,816

3.0 Other Value Adding Services

The tenderers are required to list all services (HSE training, surveys, testing, product training and oil analysis, management training, plans for new storage facility, etc.) they are prepared to provide in the way of technical, management and proactive customer services as these will be taken into account when tenders are being evaluated.

4.0 Clarifications

A prospective bidder requiring any clarification may notify EFL in writing via email addressed to:

Jitendra Reddy
Unit Leader Procurement & Inventories
2 Marlow Street,
Suva, Fiji
Phone: +679 3224 360
Email: JReddy@efl.com.fj

Appendix A: Details of Power Station Generator Sets

No	Station	Set	Make	Model	Speed RPM	Installed Capacity
1	Wailoa	1	TIBB (Milano)-Pelton Wheel	Hydro	750	20.80
		2	TIBB (Milano)-Pelton Wheel	Hydro	750	20.80
		3	TIBB (Milano)-Pelton Wheel	Hydro	750	20.80
		4	TIBB (Milano)-Pelton Wheel	Hydro	750	20.80
2	Wainikasou	1	Frances Turbine	Hydro	1500	3.30
		2	Frances Turbine	Hydro	1500	3.30
3	Nagado	1	Pelton Wheel	Hydro	1500	2.80
4	Butoni Wind Farm	37	GEV MP Vergnet SA	Wind		9.80
5	Nadarivatu	1	Pelton Wheel	Hydro	750	22.00
		2	Pelton Wheel	Hydro	750	22.00
6	Vuda IDO	1	Mirrlees Blackstone	KV16	500	5.74
		2	Mirrlees Blackstone	KV16	500	5.74
	Vuda - HFO	3	Wartsila	18V32LN	750	6.30
		4	Wartsila	20V32LN	750	6.30
	New Vuda G1-HFO	1	Wartsila	20V32LN	750	9.78
7	Nadi	1	Caterpillar	CAT3516 DITA	1500	1.40
		2	Caterpillar	CAT3516 DITA	1500	1.40
		3	Cummins	QSK60	1500	1.60
		7	Cummins	KTA50	1500	1.00
		8	Cummins	KTA50	1500	1.00
8	Qeleloa	1	Caterpillar	CAT 3516 EFI	1500	1.40
		2	Cummins	KTA50	1500	1.00
		3	Cummins	KTA50	1500	1.00
9	Rakiraki	1	Caterpillar	CAT3516 DITA	1500	1.40
		2	Caterpillar	CAT3516 DITA	1500	1.40
10	Sigatoka	1	Cummins	KTA50	1500	1.00
		3	Caterpillar	CAT3516	1500	1.40
		5	Cummins	QSK60	1500	1.60
		6	Cummins	QSK60	1500	1.60
		7	Cummins	QSK60	1500	1.60
		8	Cummins	QSK60	1500	1.60
		9	Cummins	KTA50	1500	1.00
11	Deuba	4	FG Wilson	P2250-1E	1500	1.60
		5	Cummins	KTA50	1500	1.00
		6	Cummins	KTA50	1500	1.00
12	Old Kinoya Cat-IDO	1	Mak Cat 1	CM32	750	7.45
		2	Mak Cat 2	CM32	750	7.45
		3	Mak Cat 3	CM32	750	7.45
		4	Mak Cat 4	CM32	750	7.45
13	Old Kinoya Wartsila-HFO	8	Wartsila	W38	750	10.33
		9	Wartsila	W38	750	10.33
14	New Kinoya	1	Wartsila	W32	750	8.90
		2	Wartsila	W32	750	8.90
		3	Wartsila	W32	750	8.90
		4	Wartsila	W32	750	8.90
15	Korovou	1	Cummins	KTA50	1500	1.00
		2	Caterpillar	C18	1500	0.50
16	Rokobili	12	Cummins	QSK38	1500	1.00
		13	Cummins	QSK38	1500	1.00
		14	Cummins	QSK38	1500	1.00
		15	Cummins	QSK38	1500	1.00
		16	Cummins	QSK38	1500	1.00

No	Station	Set	Make	Model	Speed RPM	Installed Capacity
17	Labasa	1	Ruston	12RK270	750	2.74
		2	Cummins	KTA50	1500	1.00
		3	Caterpillar	CAT3516	1500	1.60
		4	Caterpillar	CAT3516	1500	1.60
		5	Cummins	QSK60	1500	1.60
		6	Ruston	16RK270	750	3.60
		7	Cummins	KTA50	1500	1.00
		8	Cummins	KTA50	1500	1.00
		9	Cummins	KTA50	1500	1.00
		10	Caterpillar	CAT 3516	1500	1.00
		11	Cummins	QSK60	1500	1.60
		12	Cummins	KTA50	1500	1.00
18	Savusavu	1	Cummins	KTA50	1500	1.00
		2	Caterpillar	CAT3516 DITA	1500	1.40
		3	Caterpillar	CAT3412	1500	0.50
		4	Cummins	KTA 50	1500	1.00
		5	Caterpillar	CAT3516 DITA	1500	1.40
19	Wainiqueu	1	Chinese	Hydro	1000	0.40
		2	Chinese	Hydro	1000	0.40
20	Somosomo	1	Chinese	Hydro	1000	0.35
		2	Chinese	Hydro	1000	0.35
21	Waiyevo	1	Cummins	KTS50	1500	1.00
		2	Cummins	KTA50	1500	1.00
22	Levuka	1	Cummins	QSK23-G3	1500	0.60
		2	Cummins	QSK23-G3	1500	0.60
		3	Cummins	QSK23-G3	1500	0.60
		4	Cummins	QSK23-G3	1500	0.60
		5	Caterpillar	Cat 3412	1500	0.50

Appendix B: Lubricating Oil Usage Volume

#	Item	Annual Volume (Litres)		
		2018	2019	2020
1	DTE Heavy Medium	4,160	9,776	3,120
2	DTE Medium	2,912	-	416
3	DTE Light	2,080	-	3,120
4	Mobilgard 312	20,800	12,480	14,560
5	Mobilgard 412	60,320	43,680	6,240
6	Mobilgard M50	109,200	220,272	308,880
7	Mobil Delvac MX 15W40	85,488	89,024	54,080

No.	Power Station	Mobilgard M50		Mobil Delvac MX 15W40		Mobilgard 412		Mobilgard 312	
		2019	2020	2019	2020	2019	2020	2019	2020
1	Kinoya	184,912	278,720			24,960	6,240		
2	Vuda	35,360	30,160			12,480			
3	Labasa			31,200	18,720			12,480	14,560
4	Savusavu			18,720	14,560				
5	Levuka			13,520	8,320	6,240			
6	Deuba			2,080	2,080				
7	Rokobili			2,080					
8	Sigatoka			12,480	6,240				
9	Nadi			4,160	4,160				
10	Qeleloa			2,080					
11	Korovou			624					
12	Taveuni			2,080					
	Total	220,272	308,880	89,024	54,080	43,680	6,240	12,480	14,560

Appendix C: Price Schedule

No.	Current Product	Proposed Product Name	Pack Size (Litres)	Price (FJ\$ VEP/ Litre)
1	MobilGard M50			
2	Mobil Delvac MX 15W40			
3	MobilGard 312			
4	MobilGard 412			
5	Mobilect 39			
6	DTE Heavy Medium			
7	DTE Medium			
8	DTE Light			
9	LUX EP2			
10	Grease XHP 222			

Tender Form

To: Jitendra Reddy
Unit Leader Procurement & Inventories
Energy Fiji Limited
2 Marlow Street,
Suva,
Fiji Islands
Phone: +679 3224 360
Email: JReddy@efl.com.fj

Sir,

1. Having examined the Tender Document, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply
.....
(*Description of Goods*) in conformity with the said Specification Document for the sum as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Tender.
2. We undertake, if our Tender is accepted, to deliver the Goods in accordance with the delivery schedule specified in the Schedule of Requirements.
4. We agree to abide by this Tender for a period of **90** days from the date for Tender opening, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
5. Until a formal Contract is prepared and executed, this Tender, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.
6. We understand that you are not bound to accept the lowest or any Tender you may receive.

Dated this: day of, 2021.

.....
[Signature] [In the capacity of]

Duly authorized to sign Tender for and on behalf of.....

Submission of Tenders

Two (2) hard copies of the tender bids in sealed envelope shall be deposited in the tender box located at the Supply Chain Office at the EFL Head Office, 2 Marlow Street, Suva, Fiji.

Courier charges for delivery of Tender Document must be paid by the bidders.

This tender closes at 4:00 p.m. (16.00hrs Fiji time) on Wednesday 24th February, 2021.

Each tender shall be sealed in an envelope with:

The envelope bearing only the following marking:

MR 12/2021 – Supply of Lubricants and Transformer Oil for EFL

The Secretary, Tender Committee

Energy Fiji Limited

Supply Chain Office

Private Mail Bag, Suva

It must also indicate the name and address of the tenderer on the reverse of the envelope.

All late tenders, unmarked Envelopes and envelopes without bidder's name and address on the reverse on the envelope will be returned to the Tenderers unopened. (Bids via e-mail or fax will not be considered).

The bidders must ensure that their bid is inclusive of all Taxes payable under Fiji Income Tax Act and must have the most current Tax Compliance Certificate.

For further information or clarification please contact our Supply Chain Office on phone (+679) 3224360 or (+679) 9992400.

Bidders are requested to submit a:

- **Valid Tax Compliance Certificate**
- **Valid FNPF Compliance Certificate**
- **Valid FNU Compliance Certificate**