

Tender for Supply of Outdoor BTS Cabinets and DC Supply System



MR 34/2025

**Supply of Outdoor Base Transceiver Station
(BTS) Cabinets and DC Supply System**

PUBLICITY

NO PUBLICITY OR DETAILS ABOUT THIS PROJECT ARE TO BE DISCLOSED BY ANY BIDDER OR ANY OTHER ASSOCIATED PARTY WITHOUT THE WRITTEN PERMISSION OF EFL PRIOR TO, DURING OR AFTER THE PROJECT IS AWARDED. IN GENERAL ANY PUBLICITY OR MEDIA ENQUERIES WILL BE DEALT WITH BY EFL.

ALL THOSE WHO REQUEST TO UPLIFT A COPY OF THIS TENDER HAVE AGREED NOT TO DISCLOSURE ANY INFORMATION REGARDING THIS TENDER.

Glossary

- i. EFL – Energy Fiji Limited
- ii. CBM – stands for "cubic meter" in shipping. This measurement is calculated by multiplying the width, height and length together of one's carton.
- iii. DIFOTIS - Delivery in Full on Time in Spec
- iv. VAT – Value Added Tax
- v. VIP – VAT Inclusive Price
- vi. SBA – Strategic Business Area

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1. GENERAL

1.1 The Company - EFL

Energy Fiji Limited (EFL) is a public company limited by shares is solely responsible for supplying power throughout the Fiji Islands. Power is supplied through Hydro, Diesel and wind mill generators located in different parts of Fiji.

The operations of the company are organized into three geographically defined divisions, which correspond to the national administrative divisions. These divisions are:

- Central Eastern Division based in the capital Suva
 - Suva, Lami, Navua, Tailevu, Levuka and part of the Coral Coast
- Western/Northern Division based in Lautoka
 - Lautoka, Tavua, Ba, Sigatoka, Vatukoula, Northern Division (Labasa, Savusavu, Taveuni)

EFL provides electricity services to most parts of the country especially in the Viti Levu and Vanua Levu area and its electricity grid is shown in the map below.

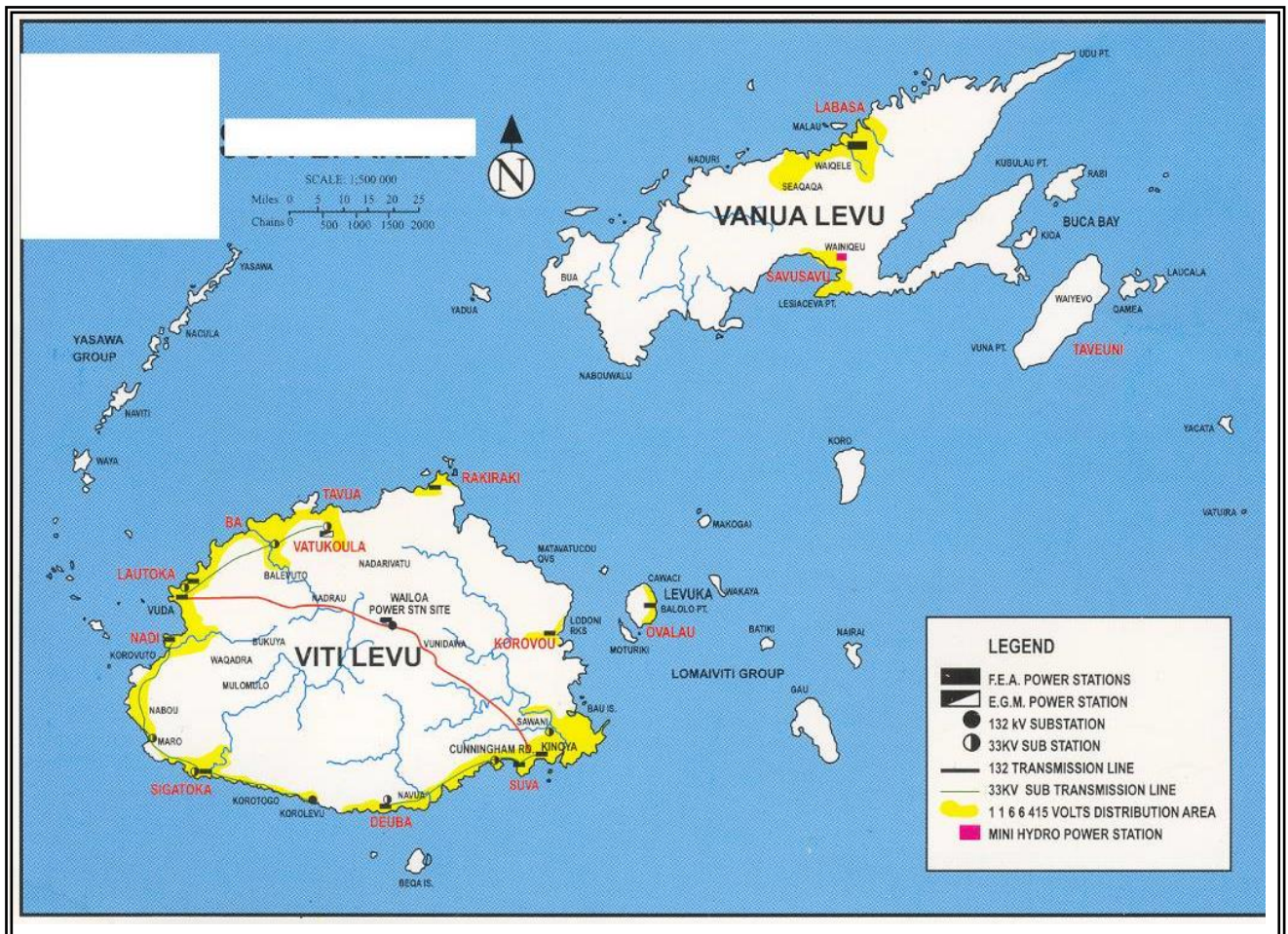


Figure 1 – Energy Fiji Limited coverage Area

EFL's official website is www.evl.com.fj .

2. PURPOSE AND DESCRIPTION OF THE TENDER

The Energy Fiji Limited (EFL) is requesting for bids from BTS manufacturers, authorized distributors or resellers for the supply of the **Supply of Outdoor BTS Cabinets with pre-installed DC Supply System** supplied with batteries, rectifiers, and DC circuits breakers.

This Outdoor cabinets will be installed in remote sites that will be exposed to outdoor environments hence the need for a robust BTS cabinet to safely secure radio equipment's and DC installation.

3. ELIGIBILITY / SELECTION CRITERIA OF THE BIDDER

The bidder should be a manufacturer, authorized distributor or authorized reseller of the products that is offered in the bid.

The vendors shall submit the names/contacts of utilities or projects where they have previously supplied similar products.

All relevant test reports, product standard certificates, and product specification as a table form / drawings are required to be supplied in the tender as part of their bid.

Other information to be provided by the Bidder as part of the proposal is:

1. Company Profile
2. Documentary proof stated that the bidder shall be the manufacturer/authorized distributor or reseller of the offered product and at least 10 years of outstanding experience in manufacturing and timely delivery of such materials
3. Manufacturer's / Vendor's warranty on the product.
4. Method of replacement or reimbursement of faulty / defective or damaged goods
5. Lead time including manufacturing time and shipping duration.
6. The bidder must provide the weight or CBM of the products
7. Full details of the production and testing facilities available with the manufacturers
8. Technical specification/literature of the offered items.
9. The bidder should provide a 'Quality Assurance Certificate' (QAC) from the manufacturer stating that this equipment supplied is in conformity with the specifications requirements in the Tender.

3.1 DELIVERY

All required equipment & accessories shall be addressed to: **Telecom Engineer Western, Telecom Workshop, Energy Fiji Limited, Navutu, Lautoka, Fiji.**

4. BIDDER DETAILS

The Bidder shall provide all the necessary information specified in the tables below:

General
The registered name of the Bidder:
Business address for correspondence: <i>(Location, Street , Locality City, Pin Code, Country, Telephone, Facsimile, Email Other)</i>
Contact name of the Authorised Person:
Contact's position: <i>Contact addresses if different from above</i> <i>Locality City, Pin Code</i> <i>Location, Street, Country, Telephone, Facsimile, Email, Web address</i>
Business structure:
Include the organisations years of experience in this field and reputation in the market place.

5. TECHNICAL SUPPORT

- i. Bidder should provide details of what technical support is available to EFL to make better use of the product offered.
- ii. Include relevant manuals and instructions for proper care and handling of the Outdoor BTS cabinets and DC Supply System

6. PRODUCT INFORMATION

Bidders must include the following document together with their Bid:

- Full Product Specification
- Relevant Test Certificates
- Standard Compliance Certificate.

7. PACKAGE SIZE

The bidder must ensure proper and suitable packing of the item before dispatch to avoid damages during transit.

8. DEFECTS WARRANTY PERIOD

All goods shall be supplied with a Warranty Period of **not less than 12 months** from the date of the receipt of the Goods by EFL. During the Warranty Period, defective parts shall be returned to the supplier for replacement on a pick-up exchange and return-delivery basis.

9. PRICE VALIDITY

The price submitted shall remain valid for acceptance within 120 days from the date of opening of bids and bidders shall not withdraw or amend their proposal prior to the expiration of the validity period. Price Validity of more than 120 working days is highly accepted.

In exceptional circumstances prior to expiry of the original validity period, the Authority may request the supplier for an extension in the period of validity. The request and the response thereto shall be in writing. A supplier agreeing to the request will not be permitted to amend his tender price.

10. PAYMENT TERMS

EFL's contract payment terms is payment to be made within 30 days from the date when invoice is received subject to the full delivery of ordered goods as per contract. If this is not accepted, Letter of Credit and Advance Payment is also accepted. The cost of arranging Bank guarantee or Letter of Credit shall be the responsibility of the bidder.

Failure to accept the above payment terms will render your bid non-compliance.

11. TECHNICAL SPECIFICATION AND REQUIREMENT

Technical specifications of the outdoor cabinet is shown in 12.1 below. Bidders are required to comply with the technical specifications and requirements of the BTS outdoor cabinet. It is a requirement that bidders shall provide technical specifications of the outdoor cabinets they are supplying and the name of the manufacturer that they are buying the cabinets from.

11.1 Outdoor BTS Cabinets

11.1.1 Cabinet No.1 – Radio Equipment Outdoor cabinet

Item	Type	Technical Parameter
Structure	Dimension	External Dimension HxWxD 1750x750x750mm; Internal Dimension HxWxD 1450x650x650mm. (19", 32U)
	Layout	1 compartment
	Equipment Installation Method	19" rack
	Door	With one front door, and special anti-theft three point lock for outdoor cabinet (support padlock)

	Material	Galvanized steel, double wall, inner wall is 0.8mm thickness, outer wall is 1.5mm thickness, there is 20mm PEF heat insulation between two walls.
	Structure	Welded
	Ingress Protection	\geq IP55
	Cable Entry	Bottom entry.
Temperature Control	Cooling	AC220V air conditioner and DC48V fans
Auxiliary Direct Ventilation	Fan	DC supply
Lighting	LED lamp	48V LED lamps (immovable), with protective circuit breaker
Temperature	Temperature	Working Temperature: -40°C ~ +55°C
		Storage Temperature: -50°C ~ + 70°C
		Transport Temperature: -50°C ~ +70°C
Humidity	Relative Humidity	5% ~ 100%
Pressure	Air Pressure	62kpa ~ 101kpa (similar to 0m ~ 5000m altitude)
Radiation Intensity	Solar	1120 \times (1 \pm 5%)W/m ²
Package	Type	Wooden

11.1.2 Cabinet No. 2 – DC Systems Outdoor Cabinet

Item	Type	Technical Parameter
Structure	Dimension	External Dimension H×W×D 1750×750×750mm; Internal Dimension H×W×D 1450×650×650mm. (19", 32U)
	Layout	3 compartments
	Equipment Installation Method	19" rack
	Door	With one front and one back door, and special anti-theft three point lock for outdoor cabinet (support padlock)

	Material	Galvanized steel, double wall, inner wall is 0.8mm thickness, outer wall is 1.5mm thickness, there is 20mm PEF heat insulation between two walls.
	Structure	Welded
	Ingress Protection	IP55
	Cable Entry	Bottom entry
Temperature Control	Cooling	AC220V air conditioner and DC48V fans
Auxiliary Direct Ventilation	Fan	DC supply
Lighting	LED lamp	48V LED lamps (immovable), with protective circuit breaker
Temperature	Temperature	Working Temperature: -40°C ~ +55°C
		Storage Temperature: -50°C ~ + 70°C
		Transport Temperature: -50°C ~ +70°C
Humidity	Relative Humidity	5% ~ 100%
Pressure	Air Pressure	62kpa ~ 101kpa (similar to 0m ~ 5000m altitude)
Radiation Intensity	Solar	1120 x(1±5%)W/m2
Communication	Ethernet	DNP 3, Modbus.
Package	Type	Wooden

11.2 Batteries

Item	Type	Description	Quantity
Battery	GEL	240AH Maintenance free	12

NOTE: Bidders are to provide detail drawing on the DC and AC wiring including circuit breakers and batteries.

11.3 Rectifier

AC Input	
Voltage Range	220Vac – 240Vac
Frequency	50Hz
Phase	Single Phase
DC Output	
Output 1	12V
Output 2	24V
Output 3	48V
Accessories	
AC Breakers	1 x 240Vac 16A
	1 x 240Vac 10A
DC Breakers	3 x 12Vdc 10A
	3 x 24Vdc 10A
	3 x 48Vdc 10A

12. TENDER EVALUATION

After the bids are received, it will go through a normal tender evaluation process as per EFL's Tender Policy and Procedures. The successful and unsuccessful bidders will be advised of the outcome after completion of the Tender evaluation process.

The evaluation of the tender submissions will be weighted as such:

No.	Components	Weighting (%)
1	Cost	30 %
2	Compliance to Technical specification	55 %
3	Delivery timeframe. Refer to section 4.	5 %
4	Letter from Manufacturer/Preferred supplier	10 %

13. GENERAL REQUIREMENTS

#	<u>General Requirement</u>	Please Tick (<input type="checkbox"/>)	Describe in detail
a).	Specification of the Fibre cable and accessories provided in the bid.		
b).	Warranty Details of each item included.		
c).	Manufacturer's detail, address		
d).	Willing to accept Purchase Order and provide a minimum of 30days credit account.		
e).	Be able to provide back up support		
f).	Delivery time frame stated.		
g).	Proven background on supplying Test equipment products.		
h).	Validity period of the price.		
i).	Letter from Manufacturer to state that the bidder is the authorised distributor or reseller of the test equipment offered.		
j).	Overseas bidders are to provide their bid price offer as CFR, Lautoka, Fiji		

14. BID PRICE

14.1 Price List

No.	Description	QTY	Unit Price	Total
1	Cabinet No.1 – Radio Equipment Outdoor cabinet	3		
2	Cabinet No. 2 – DC Systems Outdoor Cabinet with With pre-installed rectifiers, distribution panel, 3 compartments to fit 4 batteries, breakers as mentioned in the specification.	3		
4	240AH GEL Maintenance free battery (4 per cabinet)	12		

Note:

1. Supply of Equipment will not attract 15% With Holding tax as per Fiji Government Tax law Service (Training) but Training (service) will be charged 15% Withholding Tax. Indicate in your offer if provisional tax is included in the price bid.

All local bidders are to provide with the VIP price which is inclusive of freight, duty, taxes, customs clearance and delivery charges to Telecom Workshop, Lautoka.

2. Overseas bidders are to provide their price offer as CFR, Lautoka, Fiji

TENDER CHECKLIST

The Bidders must ensure that the details and documentation mention below must be submitted as part of their tender Bid

Tender Number _____

Tender Name _____

1. Full Company / Business Name: _____

(Attach copy of Registration Certificate)

2. Director/Owner(s): _____

3. Postal Address: _____

4. Phone Contact: _____

5. Fax Number: _____

6. Email address: _____

7. Office Location: _____

8. TIN Number: _____

(Attach copy of the VAT/TIN Registration Certificate - Local Bidders Only (Mandatory))

9. FNPF Employer Registration Number: _____ **(For Local Bidders only) (Mandatory)**

10. **Provide a copy of Valid FNPF Compliance Certificate (Mandatory- Local Bidders only)**

11. **Provide a copy of Valid FRCS (Tax) Compliance Certificate (Mandatory Local Bidders only)**

12. **Provide a copy of Valid FNU Compliance Certificate (Mandatory Local Bidders only)**

13. Contact Person: _____

I declare that all the above information is correct.

Name: _____

Position: _____

Sign: _____

Date: _____

Tender submission

Bidders are requested to upload electronic copies via Tender Link by registering their interest at: <https://www.tenderlink.com/efl>

EFL will not accept any hard copy submission to be dropped in the tender box at EFL Head Office in Suva.

This tender closes at 4.00pm (1600hrs) on Wednesday 19th February, 2025.

For further information or clarification please contact our Supply Chain Office on phone **(+679) 3224360 or (+679) 9992400** or email us on tenders@efl.com.fj

The bidders must ensure that their bid is inclusive of all Taxes payable under Fiji Income Tax Act. Bidders are to clearly state the percentage of VAT that is applicable to the bid prices.

The lowest bid will not necessarily be accepted as the successful bid.

The Tender Bids particularly the “Price” must be typed and not hand written.

Any request for the extension of the closing date must be addressed to EFL in writing three (3) working days prior to the tender closing date.

Tender Submission via email or fax will not be accepted.