

**Tender for the Design, Manufacture and Supply  
of 45m Free Standing Lattice  
Telecommunication Tower for PP3 Repeater  
Site**



**MR 176/2024**

**Tender for Design, Manufacture and Supply of  
45m Free Standing Lattice Telecommunication  
Tower for PP3 Telecom Repeater Site**

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

## **Table of Contents**

1.	GENERAL .....	4
1.1	The Company - EFL.....	4
2.	PURPOSE AND DESCRIPTION OF THE TENDER.....	5
3.	ELIGIBILITY / SELECTION CRITERIA OF THE BIDDER.....	5
4.	DELIVERY .....	5
5.	BIDDER DETAILS .....	5
6.	OTHER VALUE ADDED SERVICES .....	6
7.	TECHNICAL SUPPORT .....	6
8.	PRODUCT INFORMATION.....	6
9.	PACKAGE SIZE.....	6
10.	DEFECTS WARRANTY PERIOD .....	7
11.	PRICE VALIDITY.....	7
12.	PAYMENT TERMS .....	7
13.	TECHNICAL SPECIFICATION AND REQUIREMENT .....	7
14.	TENDER EVALUATION .....	9
15.	SUBMISSION OF TENDER.....	10
1.	SUBMISSION OF TENDER.....	10
1.1.	Overseas & Local Bidders .....	10
16.	Appendix .....	10
16.1	Submission Forms .....	10
16.2	Cost .....	11

# 1. GENERAL

## 1.1 The Company - EFL

Energy Fiji Limited is a government entity 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
- Wertern/Nothern 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.

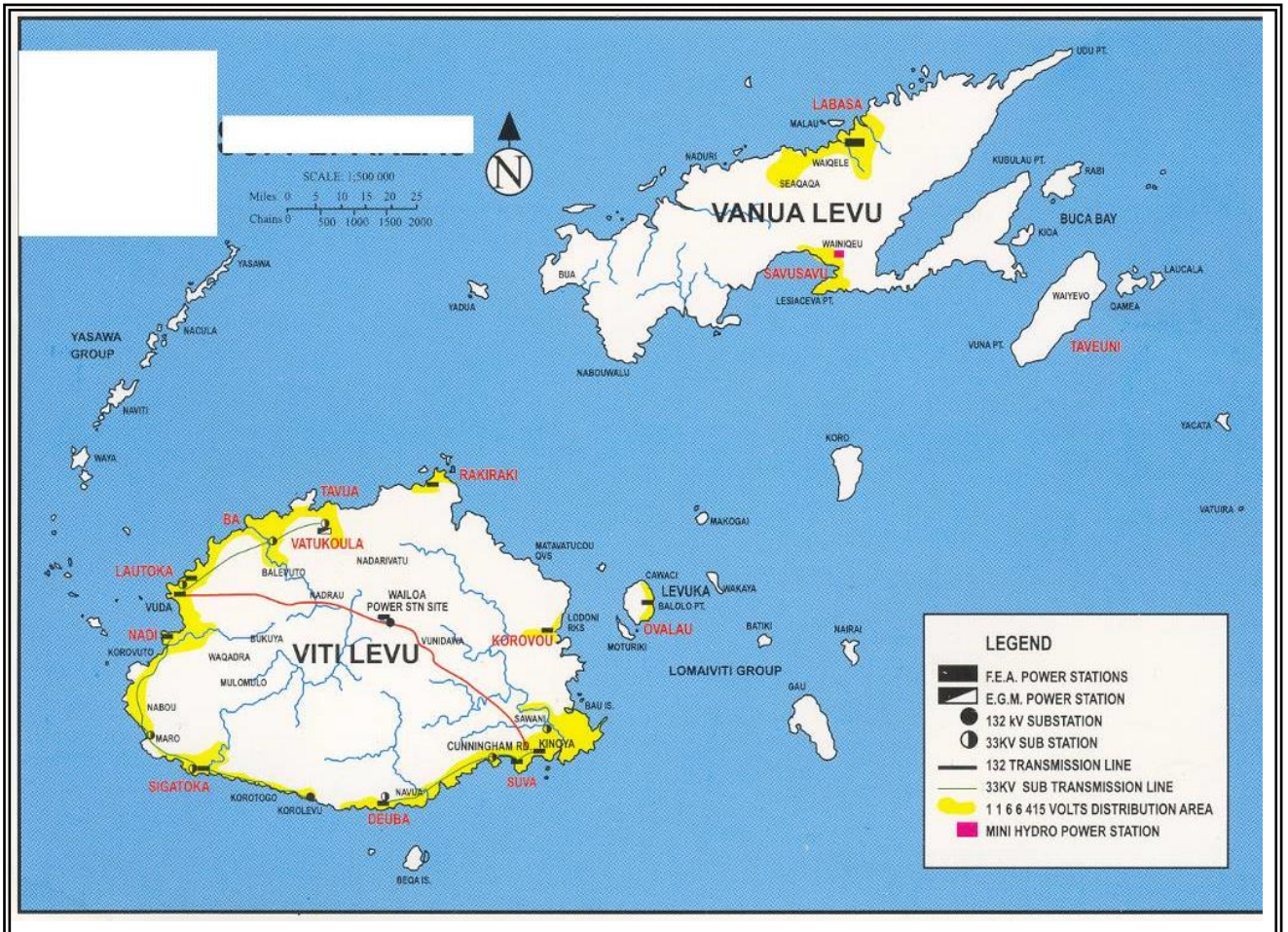


Figure 1 – Fiji Electricity Authority coverage Area

EFL’s official website is [www.efl.com.fj](http://www.efl.com.fj)

## 2. PURPOSE AND DESCRIPTION OF THE TENDER

The Energy Fiji Limited (EFL) is requesting for bids from reputable Companies for the design, manufacture and supply of **45m Free Standing Lattice Tower** to Network SBA for its operational needs.

## 3. ELIGIBILITY / SELECTION CRITERIA OF THE BIDDER

The supplier should be a manufacturer, authorized distributor or reseller of the products.

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. Manufacturer's / Vendor's warranty on the product.
2. Method of replacement or reimbursement of faulty / defective or damaged goods
3. Lead time including manufacturing time and shipping duration.
4. The bidder must provide the weight or CBM of the products
5. Previous EFL experience with the Bidder and supplier DIFOTIS (Delivery in Full on Time in Spec)
6. It is mandatory for the Bidders to provide full specification of the all Equipment prescribed in this bid.

## 4. DELIVERY

All required equipment & accessories shall be delivered to **Telecom Workshop, Energy Fiji Limited, Navutu, Fiji.**

## 5. BIDDER DETAILS

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

General
<b>The registered name of the Bidder:</b>
<b>Business address for correspondence:</b> <i>(Location, Street , Locality City, Pin Code, Country, Telephone, Facsimile, Email Other)</i>
<b>Contact name of the Authorised Person:</b>

**Contact's position:**

**Contact addresses if different from above**

*Locality City, Pin Code*

*Location, Street, Country, Telephone, Facsimile, Email, Web address*

**Business structure:**

**Include the organisations years of experience in this field and reputation in the market place.**

## **6. OTHER VALUE ADDED SERVICES**

The bidder is open to include any other information that may add value to their product or after installation and commissioning services.

## **7. TECHNICAL SUPPORT**

- i. Bidder should provide details of what technical support is available to EFL to make better use of product.
- ii. Include relevant manuals and instructions for proper care and handling of the equipment and accessories, and operations.

## **8. PRODUCT INFORMATION**

Bidders must include the following document together with their Bid:

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

## **9. PACKAGE SIZE**

The successful bidder will be required to pack and dispatch the item as per EFL's requirement. The package size and quantity will be determined by EFL unless the product is a standard factory package. All packages must be clearly marked with the quantity content in the crate or pallet. The bidder must ensure proper and suitable packing of the item before dispatch to avoid damages during transit.



## **10. 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.

## **11. PRICE VALIDITY**

The price shall remain valid for acceptance within 120 working 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.

## **12. PAYMENT TERMS**

EFL shall pay the invoice amount in foreign currency to the overseas bank account nominated by the successful supplier within 30 days of receipt of the invoice subject payment terms as per the contractual agreement. The local bidders will be paid in Fijian dollars.

Any bidders who require upfront payment will be required to provide a Bank Guarantee with bank guarantee fees to be the borne by the bidder.

Letter of Credit facility too is also available and also one of payment option that can be used however, the bank application fees should be the bidder's responsibility.

## **13. TECHNICAL SPECIFICATION AND REQUIREMENT**

As part of the scope, bidders are required to provide costing for the following works/services:

- 1) Manufacture, supply and deliver to Energy Fiji Limited a 45m Free standing lattice communication tower manufactured in accordance with the following standards:
  - a. wind load assessment in accordance with NCC 2016: BCA 2014 and ASNZS 1170.2:2011 as applicable and structural assessment in accordance with AS4100 and AS3995
  - b. AS3600:2001 Reinforced Concrete Design
  - c. AS4100:1998 Steel Structures
  - d. AS/NZS1170.0:2002, AS/NZS1170.1:2002, AS/NZS1170.1:2011, AS/NZS1170.3:2003
  - e. AS/NZS1170.4.2007, Structural Design Actions

f. AS3995:1994 Design of Lattice Towers & Masts

The tower to be supplied shall have the following:

1. Tower	
a. Legs and Braces	✓
b. Nuts, Bolts and washes	✓
c. Tower Leg anchors	✓
2. Packaging	✓
3. Transport	✓
4. Lightening Protection	
a. Air Terminal	✓
b. Earth Termination Kit	✓
c. Lightening Arrestor, cables and connectors and earthing rod	✓
5. External Tower Ladder Set	✓
6. Fall Arrest Cable Assembly	✓
7. Ancillaries	
a. Cable Ladder	✓
b. Antenna Mounting Assemblies as Detailed	✓
c. Cable Ties	✓
d. Safety Climb Device	✓
8. Antenna Mounting (Yagi) – x 10	✓



## 14. 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	Financial Components	40 %
2	Technical capability	25 %
3	Delivery timeframe. Refer to section 4.	15 %
4	Proven background in design, manufacturing and supplying of communication tower	20 %

## 15. SUBMISSION OF TENDER

### 1. SUBMISSION OF TENDER

#### 1.1. Overseas & Local Bidders

All bidders shall upload an Electronic copies of their bid in the **TENDER LINK** Electronic Tender Box no later than **4:00pm, on Monday 12<sup>th</sup> June, 2024.**

To register your interest and tender a response, view 'Current Tenders' at:

<http://www.efl.com.fj/contractors-suppliers/tenders/current-tenders/>

For further information, contact The Secretary Tender Committee, by e-mail [tenders@efl.com.fj](mailto:tenders@efl.com.fj) or to [ShazminaK@efl.com.fj](mailto:ShazminaK@efl.com.fj).

## 16. Appendix

### 16.1 Submission Forms

The following information has to be filled by the bidder and submitted with Tender Documents:

1. Company Name: \_\_\_\_\_
2. Director/Owner(s): \_\_\_\_\_
3. Postal Address: \_\_\_\_\_
4. Email Address: \_\_\_\_\_
5. Phone Number: \_\_\_\_\_
6. Fax Number: \_\_\_\_\_
7. Office Location: \_\_\_\_\_
8. Facsimile & Skype: \_\_\_\_\_
9. Web Address: \_\_\_\_\_
10. After Sales Contact details: \_\_\_\_\_  
\_\_\_\_\_
11. TIN Number (local bidders only): \_\_\_\_\_
12. Company Registration Number(local bidders only): \_\_\_\_\_
13. FNPF Employer Registration Number (local bidders only): \_\_\_\_\_
14. Number of Branches & locations: \_\_\_\_\_
15. Years of Experience & reputation in the market : \_\_\_\_\_

16. Area of business Specialization:  Manufacturer & Supplier  
*[Please tick where applicable]*  Retailer  
 Licensed Agent  
 Others, please specify \_\_\_\_\_

17. Business Structure :

I hereby, declare that all the above information is correct.

Sign: \_\_\_\_\_

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

Position: \_\_\_\_\_

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

### 16.2 Cost

Currency:			
No.	Item	Quantity	Price
1.			
2.			
3.			
4.			
5			
6			
7			
8			
	<b>Total</b>		<b>\$</b>

**All local bidders are to quote with VIP price which is inclusive of freight, duty, taxes, customs clearance and delivery charges to Telecom Workshop, Navutu while overseas bidders are to quote on CFR terms.**

Overseas bidders may contact the following to obtain various rates if they are quoting VIP prices:

<p><a href="http://www.fracs.org.fj/contact-us/">http://www.fracs.org.fj/contact-us/</a> Email : <a href="mailto:info@fracs.org.fj">info@fracs.org.fj</a></p>	<p>Duty and tax rates</p>
<p>Williams &amp; Gosling Limited Email : <a href="mailto:info@wgfiji.com.fj">info@wgfiji.com.fj</a> or <a href="mailto:RajneshC@wgfiji.com.fj">RajneshC@wgfiji.com.fj</a> Website: <a href="http://www.wgfiji.com.fj">www.wgfiji.com.fj</a> Telephone: +679 6722855 / Fax: +679 6735730 / Mobile: +679 9977790/ 679 7053008 Office: Nadi Airport / P O Box 9414, Nadi Airport, Fiji</p> <p>Or any freight forwarder from the list available on the following website: <a href="http://www.yellowpages.com.fj/categories/Freight+Forwarders/">http://www.yellowpages.com.fj/categories/Freight+Forwarders/</a></p>	<p>Rates for freight, customs clearance and delivery.</p>

Or

In case an overseas bidder intends to quote ex-works price in their bid then they are supposed to furnish with the following information:

- Dimensions of packaging,
- Total weight of packaging shipment, and
- Address for the location of pick up.

Appendix 2 – Tower Loading

Mount Height (m)	Mounting Orientation (degrees)	Antenna Description and Size	Antenna Manufacturer	Model Number	Mounting arrangement	Feeder cable diameter	Comments
23	178.96	Yagi – 1.5m length	RFI Industries Pty Ltd	RDA6	Clamp	LD4-50A (1/2 inch)	SCADA Radio Link
20	178.96	YB Series UHF Directional Yagi Antennas – 1.2m length	RFI Industries Pty Ltd	YB6	Clamp	LD4-50A (1/2 inch)	Radio Telephone Link
17	30 & 155 (stack)	VHF Side Mounted Dipole – 1.3m	RFI Industries Pty Ltd	SMD2	Clamp	LD4-50A (1/2 inch)	SCADA Radio Repeater
15	30 & 155 (stack)	VHF Side Mounted Dipole – 1.3m	RFI Industries Pty Ltd	YB6	Clamp	LD4-50A (1/2 inch)	Radio Telephone Repeater
16	178.96	Eclipse ODU 300hp on 300mm antenna	Aviat Networks	ODU 300hp	Antenna mounting collars are designed for attachment to industry-standard 112 mm OD (4.5") pipe mounts.	CNT300	Microwave link - Future
24		Features 8-antenna array for extended range and 360 degree coverage.	Skypilot	Features 8-antenna array for extended range and 360 degree coverage.	Clamp	24" Cat 5 – Shielded Ethernet cable	Mesh type network - Future

## 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 12<sup>th</sup> June, 2024.**

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](mailto: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.**