

# **Tender for Supply of Radio Equipment, and Accessories for New EFL Repeater Stations**



**MR 10/2026**

## **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.*

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### **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

<b>Term/Phrase</b>	<b>Definition</b>
AC	Alternating current
DT	Delivery Time. Defined as the time elapsed between the date of order of a part by the Contracting authority (in case of need of the order of additional spare parts) and the date of shipment of ordered part from the Contractor to the Contracting Authority
DC	Direct Current
EMP	Electromagnetic pulse

Term/Phrase	Definition
LAN	Local Area Network
LRU	<p>Line Replaceable Unit that is repairable and shall:</p> <ul style="list-style-type: none"> <li>• Be easily accessible and replaceable (e.g. plug in unit, screwed terminals or connectors);</li> <li>• Have minimal adjustment requirements (e.g. voltage level setting, etc)</li> <li>• Be designed in such a way to ensure that the system returns to its full operational status within a meantime of 60 minutes (MTTR &lt; 1 hour) when only LRU has failed</li> </ul>
MDF	Main Distribution Frame
MRT	Mean Response Time in hours (i.e. the average time from notification of failure for a technician to be ready to commence repair action)
MTBF	Mean Time Between Failures. A basic measure of reliability for repairable items. The average time during which all parts of the item perform within their specified limits, during a particular measurement period under stated conditions.
MTTR	Mean Time To Repair. A basic measure of maintainability. The sum of corrective maintenance times divided by the total number of failures within an item. The average time it takes to fully repair a failed system. Typically includes fault isolation, remove and replacement of failed item(s) and checkout. It excludes logistics downtime needed for spare part transport from stock to the site.
RF	Radio Frequency
Rx	Receiver
TAT	Turn-Around-Time. The time elapsed between the date of arrival of the faulty item at repair workshop and the date of shipment of the repaired (or replaced) item from the repair workshop to the Contracting authority
TRx	Transmitter

## **Table of Contents**

Introduction.....	6
1.1. The Company - EFL.....	6
2. Purpose and description of Tender.....	7
3. Scope.....	7
4. Eligibility / Selection Criteria of the Bidder.....	7
5. Delivery.....	8
6. Bidders Details.....	8
7. Other Value Added Services.....	9
8. Technical Support.....	9
9. Product Information.....	9
10. Documentation.....	9
11. Reference Documents.....	10
12. Standards.....	10
13. Definitions.....	11
14. Functional and Technical Requirements.....	11
15. Design Specification.....	11,12
16. Repeater Site Coordinates.....	13
17. Requirements.....	14
18. Project Timeline.....	15
19. Package Size.....	15
20. Cost Details.....	15
21. Contract Payment Terms.....	16
22. Defects Warranty Period.....	17
23. Price Validity.....	17

24. Tender Evaluation.....17

25. Submission of Tender.....18

25.1. Bidders.....18

26. Compulsory Submission Forms.....19

26.1. Submission Forms.....19,20,21

26.2. Cost.....22-23

26.3. Check List.....24

## 1. Introduction

### 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
- 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.

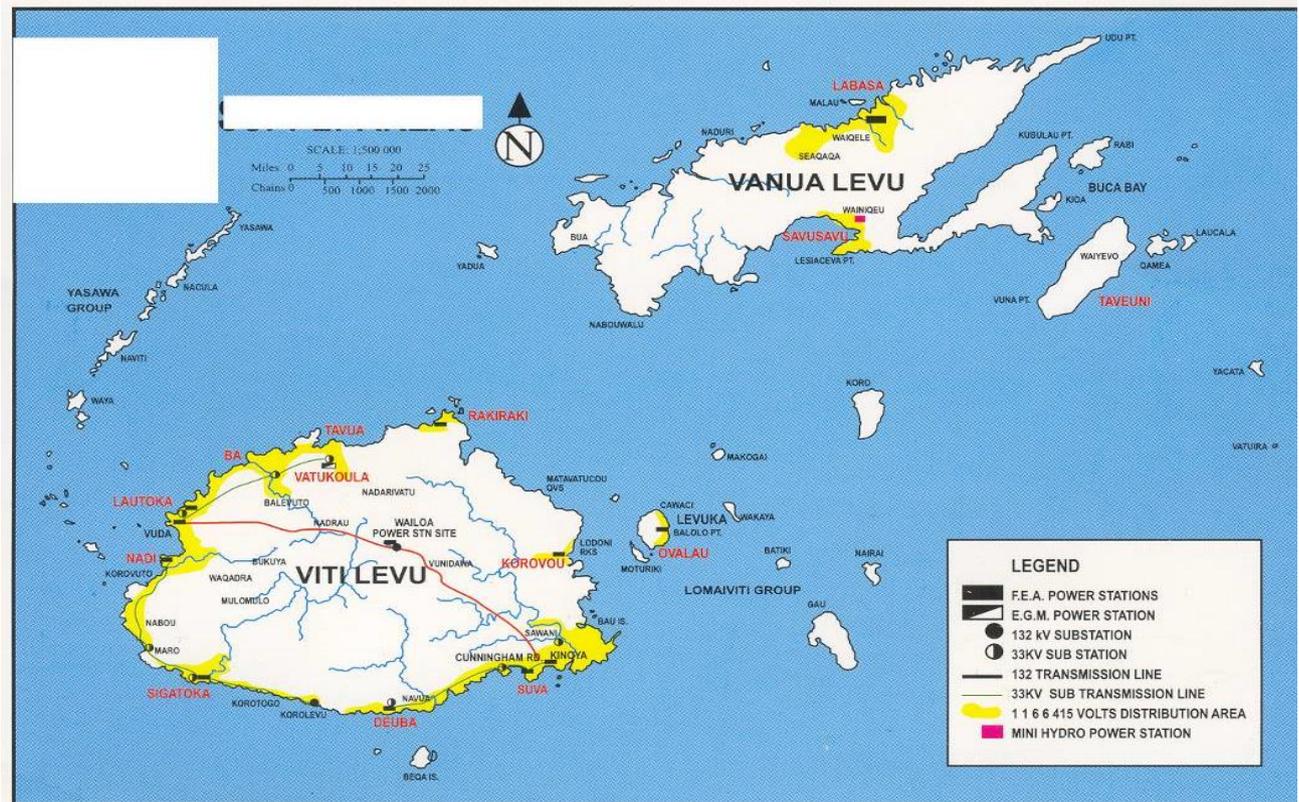


Figure 1 – Energy Fiji Limited coverage Area

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

## 2. Purpose and description of Tender

Energy Fiji Limited (EFL) plans to install new Radio Equipment, Materials, and Accessories at the new EFL repeater station sites located in Ra and Sigatoka. This equipment will enable the inclusion of these line technologies into our SCADA system and reduce radio communication black spots.

This installation is intended to:

- Establish reliable and high-performance communication infrastructure.
- Provide improved bandwidth and link performance.

## 3. Scope

The scope of this project is the supply of radio equipment and accessories to be installed at EFL's new repeater stations in:

1. Matawailevu – Ra
2. Naveyago – Valley Road Sigatoka
3. PP3 – Monasavu

The bidder is responsible for:

- Supplying all necessary equipment and accessories required for radio communication at the new repeater stations.
- Providing a detailed path profile for each site using suitable RF planning tools (preferably Pathloss software) to confirm the viability and performance of proposed links.
- Suggesting optimal frequency plans, although existing EFL frequency allocations can be reused if compatible (see Section 16.0).

## 4. Eligibility / Selection Criteria of the Bidder

The supplier should be a manufacturer, authorized distributor or reseller of the products. Preference will be given to the bidders who are manufacturers of the product.

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

**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 equipment and submitted as part of the bid.

## 5. Delivery

All required equipment & accessories shall be addressed/delivered **CIF** to **EFL Navutu Depot Lautoka**. Delivery timeframe shall be clearly stated in the bid.

## 6. Bidders Details

The Bidder shall provide all the necessary information specified in the table 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>
<b>Contact's position:</b> <i>Contact addresses if different from above</i> <i>Locality City, Pin Code</i> <i>Location, Street, Country, Telephone, Facsimile, Email, Web address</i>
<b>Business structure:</b>
<b>Include the organisations years of experience in this field and reputation in the market place.</b>

## **7. Other Value-Added Services**

The bidder is open to including any additional information that may add value to their product, as well as after-installation and commissioning services, such as device management software suites.

## **8. Technical Support**

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

## **9. Product Information**

Bidders must include the following document together with their Bid:

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

## **10. Documentation**

- a). Bid prices shall be typed; bids with handwritten prices shall be disqualified.
- b) The submitted tender documentation, together with the submitted technical documentation, shall be neatly sorted into adequate sections and bound. All costs of preparing the submission shall be borne by the Bidder.
- c) The response to the specification is required to be comprehensive, with a completed Compliance table as set out.
- d) Tenderers are encouraged to offer the existing baseline products that are compliant with or equivalent to all mandatory requirements.
- e) The offered product shall have at least the same or better technical characteristics as requested in this tender.
- f) The Compliance table included in this document provides an entry for each requirement.
- g) The Tenderer shall also provide additional remarks if they are considered helpful for assessing the response (column Remarks in the Compliance table). Each remark shall be uniquely referred to the corresponding document (Clause, Chapter, Paragraph and Page).

## 11. Reference Documents

Wherever reference is made in this technical specification to specific regulations, standards and codes, the provisions of the latest current edition or revision of the relevant regulations, standards or codes in effect shall apply unless otherwise expressly stated in the technical specifications. Where such standards and codes are national or related to a particular country or region, other authoritative standards that ensure substantial equivalence to the standards and codes specified will be acceptable.

## 12. Standards

- a) The whole supplied equipment shall work completely in Compliance with the following documents:

**EMC:** FCC CFR47 Part 15, EN 301 489-5, ICES-003

**SAFETY:** UL/EN 60950, CLASS 1 division 2 for hazardous locations

**ENVIRONMENTAL:** ETS 300 019 Class 3, 4, IEE 1613 Class 2

IEC 61850-3, Ingress Protection IPS1

**RF:** FCC CFR47 Part 24/27/80/90/95/101

IC RSS 119/RSS 134

BAND	FCC ID:	IC
400	UIPSQ400M1311	6772A-SQ400M1311
150	UIPSQN135M1311	6772A-SQN135M1311

- b) The equipment shall also meet the following standards for electrical safety:  
IEC 60950 – International Safety Standard for Information Technology Equipment  
EN 60215 – Safety of Radio Frequency Transmitters
- c) The radio equipment shall be newly-produced and shall meet the requirements laid down in standard documents listed in a) above.

### 13. Definitions

Term/Phrase	Definition
Availability	A measure of the degree to which an item is in an operable state at any time.
Reliability	The probability that an item will perform its intended function for a specified interval under stated conditions.
Maintainability	A measure of the ability of an item to be retained in, or restored to, a specified condition when maintenance is performed using prescribed procedures and technician skill levels.
Consumable spare	Expendable item, such as fuses, lamps, air filters, etc., that can be easily replaced by use of standard tools and procedures.

### 14. Functional and Technical Requirements

No.	Requirements
1	The Tenderer shall be responsible for the system engineering efforts associated with the production and supply of the equipment being provided.
2	The Tenderer shall be responsible for the safe delivery of the items to the mentioned location in the tender.

### 15. Design Specifications

Radio	Frequencies
VHF	135MHz - 175MHz (Full Duplex) EFL is using 4RF radio
UHF	440 MHz - 446 MHz (Full Duplex) EFL is using 4RF radio

VHF Duplexer	
Frequency	135 – 175MHz
Separation	6MHz
Power Handling	150W

UHF Duplexer	
Frequency	440 – 446MHz
Separation	6MHz
Power Handling	150W

<b>VHF Filters</b>	
<b>Low Bandpass</b>	<b>135 MHz Resonant Frequency</b>
<b>High Bandpass</b>	<b>175 MHz Resonant Frequency</b>

<b>UHF Filters</b>	
<b>Low Bandpass</b>	<b>440 MHz Resonant Frequency</b>
<b>High Bandpass</b>	<b>446 MHz Resonant Frequency</b>

<b>RF Cable</b>	
<b>Outdoor</b>	<b>LMR400</b>
<b>Indoor</b>	<b>RG58U</b>
<b>Radio to Filters</b>	<b>Cable assembly 2M RG58 TNC (M) – TYPE N (M)</b>
<b>Filters to Duplexer</b>	<b>Cable assembly 2M RG58 TYPE N (M) – TYPE N (M)</b>
<b>Duplexer to Lightning Arrestor</b>	<b>Cable assembly 2M RG58 TYPE N (M) –TYPE N (M)</b>
<b>Phasing Harness</b>	<b>2-way VHF (135 – 180MHz)</b>
<b>Phasing Harness</b>	<b>2-way UHF (440 – 450MHz)</b>

<b>Antenna</b>	
<b>VHF</b>	<b>Side Mount 130 – 180 MHz Dipole</b>
<b>UHF</b>	<b>6-element 440 – 450MHz Yagi</b>

<b>Accessories</b>	
<b>Lightning Arrestors</b>	<b>Polyphaser Type N F/F Bulkhead Coaxial RF Surge Protector, 1.5MHz – 700MHz, DC Block, 3kW, 20uJ, 50kA, Blocking Cap, Hole Mount.</b>
<b>Connector N (M)</b>	<b>Type N (M) connector for LMR 400 cable (solder/crimp)</b>
<b>Connector N (F)</b>	<b>Type N (F) connector for LMR 400 cable (solder/crimp)</b>
<b>Connector TNC (M)</b>	<b>TNC (M) connector for RG58 cable (solder/crimp)</b>
<b>Connector TNC (F)</b>	<b>TNC (F) connector for RG58 cable (solder/crimp)</b>
<b>Connector BNC (M)</b>	<b>BNC (M) connector for RG58 cable (solder/crimp)</b>
<b>Connector BNC (F)</b>	<b>BNC (F) connector for RG58 cable (solder/crimp)</b>
<b>Adaptor 1</b>	<b>TNC (M) to Type N (M)</b>
<b>Adaptor 2</b>	<b>TNC (F) to Type N (M)</b>

<b>Adaptor 3</b>	<b>TNC (F) to TYPE N (F)</b>
<b>Adaptor 4</b>	<b>TNC (M) to Type N (F)</b>
<b>Cable marker 1</b>	<b>Heat shrinks for LMR 400 coaxial cable</b>
<b>Cable marker 2</b>	<b>Heat shrinks for RG58 coaxial cable</b>
<b>Antenna mounting</b>	<b>Galvanized right angle bracket</b>

## 16. Repeater Site Coordinates

Site information on where repeaters are located is tabulated below.

	<b>Repeater</b>	<b>Longitude</b>	<b>Latitude</b>	<b>Tower Structure</b>	<b>Tower Height (m)</b>	<b>Power Supply</b>
1	Naveyago	17 <sup>0</sup> 57'39" S	177 <sup>0</sup> 39'31" E	Triangular Mast	20	12-48VDC
2	PP3	17 <sup>0</sup> 47'24" S	178 <sup>0</sup> 00'36" E	Triangular Mast	45	12-48VDC
3	Matawailevu	17 <sup>0</sup> 31'27" S	178 <sup>0</sup> 16'13" E	Triangular Mast	25	12-48VDC

*Table 1: Repeater site information.*

## 17. Requirements

Bidders are required to supply the following items

Item	Description	Quantity
1	VHF Radio 160-180 MHz (Full Duplex)	3
2	UHF Radio 440-447 MHz (Full Duplex)	6
3	VHF RF Filters (low and high bandpass)	6 sets
4	UHF RF Filters (low and high bandpass)	6 sets
5	VHF Antenna SMD	6
6	UHF Antenna 6 element Yagi	6
7	Phasing harness (2 way VHF 135 – 180MHz)	6
8	Phasing harness (2 way UHF 440 – 450MHz)	6
9	Lightning Arrestors	10
10	Connector N (M)	20
11	Connector N (F)	20
12	Connector TNC (M)	20
13	Connector TNC (F)	20
14	Connector BNC (M)	20
15	Connector BNC (F)	20
16	Adapter 1 - TNC (M) to Type N (M)	20
17	Adaptor 2 - TNC (F) to Type N (M)	20
18	Adaptor 3 - TNC (F) to Type N (F)	20
19	Adaptor 4 - TNC (M) to Type N (F)	20
20	Cable marker 1 – Heat shrinks for LMR 400 (set)	10
21	Cable marker 2 – Heat shrinks for RG58 (set)	10
22	Antenna mounting bracket	10
23	LMR Coaxial cable	200M
24	RG58 Coaxial cable	200M
25	Cable assembly 2M RG58 TNC (M) – N (M)	20
26	Cable assembly 2M RG58 N (M) – N (M)	20
27	Cable assembly 2M RG58 N (M) – N (M)	20
28	VHF Duplexer	3
29	UHF Duplexer	6

## 18. Project Timeline

Bidders are required to submit a detailed Project Management Plan on how they intend to carry out the required work based on the scope of work provided, i.e., production, assembly and delivery. Failure to provide a Project Management Plan will render your bid disqualified.

## 19. Package Size

The successful bidder will be required to pack and dispatch the item as per EFL's requirements. 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 carton, crate or pallet. The bidder must ensure proper and suitable packing of the item before dispatch to avoid damage during transit.

## 20. Cost Details

Bidders shall use the table below to list a summary of cost associated with this tender. For **OVERSEAS** bidders, their prices must be **quoted in their currency with CIF freight term**, and the port of delivery is **Nadi Airport to EFL Navutu Depot**. For **LOCAL** bids only, price must be quoted in FJD (VIP)

Item	Description	Quantity	Unit Price	Total
1	<b>VHF Radio 160-180 MHz (Full Duplex)</b>	3		
2	<b>UHF Radio 440-447 MHz (Full Duplex)</b>	6		
3	<b>VHF RF Filters (low and high bandpass)</b>	6 sets		
4	<b>UHF RF Filters (low and high bandpass)</b>	6 sets		
5	<b>VHF Antenna</b>	6		
6	<b>UHF Antenna (6 element Yagi)</b>	6		
7	<b>Phasing harness (2 way VHF 135 – 180MHz)</b>	6		
8	<b>Phasing harness ( 2 wayUHF 440 – 450MHz)</b>	6		
9	<b>Lightning Arrestors Type N</b>	10		
10	<b>Connector N (M)</b>	20		
11	<b>Connector N (F)</b>	20		
12	<b>Connector TNC (M)</b>	20		
13	<b>Connector TNC (F)</b>	20		
14	<b>Connector BNC (M)</b>	20		
15	<b>Connector BNC (F)</b>	20		
16	<b>Adaptor 1 - TNC (M) to Type N (M)</b>	20		
17	<b>Adaptor 2 - TNC (F) to Type N (M)</b>	20		

18	<b>Adaptor 3 - TNC (F) to Type N (F)</b>	20		
19	<b>Adaptor 4 - TNC (M) to Type N (F)</b>	20		
20	<b>Cable marker 1 – Heat shrink for LMR 400 (set)</b>	10		
21	<b>Cable marker 2 – Heat shrink for RG58 (set)</b>	10		
22	<b>Antenna mounting</b>	10		
23	<b>LMR Coaxial cable</b>	200M		
24	<b>RG58 Coaxial cable</b>	200M		
25	<b>Cable assembly 2M RG58 TNC (M) – N (M)</b>	20		
26	<b>Cable assembly 2M RG58 N (M) – N (M)</b>	20		
27	<b>Cable assembly 2M RG58 N (M) – N (M)</b>	20		
28	<b>VHF Duplexer</b>	3		
29	<b>UHF Duplexer</b>	6		

## 21. Contract 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 and service as per contract. If this is not accepted, Letter of Credit and Advance Payment are also accepted.

For Advance payment, the following condition applies:

1. Amount of bank guarantee must be equal to the advance payment contract
2. Issued to designated bank in Fiji accepted by EFL
3. Banker of supplier must liaise with banker of EFL
4. Validity of bank guarantee as per the contract terms and conditions
5. Bank guarantee should be irrevocable & non-negotiable until expiry date and satisfactory delivery of goods and services
6. The supplier's banker shall meet and satisfy the terms and conditions of the designated banker of EFL to ensure Bank guarantee is issued.
7. The cost of arranging Bank guarantee or Letter of Credit shall be responsibility of the successful bidder

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

Contract payments will be made according to the table below.

<b>Payment Details</b>	<b>Description</b>	<b>Percentage payment</b>
Payment	Successful delivery of all equipment's as per tender requirements.	100%

## 22. Defects Warranty Period

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

## 23. 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.

EFL will enter into contractual agreement (based on AS/NZS 4911: 2003, FIDIC contracts or EFL's standard contract) with the successful bidder for the supply and delivery of UHF radios to replace our obsolete SCADA radio network.

## 24. 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	35 %
2	Technical capability	40 %
3	Delivery Timeframe	10%
4	Proven background on products quoted.	5 %
5	Warranty, backup service and spare parts.	5 %
6	Product offered have been widely deployed in similar environment.	5 %

## **25. Submission of Tender**

### **25.1. Bidders**

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 25<sup>th</sup> February, 2026.**

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.**

## 26. Compulsory Submission Forms

### 26.1. 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:
 

	<input type="checkbox"/>	Manufacturer & Supplier
<i>[Please tick where applicable]</i>	<input type="checkbox"/>	Retailer
	<input type="checkbox"/>	Licensed Agent
	<input type="checkbox"/>	Others, please specify _____ _____
17. Business Structure :

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

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

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

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

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

**General Requirement**

#	<b><u>General Requirement</u></b>	<b>Describe in detail by citing evidence such as document number, clause and page number(s).</b>
a).	Warranty details and the warranty period of each item are included.	
b).	Date of Manufacture stated.	
c).	Willing to accept Purchase Order and provide a minimum of 30days credit account.	
d).	Willing to accept payment within 30 days after delivery of items to EFL.	
e).	Does not require an advance payment before the delivery of items.	
f).	Be able to provide backup support, spare parts and manuals for basic maintenance.	
g).	Delivery time frame stated in the Project Plan.	
h).	Proven that the product supplied has been deployed and used in a similar application.	
i).	Validity period of the price.	
j).	A letter from Manufacturer to state that the bidder is the authorised distributor or reseller of the product offered.	
k).	Any other Value Added Services.	

**Technical Requirement: Radio**

#	<b><u>Technical Requirement</u></b>	<b>Describe in detail by citing evidence such as document number, clause and page number (s).</b>
a).	Brand	
b).	Country of Manufacture	
c).	Products are Brand New.	
d).	Data sheet and specification for all items provided in the bid	
e).	The link (Point-to-Point) radio must operate in the 400 – 520 MHz frequency band.	
f).	Complete IP capability – Layer 2 Bridge, Layer 3 routing with automatic WAN configuration & automatic routing table creation, VLANs, Quality of Service and SNMPv3 support.	
g).	A complete and effective Security platform that will	

	safeguard the radio.	
h).	Must have better modulation to ensure sufficient bandwidth to cater for its intended traffic.	
i).	Must have the capability to select modulation based on Signal to Noise Ratio (SNR).	
j).	The radio shall have the capability to ensure that all remote radios in the network can be 100% interrogated and configured via the Base radio.	
k).	The radio must have the IP Filtering capability to block unwanted traffic originating from connected IP devices, including laptops.	
l).	Radio shall be rated for 12V DC operation and hot swappable.	
m).	Radio shall have the ability to cope with harsh conditions, especially high temperatures, without the use of fans.	
n).	The radio shall come with 3 Ethernet and 1 serial Interface. Ethernet shall be IPV4 supported.	
o).	The radio shall have the capability to support remote firmware updates.	
p).	The radio shall come with programmable bandwidth of 12.5, 25, 50kHz and has 100kHz future capability.	
q).	Radio shall have very high modulation schemes.	

## 26.2. Cost

### Local Bidders

Item	Description	Quantity	Unit Price	Total
1	<b>VHF Radio 160-180 MHz</b>	3		
2	<b>UHF Radio 440-447 MHz</b>	6		
3	<b>VHF RF Filters (low and high bandpass)</b>	6 sets		
4	<b>UHF RF Filters (low and high bandpass)</b>	6 sets		
5	<b>VHF Antenna</b>	6		
6	<b>UHF Antenna (6 element Yagi)</b>	6		
7	<b>Phasing harness (2-way VHF 135 – 180MHz)</b>	6		
8	<b>Phasing harness (2-way UHF 440 – 450MHz)</b>	6		
9	<b>Lightning Arrestors Type N</b>	10		
10	<b>Connector N (M)</b>	20		
11	<b>Connector N (F)</b>	20		
12	<b>Connector TNC (M)</b>	20		
13	<b>Connector TNC (F)</b>	20		
14	<b>Connector BNC (M)</b>	20		
15	<b>Connector BNC (F)</b>	20		
16	<b>Adaptor 1 - TNC (M) to Type N (M)</b>	20		
17	<b>Adaptor 2 - TNC (F) to Type N (M)</b>	20		
18	<b>Adaptor 3 - TNC (F) to Type N (F)</b>	20		
19	<b>Adaptor 4 - TNC (M) to Type N (F)</b>	20		
20	<b>Cable marker 1 – Heat shrinks for LMR 400 (set)</b>	10		
21	<b>Cable marker 2 – Heat shrinks for RG58 (set)</b>	10		
22	<b>Antenna mounting</b>	10		
23	<b>LMR Coaxial cable</b>	200M		
24	<b>RG58 Coaxial cable</b>	200M		
25	<b>Cable assembly 2M RG58 TNC (M) – N (M)</b>	20		
26	<b>Cable assembly 2M RG58 N (M) – N (M)</b>	20		
27	<b>Cable assembly 2M RG58 N (M) – N (M)</b>	20		
28	<b>VHF Duplexer</b>	3		
29	<b>UHF Duplexer</b>	6		

**NB:** The bidders are requested to furnish with their best price after discount. The quantity required by EFL will be decided during the time of ordering.

All local bidders are to provide with the VIP price which is inclusive of freight, duty, taxes, customs clearance and delivery charges to *SCADA & Telecommunication Workshop, EFL Navutu Depot, Lautoka.*

Delivery Timeframe: \_\_\_\_\_ Weeks

Overseas Bidders

Item	Description	Quantity	Unit Price	Total
1	<b>VHF Radio 160-180 MHz</b>	3		
2	<b>UHF Radio 440-447 MHz</b>	6		
3	<b>VHF RF Filters (low and high bandpass)</b>	6 sets		
4	<b>UHF RF Filters (low and high bandpass)</b>	6 sets		
5	<b>VHF Antenna</b>	6		
6	<b>UHF Antenna (6 element Yagi)</b>	6		
7	<b>Phasing harness (2-way VHF 135 – 180MHz)</b>	6		
8	<b>Phasing harness (2-way UHF 440 – 450MHz)</b>	6		
9	<b>Lightning Arrestors Type N</b>	10		
10	<b>Connector N (M)</b>	20		
11	<b>Connector N (F)</b>	20		
12	<b>Connector TNC (M)</b>	20		
13	<b>Connector TNC (F)</b>	20		
14	<b>Connector BNC (M)</b>	20		
15	<b>Connector BNC (F)</b>	20		
16	<b>Adaptor 1 - TNC (M) to Type N (M)</b>	20		
17	<b>Adaptor 2 - TNC (F) to Type N (M)</b>	20		
18	<b>Adaptor 3 - TNC (F) to Type N (F)</b>	20		
19	<b>Adaptor 4 - TNC (M) to Type N (F)</b>	20		
20	<b>Cable marker 1 – Heat shrinks for LMR 400 (set)</b>	10		
21	<b>Cable marker 2 – Heat shrinks for RG58 (set)</b>	10		
22	<b>Antenna mounting</b>	10		
23	<b>LMR Coaxial cable</b>	200M		
24	<b>RG58 Coaxial cable</b>	200M		
25	<b>Cable assembly 2M RG58 TNC (M) – N (M)</b>	20		
26	<b>Cable assembly 2M RG58 N (M) – N (M)</b>	20		
27	<b>Cable assembly 2M RG58 N (M) – N (M)</b>	20		
28	<b>VHF Duplexer</b>	3		
29	<b>UHF Duplexer</b>	6		

**NB:** The bidders are requested to furnish with their best price after discount. The quantity required by EFL will be decided during the time of ordering.

**All overseas bidders are to provide with the CIF price (Lautoka Port).**

**Delivery Timeframe:** \_\_\_\_\_ **Weeks**

### **26.3. Checklist**

<b>No.</b>	<b>Item</b>
1.	Offer Letter
2.	Overall Bid
3.	Cost
4.	Compulsory Submission Forms
5.	Specification/Data Sheet for Radios
6.	Letter: authorized manufacturer/distributor/ reseller of radios
7.	List of places and companies where the radio has been deployed in an electrical utility environment, mainly in Australia & NZ or Fiji by the bidder.
8.	Contact details for reference check of past radio deployment stated in item (7) above.
9.	Appendices: Any other information and Value Added Service.
10.	<b>Local Bidders</b> are to supply the following, along with their bid: <ul style="list-style-type: none"> <li>• FRCS Compliance Letter</li> <li>• FNPF Compliance Letter</li> <li>• FNU Compliance Letter (this is in place of the Workman's Compensation)</li> </ul>



## Important Instructions for Bid Submission

Description: Dear Valued Suppliers,

This is a reminder to all suppliers to ensure that your bid submissions are made under the registered name of your business, as per your official business registration. This is important to avoid any confusion related to business identity. If there have been any changes to your business name or registration details, kindly update the information accordingly in your TenderLink user profile.

For local suppliers, please double-check your pricing calculations, including both the detailed breakdown and the total bid amount. Also, clearly indicate whether your prices are inclusive or exclusive of VAT. The prices should be received on your company letter heads, or put a company stamp.

For overseas suppliers, kindly state the currency in which you intend to submit your bid, along with the applicable Incoterm. This will assist us in accurately analyzing your submission.

Before submitting your bid, please ensure that all required documents have been uploaded to avoid incomplete submissions. Please upload valid Tax compliance, Valid FNPf Compliance and Valid FNU Levy Compliance for local bidders.

Lastly, please ensure that the Tender Submission Checklist is completed in full, including:

Company name: \_\_\_\_\_

Names of directors: \_\_\_\_\_

Contact phone number: \_\_\_\_\_

Email address: \_\_\_\_\_

These details are essential for us to reach out for any required clarifications.

Kindly ensure that you upload your tenders at least one hour before the closing time to avoid any last-minute internet or technical issues.

Thank you for your cooperation.

Kind regards,

EFL Supply Chain

## 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 25<sup>th</sup> February, 2026.**

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.**