

# **Tender for Supply of VHF Band Pass Duplexer & Accessories**



**MR 32/2021**

**Supply of VHF Band Pass Duplexer & Accessories**

## **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. CIF - Cost Insurance & Freight
- vii. Very High Frequency

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# 1. GENERAL

## 1.1 The Company – EFL

Energy Fiji Limited (EFL) 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.

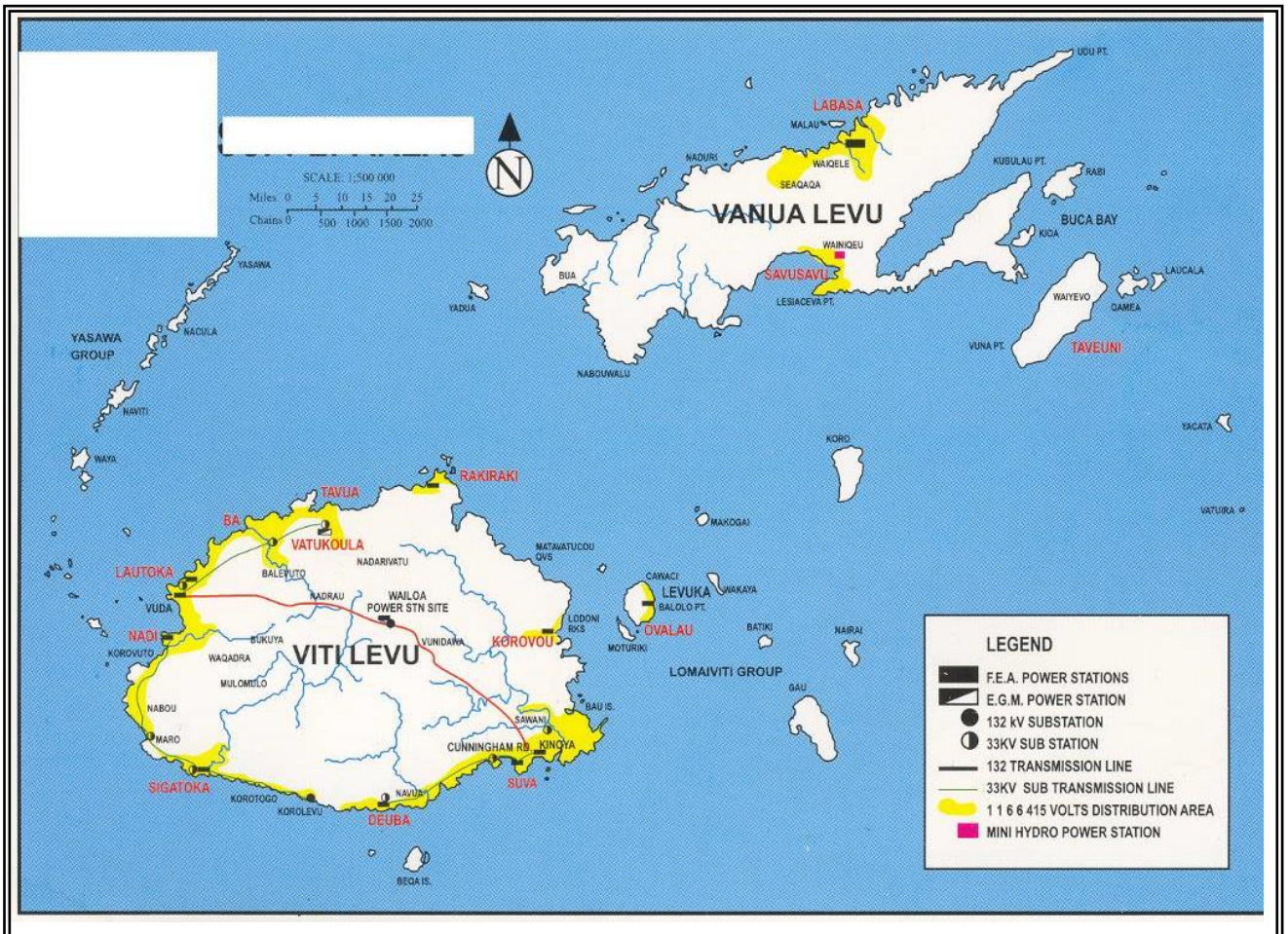


Figure 1 – Energy Fiji Limited coverage Area

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

## **2. PURPOSE AND DESCRIPTION OF THE TENDER**

The Energy Fiji Limited (EFL) is requesting for bids from reputable companies for the supply of **VHF Band Pass Duplexer & Accessories** to SCADA & Telecommunication section of EFL for its SCADA Radio upgrade project.

## **3. 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 manufactures 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.
7. 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.

## **4. DELIVERY**

All required equipment & accessories shall be addressed/delivered to **ICT Workshop, Kinoya, Fiji.**

Delivery timeframe shall be clearly stated in the bid.

## 5. BIDDER 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> <b>Contact addresses if different from above</b> <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>

## 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. DOCUMENTATION**

- a). Bid prices shall be typed; bids with handwritten prices shall be disqualified.
- b). The submitted tender documentation together with submitted technical documentation shall be neatly sorted in 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 each chapter of 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 corresponding document (Clause, Chapter, and Paragraph).

## **10. REFERENCE DOCUMENTS**

Wherever reference is made in the 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.

## **11. 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.

## **12. 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. The cost of the freight and repairs shall be borne by the supplier/bidder.

### **13. 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.

### **14. PAYMENT TERMS**

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

Any supplier requesting for advance payment shall provide EFL with a bank guarantee from EFL preferred commercial banks for the sum of the advance payment amount.



## 15. TECHNICAL SPECIFICATION AND REQUIREMENT

### 15.1 VHF Band Pass Duplexer

- a). 19" Rack mount front panel
- b). The duplexer shall have the following features:
  - excellent continuous operating ratings
  - small overall size
  - milled from a single solid alloy block for excellent mechanical and temperature stability
  - Compact temperature stable design
  - Pass band Low & High ports
  - Low insertion loss ripple
  - RoHS complaint
- c). The duplexer shall be tuned to the following frequencies when supplied:

Freq	Lololo	Tuidreke	Kavukavu	Nakobalevu		Dogowale
				Central South	Central North	
Tx	166.775	172.9875	172.9875	172.8625	172.6125	172.7375
Rx	172.775	166.9875	166.9875	166.8625	166.6125	166.7375

**Figure 2: Point to Multipoint Frequencies**

- d). Further information about the specification is available in the link below:  
[https://d2bkoixdtji80u.cloudfront.net/media/wysiwyg/wireless/multicoupling\\_monitoring/Duplexers/VHF%20High%20Band%20\(132-300MHz\)/P-44145-1%20DP1x1x-0881-32%20Duplexer%20Specifications.pdf](https://d2bkoixdtji80u.cloudfront.net/media/wysiwyg/wireless/multicoupling_monitoring/Duplexers/VHF%20High%20Band%20(132-300MHz)/P-44145-1%20DP1x1x-0881-32%20Duplexer%20Specifications.pdf)

### 15.2 N Male Type Connector – Solder/Clamp

- a). Suitable for RG58 Type Cable RG58 Coaxial Cable.

### 15.3 N Male Right Angle Connector – Solder/Clamp

- a). Suitable for RG58 Type Cable RG58 Coaxial Cable.

### 15.4 TNC Male Connector - Solder/Clamp

- a). Suitable for RG58 Type Cable RG58 Coaxial Cable.

**15.5 TNC Male Right Angle Connector Solder/Clamp**

- a). Suitable for RG58 Type Cable RG58 Coaxial Cable.

**15.6 Low Loss RG58 Coaxial Cable**

- a). 5mm, 50 Ohm
- b). Further information about the specification is available in the link below:  
[https://d2bkoixdtji80u.cloudfront.net/media/wysiwyg/wireless/cable\\_connectors/Coaxial%20Cables/9006\\_PDS\\_081019.pdf](https://d2bkoixdtji80u.cloudfront.net/media/wysiwyg/wireless/cable_connectors/Coaxial%20Cables/9006_PDS_081019.pdf)

**16. 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.	10%

## **17. SUBMISSION OF TENDER**

### **17.1 Bidders**

Electronic copies of the tender bid must be uploaded in the **TENDER LINK** Electronic Tender Box no later than **4:00pm (1600hrs Fiji Time), on Wednesday 3<sup>rd</sup> of March, 2021.**

To register your interest and tender a response, view 'Current Tenders' at:  
<http://www.EFL.com.fj/contractors-suppliers/tenders/current-tenders/>

The tender bid shall be addressed as follows:

- **Tender – MR 32/2021 – Tender for Supply of VHF Band Pass Duplexer & Accessories**  
**The Secretary, Tender Committee**  
**Energy Fiji Limited**  
**Supply Chain Office**  
**Private Mail Bag**  
**Suva**

Tenders received **after 4:00pm (1600hrs Fiji Time)** on the closing date of **Wednesday 3<sup>rd</sup> of March, 2021** will **not be considered.**

Lowest bid will not necessarily be accepted as successful bid.

For further information or clarification please contact our Supply Chain Office by e-mail [JReddy@efl.com.fj](mailto:JReddy@efl.com.fj) ; or by phone **(+679) 3224360** or **(+679) 9992400.**

## 18. Compulsory Submission Forms

### 18.1 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
<input type="checkbox"/>	Retailer
<input type="checkbox"/>	Licensed Agent
<input type="checkbox"/>	Others, please specify _____ _____

*[Please tick where applicable]*
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 document number, clause and page number (s).</b>
a).	Warranty details and warranty period of <b>EACH</b> item stated thoroughly.	
b).	Willing to accept Purchase Order and provide a minimum of 30days credit account.	
c).	Willing to accept payment within 30days after successful delivery of items to EFL.	
d).	Does not require advance payment before delivery of items.	
e).	Be able to provide back up support, spare parts and manual for basic maintenance.	
f).	Delivery time frame stated.	
g).	Proven background on VHF Band Pass Duplexer & Accessories quoted.	
h).	Validity period of the price.	
i).	Letter from Manufacturer to state that the bidder is the authorised manufacturer or distributor or reseller of product offered.	
j).	Any other Value Added Services.	

**Technical Requirement**

#	<b><u>Technical Requirement</u></b>	<b>Describe in detail by citing evidence such document number, clause and page number (s).</b>
a).	Brand	
b).	Country of Manufacture	
c).	Products are Brand New.	
d).	Data sheet for all the items provided in the bid.	
e).	Date of Manufacture stated. Preference will be given to those items whose date of manufacture is <b>less than 6 months</b> .	
f).	Any other prominent feature	

## 18.2 Cost

### Local Bidders

Currency: FJD				
<u>No.</u>	<u>Description of Item</u>	<u>Unit Price</u>	<u>Quantity</u>	<u>Price, VIP</u>
1.	VHF Band Pass Duplexer	\$	6	\$
2.	N Male Connector for RG58 Cable – Solder/Clamp	\$	200	\$
3.	N Male Right Angle Connector for RG58 Cable – Solder/Clamp	\$	200	\$
4.	TNC Male Connector for RG58 Cable – Solder/Clamp	\$	200	\$
5.	TNC Male Right Angle Connector for RG58 Cable – Solder/Clamp	\$	200	\$
6.	Low Loss RG58 Coaxial Cable (100m drum)	\$	2 drums	\$
	<b>Total</b>			<b>\$</b>

**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 ICT Workshop, Kinoya.**

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

**Overseas Bidders**

Currency: .....				
<u>No.</u>	<u>Description of Item</u>	<u>Unit Price</u>	<u>Quantity</u>	<u>Price, VIP</u>
1.	VHF Band Pass Duplexer	\$	6	\$
2.	N Male Connector for RG58 Cable – Solder/Clamp	\$	200	\$
3.	N Male Right Angle Connector for RG58 Cable – Solder/Clamp	\$	200	\$
4.	TNC Male Connector for RG58 Cable – Solder/Clamp	\$	200	\$
5.	TNC Male Right Angle Connector for RG58 Cable – Solder/Clamp	\$	200	\$
6.	Low Loss RG58 Coaxial Cable (100m drum)	\$	2 drums	\$
7.	Freight (CIF Nadi Airport).	\$		\$
<b>Total</b>				<b>\$</b>

**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 (Nadi Airport).**

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

### 18.3 Checklist

No.	Item
1.	Offer Letter
2.	Overall Bid
3.	Cost
4.	Compulsory Submission Forms
5.	Data Sheet for all VHF Band Pass Duplexer & Accessories
6.	Letter: authorized manufacturer/distributor/ reseller of all the VHF Band Pass Duplexer & Accessories in the bid.
7.	List of places and companies where the VHF Band Pass Duplexer & Accessories has been deployed in either Australia, NZ or Fiji.
8.	Contact details for reference check of past supply of items
9.	Appendices: Any other information and Value Added Service
10.	<p><b>Local Bidders</b> are to supply the following along with their bid:</p> <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>





## **Tender Submission - Instruction to bidders**

It is mandatory for Bidders to upload a copy of their bid in the TENDER LINK Electronic Tender Box no later than 4.00pm (1600hrs Fiji Time) Wednesday 3<sup>rd</sup> March, 2021.

To register your interest and tender a response, view 'Current Tenders' at:  
<https://www.tenderlink.com/efl>

For further information please contact Jitendra Reddy by e-mail  
[JReddy@efl.com.fj](mailto:JReddy@efl.com.fj)

In additional, hard copies of the tender, one original and one copy must be deposited in the tender box located at the EFL Head Office, 2 Marlow Street, Suva, Fiji no later than 1600hrs Wednesday 3<sup>rd</sup> March, 2021 - Addressed as

### **Tender - MR 32/2021 - Supply of VHF Band Pass Duplexer & Accessories**

**The Secretary Tender Committee**

**Energy Fiji Limited**

**Head Office**

**Suva**

**Fiji**

**Hard copies of the Tender bid will be accepted after the closing date and time provided a soft copy is uploaded in the e-Tender Box and it is dispatched before the closing date and time.**

**Tenders received after closing time 4.00pm (1600hrs Fiji Time) Wednesday 3<sup>rd</sup> March, 2021.**

- Will not be considered.
- Lowest bid will not necessarily be accepted as successful bid.

**It is the responsibility of the bidder to pay courier charges and all other cost associated with the delivery of the hard copy of the Tender submission.**

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

**(Tender Submission via email or fax will not be accepted)**