



**ENERGY FIJI LIMITED**

**Tender Specification Document**

**Supply of One Only Cable Identifier Complete  
with Accessories**

**Tender #: MR 96/2023**

**Tender Closing Date: 1600hrs, Wednesday, 29<sup>th</sup> March, 2023**

## **SECTION I - INSTRUCTIONS TO BIDDERS**

**Notes to Bidders:** *This section provides detailed information necessary for Bidders to prepare their Bids, in accordance with the requirements specified by Energy Fiji Limited ('EFL'). It also provides information on Bid submission, opening, evaluation and the award of contract.*

### **1. Scope**

EFL invites bids for the Supply of Only (1) only complete set of Cable Identifier with accessories as described in the Bidding Document. This unit shall be used to positively identify an underground HV (11kV/33kV) cable from a set of cables to ensure the correct cable is cut or spiked.

### **2. Eligibility of Bidders**

2.1 This bidding is open to all eligible companies

2.2 EFL in its sole unfettered discretion, can disqualify or otherwise determine ineligible any potential Bidder that the EFL believes is, has been or will be, whether directly or indirectly, engaged in criminal or any other unethical behavior, financially unsound, or otherwise unfit in the EFL's opinion to participate in the bidding exercise.

2.3 In its Bid, the Bidder shall indicate the origin of Goods proposed i.e. product build in xxxx country.

2.3 A Bidder shall not be eligible to participate in this bidding or in the performance of the contract if the bidder:

- Is bankrupt or being wound up, is having its affair administered by the courts, has entered into an arrangement with creditors, has suspended business activities, is the subject of proceedings concerning those matters or is in any analogous situation arising from a similar procedure provided in national legislation or regulations.
- Has been the subject of a judgement which has the force of judicator for fraud, corruption, involvement in a criminal organization or any other illegal activity detrimental to the financial interests of EFL.
- Is guilty of misrepresentation in supplying the information required as a condition of participation in this bidding exercise or fail to supply this information.

### **3. Bid Prices**

3.1 The Bidder shall indicate on the appropriate Price Schedule, the unit prices (where applicable) and total Bid Price of the offered goods.

3.2 The Bidder's separation of price components will be solely for the purpose of facilitating the comparison of Bids by EFL and will not in any way limit the EFL's right to contract on any of the terms offered.

3.3 All non-exempt duties, taxes and other levies payable by the Supplier/Bidder under the Contract/Purchase Order, or for any other cause shall be included in the rates, prices and total Bid price submitted by the Bidder.

3.4 Bid prices shall be **CFR basis** to Nadi Airport, Fiji. Cost and Freight shall be quoted for by the Bidder. EFL has its own insurance cover for freight.

**4. Bid Currency**

4.1 Unless otherwise specified in Section II, the unit rates and Prices shall be quoted by the Bidder's Country of Origin.

**5. Request for Extension of Bid Submission Period**

Any extension request must be made 72 hours prior to tender closure. It shall be EFL's prerogative to either accept or reject the request to extend tender submission deadline.

**6. Period of Validity of Goods**

6.1 Unless otherwise specified in Section II, bids shall remain valid for a period of 90 days after the deadline for the receipt of Bids. A Bid valid for a shorter period shall be rejected by EFL as non-responsive.

6.2 In exceptional circumstances, EFL shall may solicit the Bidders' consent to an extension of the period of validity. The request and the responses thereto shall be made in writing.

## **Section II - Tender Specifications**

### **Description**

The Cable Identifier should enable reliable cable selection for energized and de-energised cables from a group of cables. It should provide absolute safe identification based on polarity and signal magnitude of the pulse coming from the transmitter, which is picked up by the receiver and a clip on probe (rogowski coil). The transmitter must operate on 240V AC or internal battery. Moreover, the entire system must function without user adjustment and under no circumstances, provide a false positive identification. Therefore, the Cable Identifier must be easy to operate, safe to operate and small for portability. Underground cables which shall be subjected to tests using the Cable Identifier range from cables that withstand/carry 240V AC to 33,000V AC.

### **Technical Criteria**

The criteria tables below are to be filled and submitted as part of Tender Bid.

Bidders are requested to make remarks on the following tables below as: ✓ / X; unless the specification provided differs from the bidder's remarks. Then the bidder shall clearly put the specification as per their bidding product.

#### **1. Transmitter for identification on de-energised cables**

<b>Criteria</b>	<b>Requirement</b>	<b>Bidder's Response</b>
<b>Pulse Voltage</b>	55V DC or greater	
<b>Pulse Current</b>	Approx. 100A	
<b>Pulse Sequence</b>	30 / min	
<b>Pulse Width</b>	72ms	
<b>Power Supply</b>	240 VAC 50Hz	
	Approx. 12V DC Rechargeable battery (bidder to state battery details)	
<b>Operating Time</b>	12Hrs on rechargeable battery	
<b>Fused Leads</b>	500V fuse at end of connection leads (optional)	
<b>Charging Time</b>	Approx. 5hours (Bidder to state time)	
<b>Weight</b>	Not exceeding 5kg (Bidder to state weight)	
<b>Signal Injection</b>	Direct Connection	
<b>Cable Length that can be positively identified</b>	Greater than 10km	
<b>Dimension</b>	(Bidder to state dimension)	
<b>Protection Class</b>	IP 54 minimum	

<b>Operating Temperature</b>	10°C – 50°C	
<b>Operating Humidity</b>	Minimum 86%	

## 2. Universal receiver

<b>Criteria</b>	<b>Requirement</b>	<b>Bidder's Response</b>
<b>Sensor</b>	Flex-Coupler (rogowski coil) Ø internal diameter greater than 90mm (should fit 300mm <sup>2</sup> 11kV 3C XLPE cable by olex/nexan)	
<b>Amplifier Setting</b>	Ability to increase gain	
<b>Amplitude detection</b>	Yes	
<b>Polarity detection</b>	Yes	
<b>Cable Length that can be positively identified</b>	Greater than 10km	
<b>Visual Identifier</b>	Provides visual confirmation on receiver of correct cable identified (screen/led light)	
<b>Power Supply</b>	2 x 1.5 V AA batteries	
<b>Operating Time</b>	> 50 h	
<b>Weight</b>	Not exceeding 1kg (Bidder to state weight)	
<b>Dimension</b>	(Bidder to state dimension)	
<b>Protection Class</b>	IP 54 minimum	
<b>Operating Temperature</b>	10°C – 50°C	
<b>Operating Humidity</b>	86%	

### Unit Details

The unit should be user friendly having a rugged design and intuitive interface. Pamphlets should be provided on unit details and usage.

### Included Accessories

<b>Item</b>	<b>Accessories</b>	<b>Bidder's Remark (√/x)</b>
1	Transport Case	
2	Flexible Clamp (rogowski coil)	
3	Cable Identifier Receiver	
4	Cable Identifier Transmitter	
5	Twisted Field Sensor	
6	Signal Transmitter Clamp (where leads cannot be used)	

8	Mains Cable (AU Plug)	
9	User guide (EN)	
10	International Warranty - 24months (2years)	

**Other Requirements:**

<b>Supplier should also provide:</b>		
<b>Item</b>	<b>Descriptions</b>	<b>Bidders Remarks</b>
1	Calibration certificate of instrument along with the calibration requirement in future (if calibration required)	
2	Instruction manual	
3	International guarantee/warranty certificate- 24 months	
4	Service center information and contact details	
5	Quoted price should have a validity of 3 months	
6	Delivery lead time – maximum of 6 weeks. Shall be delivered to Nadi Airport (Fiji) on CFR basis. Bidder must take into account all logistics and costs involved to have the item shipped to Fiji.	
7	Bidder shall also provide cost for hands-on training on the use of the equipment to EFL Technicians and Engineers on site (EFL Kinoya Depot, Central Division, Fiji). Bidder shall provide the duration and cost associated for this training in the tender bid. (Note: EFL will decide separately for confirmation of training on its own discretion )	

**Price Schedule**

<b>Equipment</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Currency</b>	<b>Incoterm</b>
Cable Identifier with accessories	1set			CFR

<b>Equipment</b>	<b>Comments</b>	<b>Total Price for Training Package (state currency also)</b>
Training cost at EFL Kinoya Depot.	All cost of accommodation, travel and certificate of participation to be part of training package.	

**General Information**

<b>1</b>	Name and Address of the Bidder:	
<b>2</b>	Contacts:	
<b>3</b>	Telephones:	
<b>4</b>	E-Mail:	
<b>5</b>	Mobile No:	
<b>6</b>	Name of Chief Executive Office	
<b>7</b>	Sales Tax/Commercial Tax/CST nos.	
<b>8</b>	Service Tax No.	
<b>9</b>	Income Tax No.	
<b>Name of Authorized Person</b>		
<b>Signature of the Bidder</b>		
<b>Company Stamp</b>		
<b>Date</b>		

**Note for Local Bidders (Bidders from Fiji):**

Provide valid certificate copies of the below documents together with your bid submission:

- FNPF Compliance
- Tax Compliance
- FNU Compliance

## 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 29<sup>th</sup> March, 2023.**

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.**