

**Tender for Pit Installation, Pulling, and Laying of  
Underground Fiber Between Waqadra  
Substation and Denarau Substation**



**MR 109/2020**

## **1. Purpose and description of the Tender**

As part of improving the reliability of the electricity supply to the popular tourist destination of Denarau Island, EFL is embarked into a project of laying 33kV underground power cable from the EFL's Waqadra Substation to the Denarau Island EFL Substation.

EFL has also decided to install and lay its 36 Core Single Mode Underground Fiber Optic Communication Cable along with the new 33kV underground power cable, which is already being laid, route to facilitate its requirement for the Protection System between the two Substations, which requires a faster communication link.

Through this Tender, the Energy Fiji Limited (EFL) is inviting Bidders from reputable Local Registered Companies to submit their Bid for the following:

- 1) Pulling and Laying of a 12km 36 Core Single Mode Underground Optical Fibre Cable.
- 2) Installation and Secured Fiber Loops (every Pit installed) and Fiber Enclosures (as specified by EFL Engineers) in Underground Cable Pit.

Conduit and draw wire will be laid by the cable construction contractor.

## **2. Scope of Works**

The scope of works below are required to be undertaken by contractor:

- 1) **Lay and Pull a 12km of 36 Core Single Mode Underground Fiber Optic Cable** between EFL Waqadra Substation and Denarau Island EFL Substation – detail route will be provided during the initial survey period (Site Visit) in which all potential Bidders are required to attend. Bidder/s who does not attend the Site Survey Visit will not be considered.
- 2) Install a secure underground fiber cable pit in every 200m – 300m or otherwise identified by EFL Technical Representative to facilitate fiber loops and enclosures. Approximately a total of 40 - 60 pits should be expected.
- 3) The Bidder shall properly coil and secure 50 meters of fiber loop in every underground pit installed.
- 4) All installed underground cable pit **MUST** be properly sealed and enclosed, to prevent water entry.
- 5) The left over fibre debris to be disposed properly as per OHS requirement.
- 6) The sites and along the fiber route are to be left in clean and in tidy condition after the fiber pulling, laying and pit installation works is fully completed, commissioned, and handed over to the designated EFL Technical Representative.
- 7) The bidder shall ensure that safety cones/signs are properly installed around work areas as per safety and FRA requirements.

The underground cable duct for the underground fiber has been buried along the 33kV Underground Power route with a draw wire in place to facilitate the pulling of the fiber optic cable.

## **3. Cost Details**

Bidders shall use the table below to list the item with its associated cost.

**ALL PRICE OFFERED MUST BE IN FIJIAN DOLLAR VAT INCLUSIVE.**

<b>Work</b>	<b>QTY</b>	<b>Unit Price, (FJD VIP)</b>	<b>Total Price, (FJD VIP)</b>
<i>Installation of Underground Pits</i>			
<i>Proper Pulling and Laying of a 36 Core Single Mode Underground Fiber (10 – 12km).</i>			
<i>Proper Installation and Securing of the Required Underground Fiber Optic Cable Enclosures and Loops Along the Specified Underground Fiber Route.</i>			

**Specification:**

12.3 General Requirement – Fibre Pulling and Underground Pit Installation

- a). Warranty – not less than 24 months
- b). Services provided to be of high and professional standard.
- c). Work done as per the details provided.
- d). After service and support.
- e). Delivery timeline of full completion of installation work to be specified.

**4. Eligibility/ Selection Criteria of the Bidder**

The Bidder shall be a Local Legal Contractor or Entity who is qualified and well versed and trained for underground optic fiber cable pulling and laying, and also have depth experience in underground optical fiber and pit installation.

The Bidder shall submit the Names/Contacts, References of Local Companies, Utilities, or Projects where they have previously undertaken the work which are similar in nature.

**A detailed information regarding how the Bidder is going to carry out the installation (pulling and laying) of underground cable pit and underground fiber, shall be clearly outlined.**

**5. Bidder Details**

The Bidder shall provide all the necessary information and fill the table on page 4 while submitting their bids.

<b>General</b>
<b>The registered name of the Bidder:</b>
<b>Business address for correspondence:</b> <i>(Location, Street , Locality City, Postal Address, Telephone, Facsimile, Email ,Other such as Skype)</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, Postal Address</i> <i>Location, Street, Country, Telephone(Landline &amp; Mobile), Facsimile, Email, Web address</i>
<b>Include the organisations years of experience in this field and reputation in the market place.</b>
<b>Company Registration Details (<u>Local Bidders ONLY</u>): [if not a registered vendor with EFL]</b>
<ul style="list-style-type: none"> <li>• Business Registration Certificate</li> <li>• VAT Registration Certificate</li> <li>• Particulars of Company with Registrar of Companies</li> <li>• Credit Application form, if any for a 30 days account</li> </ul>

## **6. Other value added services**

The bidder is open to include any other information that may add value to their service and after sales services.

## **7. Technical Support**

1. Bidder should provide all details of what technical support is available to EFL to make better use of supplier's service.
2. Include relevant manuals and instructions for proper care and handling of the **Pulling, Laying and pit installation of underground Optic Fiber cable.**

## **8. Defects warranty period**

The *Pulling, Laying and underground pit installation/construction of Optic Fiber cable* is to be supplied with a Warranty Period of not less than 12 months from the date of the completion of the *Pulling, Laying and pit construction of underground Optic Fiber cable* works. During the Warranty Period, defective *work* shall be carried out at the expense of the successful bidder.

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

1. Company / Vendor's warranty on the services.
2. Method of replacement or reimbursement of faulty / defective workmanship.
3. Lead time including service time.
4. The bidder must provide details of companies where similar work have been carried out.
5. It is mandatory for the Bidders to provide full specification of *Pulling, Laying and pit installation/construction of underground Optic Fibre cable* as part of the tender document.
6. FNPF Compliance certificate.
7. FRCS Compliance certificate.

## **9. Price Validity**

The price shall remain valid for acceptance within 90 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.

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 shall pay the invoice amount within 30 days of receipt of the invoice subject to the *Pulling, Laying and Pit installation/construction of Underground Optic fiber cable* being received in good order and condition.

All bidders will be required to provide a 30-day credit account.

## **11.0 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:

<b>No.</b>	<b>Components</b>	<b>Weighting (%)</b>
<b>1.</b>	Financial Components & Mode of payment <i>Refer to section 9 &amp; 10.</i>	40 %
<b>2.</b>	Quality of Work as per the specification requirements <i>Refer to section 2.</i>	40 %
<b>3.</b>	Delivery timeframe <i>Refer to section 4.</i>	10%
<b>4.</b>	Warranty <i>Refer to section 8.</i>	10%

## **12.0 Submission of Tenders**

**Two (2) hard copies** of the tender bids in sealed envelope shall be deposited in the tender box located at the Supply Chain Office at the EFL Head Office, 2 Marlow Street, Suva, Fiji.

Each tender shall be sealed in an envelope with:

- a). The envelope bearing only the following marking:
  - **Tender – MR 109/2020 – Pit Installation, Pulling and Laying of Underground Fiber between Waqadra Substation and Denarau Substation**
  - **The Secretary, Tender Committee**
  - Energy Fiji Limited**
  - Supply Chain Office**
  - Private Mail Bag**
  - Suva**
  
- b). It must also indicate the name and address of the tenderer on the reverse of the envelope.

**Tenders received after 4:00pm on the closing date of Wednesday the 20<sup>th</sup> of May 2020 will not be considered.**

**Lowest bid will not necessarily be accepted as successful bid.**

**All late Tenders, Unmarked Envelopes and Envelopes without bidder's name and address on the reverse will be returned to the Tenderers.**

For further information or clarification please contact our Supply Chain Office on phone **(+679) 3224360** or **(+679) 9991587**.

## **TENDER FORM**

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. FNU Compliance Certificate (Local Bidders only)

15. Number of Branches & locations: \_\_\_\_\_

16. Years of Experience: \_\_\_\_\_

17. Area of business Specialization:  Manufacturer & Supplier

*[Please tick where applicable]*

Retailer

Licensed Agent

Others, please specify

\_\_\_\_\_  
\_\_\_\_\_

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

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

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

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

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



**General Requirement**

#	<b><u>General Requirement</u></b>	<b>Please Tick (✓)</b>	<b>Describe in detail</b>
a).	Warranty – not less than 12 months.		
b).	Services provided as per the details provided.		
c).	After service and support.		
d).	Delivery Time		
e).	Validity of price		
f).	Supply shall be able to provide 30 day credit account		
g).	FNPF Compliance Certificate		
h).	FRCS Compliance Certificate		

**APPENDIX:**

1.) Underground Pit Dimension:

Length – 84.5cm, Width – 54.5cm, Depth – 60.5cm



2.) Underground Fiber Pit, Enclosure, and Loop Approximate Locations:

<b>Point No.</b>	<b>Dist from Waqadra</b>	<b>Cable Pit</b>	<b>Enclosure</b>	<b>Loop</b>	<b>Remark</b>
1					
2					
3					
4					
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