

**Tender for Pulling, Laying and Splicing of
Underground Fibre Optic Cable between
Vatuwaqa Substation-Cunningham,
Cunningham-Kinoya, Kinoya-Vatuwaqa
Substation.**



MR 56/2015

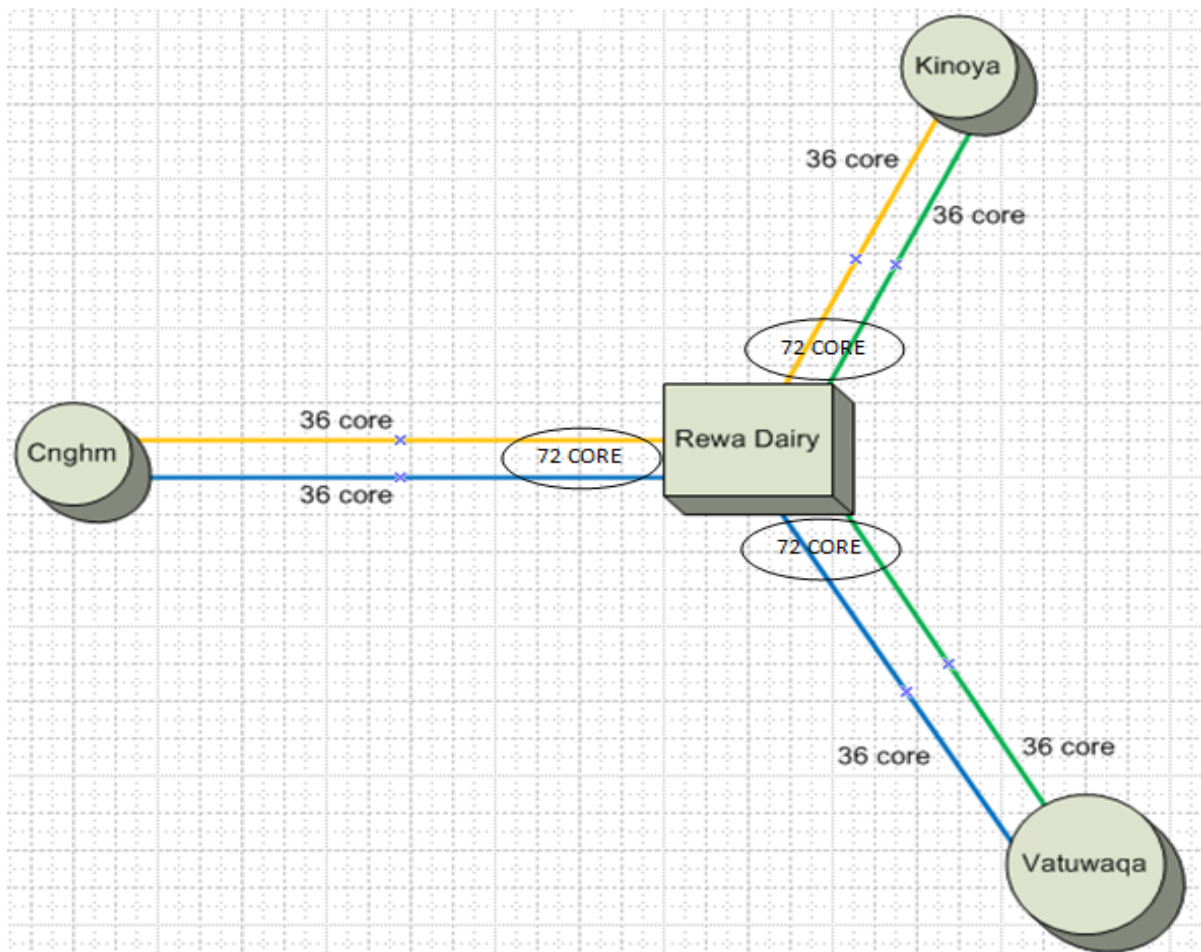
Pulling, Laying and Splicing of Underground Fibre Optic Cable

1. Purpose and description of the Tender

FEA is undergoing underground cable construction work between Vatuwaqa substation-Kinoya PS, Kinoya PS-Cunningham Substation and Cunningham Substation-Vatuwaqa substation in order to improve the reliability of the electricity supply within the main Central Business District (CBD) area.

To facilitate its protection requirement for faster communication between the three sites, FEA has decided to install an underground fiber optic link along the new 33kV cable route.

Proposed 72 Core underground fibre optic cable



Through this tender, the Fiji Electricity Authority (FEA) is inviting bidders from reputable Companies to bid for the following:

- 1) Laying and Pulling of underground optic fibre cable.
- 2) Installation of a secure loop storage underground cable pit.
- 3) Provision of the 72 x splicing tray and Racks between the three sites.
- 4) Installation, splicing, testing and commissioning of the fiber link.

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 72 core Underground fiber Optic cable between Vatuwaqa-Cunningham, Cunningham-Kinoya, Kinoya–Vatuwaqa routes; detail route will be provided during the initial survey period in which all bidders are required to attend.
- 2) Construct and install a secure manhole/pit in every 200m or otherwise identified by FEA to facilitate fiber loops.
- 3) The bidder shall properly coil and secure 50 meters of fiber in every manhole installed in every 200m interval.
- 4) The bidder shall provide and install fiber rack and splicing tray and all required fiber accessories required during splicing for both sites.
- 5) The bidder shall carry out ALL splicing, testing and commissioning of all fibers installed and provide detail commissioning report verifying the test results obtained.
- 6) Carry out splicing at various points (joints) along the route as required by FEA which will be discussed during the site visit.
- 7) The bidder shall be responsible for the provision of the enclosure to facilitate the splicing of joints.
- 8) The bidder shall be required to provide all the fiber materials and accessories (if required) to facilitate the complete connectivity between Suva Substation to Vatuwaqa Substation fiber link.
- 9) The left over fibre debris to be disposed properly as per OHS requirement.
- 10) The sites are to be left in clean and in tidy condition after the fiber pulling, laying and splicing works.

The duct will be buried along the 33kV underground 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.

Work	Descriptions	QTY	Unit Price, (FJ \$) VIP	Total Price, (FJ \$) VIP
<i>Laying and Pulling of Optic Fiber cable</i>				
<i>Supplying and installing secure fiber optic manhole/pits to facilitate fiber loops including manhole top cover.</i>				
<i>Securing Fiber Enclosure</i>				



<i>manhole fence.</i>				
<i>Supply of Fiber Trays, pigtails, racks, enclosures, fiber accessories.</i>				
<i>Splicing, testing, and commissioning</i>				

Specification:

12.3 General Requirement – Equipment supplied and installation of manhole

- a). Warranty – not less than 12 months
- b). Services provided to be of high standard.
- c). Work done as per the details provided.
- d). After service and support.

4. Eligibility/ Selection Criteria of the Bidder

The bidder shall be a contractor who is qualified, well versed and trained for underground optic fiber cable pulling, laying and also have prior experience in optical fiber underground pit construction.

The vendors 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 (laying and pulling) shall be clearly outlined.

5. Bidder Details

The Bidder shall provide all the necessary information and fill the table on page 9 while submitting their bids.

General
The registered name of the Bidder:
Business address for correspondence: <i>(Location, Street , Locality City, Postal Address, Telephone, Facsimile, Email ,Other such as Skype)</i>

Contact name of the Authorised Person:
Contact's position: <i>Contact addresses if different from above</i> <i>Locality City, Postal Address</i> <i>Location, Street, Country, Telephone(Landline & Mobile), Facsimile, Email, Web address</i>
Include the organisations years of experience in this field and reputation in the market place.
Company Registration Details (<u>Local Bidders</u> ONLY): [if not a registered vendor with FEA]
<ul style="list-style-type: none"> • Business Registration Certificate • VAT Registration Certificate • Particulars of Company with Registrar of Companies • Credit Application form, if any for a 30 days account

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

8. Defects warranty period

The *Pulling, Laying and underground pit 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 construction of underground Optic Fibre cable* as part of the tender document.



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

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

The payment will be paid in the currency of the successful bidder/supplier as follows:

- (i) Fijian dollars for local supplier.
- (ii) Foreign currency to the overseas bank account nominated by the overseas supplier.

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

13.0 Tender Evaluation

After the bids are received, it will go through a normal tender evaluation process as per FEA’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 & Mode of payment <i>Refer to section 10 & 11.</i>	40 %
2.	Quality of Work as per the specification <i>Refer to section 12.</i>	40 %
3.	Delivery timeframe <i>Refer to section 4.</i>	10%
4.	Warranty <i>Refer to section 9.</i>	10%

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 FEA Head Office, 2 Marlow Street, Suva, Fiji.

Courier charges for delivery of Tender Document must be paid by the bidders.

This tender closes at 4:00pm, on Wednesday 22nd of April, 2015.

Each tender shall be sealed in an envelope with:

The envelope bearing only the following marking:

Tender- MR 56/2015 – Pulling, Laying and Splicing of Underground Fibre Optic Cable

The Secretary, Tender Committee
Fiji Electricity Authority

Supply Chain Office

Private Mail Bag, Suva

It must also indicate the name and address of the tenderer on the reverse of the envelope.

All late tenders, unmarked Envelopes and envelopes without bidder's name and address on the reverse of the envelope. (Bids via e-mail or fax will not be considered).

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. Number of Branches &

locations: _____

15. Years of

Experience: _____

16. 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

#	<u>General Requirement</u>	Please Tick (✓)	Describe in detail
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		