

Tender for supply of Single Mode underground fibre cable and accessories for Cunnigham Substation to Sawani Substation link



MR 55/2026

Supply of Single Mode underground fibre cable and accessories for Cunnigham Substation to Sawani Substation link

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. SBA – Strategic Business Area

Term/Phrase	Definition
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
ODF	Optic Fiber Distribution Frame

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2. Purpose and description of Tender

Energy Fiji Limited plans to connect Cunningham Substation and Sawani Substation using underground Fiber Optics link. This link will ensure redundancy ,reliabilty and a fault torerance network.

3. Scope

The scope of this project is to supply 6 x 3km drum of 72 core underground single mode fibre and accessories that will be installed from Cunningham Substation to Sawani Substation, along the Princes road.

The bidders shall provide all technical specifications and testing parameters of the fibre that they are offering to ensure that it complies with the international standards associated with underground single mode fibre.

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 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.

5. Delivery

All required equipment & accessories shall be addressed/delivered to **ICT Workshop, Kinoya, Fiji**. 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
The registered name of the Bidder:
Business address for correspondence: <i>(Location, Street , Locality City, Pin Code, Country, Telephone, Facsimile, Email Other)</i>
Contact name of the Authorised Person:
Contact's position: Contact addresses if different from above <i>Locality City, Pin Code</i> <i>Location, Street, Country, Telephone, Facsimile, Email, Web address</i>
Business structure:
Include the organisations years of experience in this field and reputation in the market place.

7. 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 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 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 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 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, 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 / Compliance

MINIMUM SPECIFICATIONS WHICH THE FIBRE CABLE & ACCESSORIES SHALL COMPLY

1. 72 core SM Fibre Optic Cable shall meet the following minimum specifications:

1.1. The cable shall be manufactured to the following standards:

- 1.1.1. IEC 60794-1-2-E1
- 1.1.2. IEC 60794-1-2-E3
- 1.1.3. IEC 60794-1-2-E4
- 1.1.4. IEC-60794-1-2-E7

- 1.1.5. IEC-60794-1-2-E11
- 1.1.6. IEC-60794-1-2-E18
- 1.1.7. IEC-60794-1-2-F1
- 1.1.8. IEC-60794-1-2-F5B
- 1.1.9. ITU-T G.650
- 1.1.10. ITU-T G.652
- 1.1.11. EIA/TIA 596
- 1.1.12. ISO 9001

1.2. GENERAL

The underground fibre optic cable shall be unarmoured and shall be suitable for underground installation in pipes. The cable should be of low weight, small volume and high flexibility. The mechanical design and construction of each unit shall be inherently robust and rigid under all condition of operation, adjustment, replacement, storage and transport.

1.3. Colour Coding & Fibre Identification

Color Coding & Fibre Identification Individual optical fibre within a fibre unit, and fibre units shall be identifiable in accordance with EIA/TIA 598 or IEC 60304 or Bellcore GR-20 colour-coding scheme. The color coding system shall be discernible throughout the design life of the cable. Coloring utilized for color coding optical fibre shall be integrated into the fibre coating and shall be homogenous. The color shall not bleed from one fibre to another and shall not fade during fibre preparation for termination or splicing. Each cable shall have traceability of each fibre back to the original fibre manufacturer's fibre number and parameters of the fibre. If more than the specified number of fibre are included in any cable, the cable manufacturer shall test the spare fibre and any defective fibre shall be suitably bundled, tagged, and identified at the factory. The coloring scheme shall be submitted along with the cable DRS/drawing for Employer's approval.

1.4. Strength Members

The central fibre optic unit should include a central strength member of Fibre Reinforced Plastic (FRP) or other suitable material. Peripheral strength members and aramid yarns are also acceptable. The central FRP strength member may be slotted type with SZ lay (reverse oscillation lay) of fibre units or it may be cylindrical type with helical lay of fibre units

1.5. Filling Compound

The interstices of the central fibre optic unit and cable shall be filled with a suitable compound to prohibit any moisture ingress or any longitudinal water migration within the fibre optic unit or along

the fibre optic cable. The water tightness of the cable shall meet or exceed the test performance criteria as per IEC60794-1-2-F5. The filling compound used shall be a non-toxic homogenous waterproofing compound that is free of dirt and foreign matter, anti-hygroscopic, electrically nonconductive and non-nutritive to fungus. The compound shall also be fully compatible with all cable components it may come in contact with and shall inhibit the generation of hydrogen within the cable. The filling compound shall remain stable for ambient temperature up to +70°C and shall not drip, flow or leak with age or at change of temperature. Reference method to measure drip point shall be as per IEC 60811-5-1 and drip point shall not be less than 70°C

1.6. The Sheath / Inner jacket

The sheath shall be black, smooth, concentric, and shall be free from holes, splits, blisters and other surface flaws. The sheath shall be extruded directly over the central fibre optic unit and shall also be non-hygroscopic. The cable sheath design shall permit easy removal without damage to the optical fibres or fibre units. The sheath shall be made from good quality of weather resistant polyethylene compound (Black High Density Polyethylene- HDPE) and thickness shall be > 1.8mm.

1.7. The Outer Jacket/ Termite protection

A circular jacket of not less than 0.65mm Polymide-12 (Orange Nylone-12) material should be applied over the sheath as an outer jacket. The outer jacket shall have smooth finish and shall be termite resistant.

1.8. Rip Cord:

Suitable rip cord(s) shall be provided to open the outer sheath of the cable. The rip cord(s) shall be properly waxed to prevent wicking action and shall not work as a water carrier. 3.2.7 Mechanical Parameters & Test: The offered cable shall meet requirement of mechanical characteristic & tests specified in latest TEC specifications.

1.9. Cable drums,

Marking, Packaging and Transport All optical fibre cable shall be supplied on strong metallic drums provided with lagging with adequate strength, constructed to protect the cabling against all damage and displacement during transit, storage and subsequent handling during installation. The cable drum shall be suitable to carry underground fibre optic cable of length up to 3 Km ± 1%. The Employer shall approve drum schedule before manufacturing the FO cable. Both cable ends in the drum shall be sealed and shall be readily accessible. The drum shall be marked with

arrows to indicate the direction of rotation. Both the ends of the cable shall be provided with pulling eye. The pulling eye and its coupling system should withstand the same tensile load as applicable to the cable.

The following marking shall be done on each side of the cable drums

1	Manufacturers name	8	Inspected by
2	Customers Name and address	9	Drum No.
3	Customer Order Number	10	Reel ID
4	Kind and Size (Cable Description)	11	Ship Length
5	Order Length	12	Gross Weight
6	Outside sequential	13	Net Weight
7	Inside sequential	14	Date

2. Enclosure

2.1. Can be used for both underground and aerial installation and shall support a minimum of 72 splicing. **Prefer Coyote Enclosure.**

13. Delivery Timeline

Bidders shall provide clear timelines of when the fibre optic cables will be delivered after receiving the Purchase order. This timeline will be used in the contract and will be strictly monitored to ensure delivery is made within the timeline due to the critical nature of this project.

14. 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 carton, crate or pallet. The bidder must ensure proper and suitable packing of the item before dispatch to avoid damages during transit.

15. Cost Details

Bidders shall use the table below to list summary of cost associated with this tender. For **OVERSEAS** bidders their prices shall be **quoted in their currency with CFR freight term** and the port of delivery is Suva. For **LOCAL** bids only, price shall be quoted in FJD (VIP), i.e. price is inclusive of duty and tax

No	Description	QTY	Unit	Unit Price (\$)	Total Price (VIP – FJD \$)
1	72 Core Under Ground SINGLE MODE FIBER OPTIC CABLE	6 drums	3km/drum		
2	Enclosure for 72 core Underground OFC	10	N/A		
3	72 core fibre full kit splicing tray (Warren and Brown) – Subrack 72F Splice (connector type SC-UPC) Part No. 6008322130081L	8	N/A		
4	SC-UPC to LC Patch lead (5m) – Part Number T990237 – (Warren and Brown)	200	N/A		
Total VIP Price (FJD \$)					

16. 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.

Payment Details	Description	Percentage payment
Payment	Successful delivery of all fibre optic cable and accessories as per tender requirements. For fibre, payment will be made after successfully testing each fibre optic drum to compare with the specifications provided by the bidder.	100%

17. 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 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.

18. 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 72 core single mode underground fibre optics cable and accessories.

19. 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 %

20. Submission of Tender

20.1. Bidders

Electronic copies of the **document/files** for the tender bid must be clearly numbered and named.

Electronic copies of the tender bid must be uploaded in the **TENDER LINK** Electronic Tender Box no later than **4:00pm, on Wednesday 01st April, 2026**.

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

Tenders received **after 4:00pm (1600hrs Fiji Time)** on the closing date of **Wednesday 01st April, 2026, 2026** 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 tenders@efl.com.fj ; or by phone **(+679) 3224360** or **(+679) 9991587**.

21. Compulsory Submission Forms

21.1. 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

#	<u>General Requirement</u>	Describe in detail by citing evidence such as document number, clause and page number(s).
a).	Warranty details and warranty period of each item 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 30days after delivery of items to EFL.	
e).	Does not require advance payment before delivery of items.	
f).	Be able to provide back up support, spare parts and manual for basic maintenance.	
g).	Delivery time frame clearly stated in the bid response?	
h).	Proven that the product supplied has been deployed and used in similar application.	
i).	Validity period of the price.	
j).	Letter from Manufacturer to state that the bidder is the authorised distributor or reseller of product offered.	
k).	Any other Value Added Services.	

21.2 Cost Local Bidders

No	Description	QTY	Unit	Unit Price (\$)	Total Price (VIP – FJD \$)
1	72 Core Under Ground SINGLE MODE FIBER OPTIC CABLE	6 drums	3km/drum		
2	Enclosure for 72 core Underground OFC	10	N/A		
3	72 core fibre full kit splicing tray(Warren and Brown)	8	N/A		
4	Pigtails	200	N/A		
	Total VIP Price (FJD \$)				

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

No.	Description	QTY	Unit	Currency	Unit Price (\$)	Total Price (\$)
1	72 Core Under Ground SINGLE MODE FIBER OPTIC CABLE	6 drums	3km/drum			
2	Enclosure for 72 core Underground OFC	10	N/A			
3	72 core fibre Single Mode full kit splicing tray(Warren and Brown)	8	N/A			
4	Pigtails	200	N/A			
Total Price (VEP \$) - CIF (Suva)						

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 (Suva Port).

Delivery Timeframe: _____ Weeks

21.2. Check List

No.	Item
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 in NZ and Australia where the fibre optic product has been supplied to.
9.	Appendices: Any other information and Value Added Service.
10.	<p>Local Bidders are to supply the following along with their bid:</p> <ul style="list-style-type: none"> • FRCS Compliance Letter • FNPF Compliance Letter • FNU Compliance Letter (this is in place of the Workman's Compensation)

APPENDIX

1. Metallic drum and Underground cable.



Note: Underground cable needs to be coiled on the metallic drum and shipped to Kinoya ICT Workshop, Suva.

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. FNP Employer Registration Number: _____ **(For Local Bidders only) (Mandatory)**

10. **Provide a copy of Valid FNP 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 01st April, 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

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.