

TENDER NO: MR 269/2022

**Supply of Multicore 110V DC Control Cables and AC Cables
for 33kV Disconnecter Upgrade Project**

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1 INSTRUCTIONS TO TENDER

1.1 GENERAL

The Energy Fiji Limited is a statutory body vested with the responsibility for the provision of electricity supply throughout Fiji. EFL is currently carrying out 33kV Outdoor Disconnect Upgrade works. The scope for this tender is for the supply of multicore 110V DC control cables and AC cables for this project.

1.2 TYPE OF TENDER

The Tenderer shall submit a fixed price tender. This requirement shall apply equally to the conforming tender as well as any alternative tender.

1.3 COMPLIANCE WITH INSTRUCTIONS

The Tender shall be submitted in accordance with these Instructions and the letter of invitation to tender. All the necessary forms and schedules need to be completed and submitted with the tender.

1.4 ADDENDUM TO TENDER

Where EFL finds it necessary to make amendments to or clarify the requirements of the tender documents during the period of tendering, an Addendum will be uploaded to the EFL website/tender link.

1.5 COMPLIANCE WITH SPECIFICATION

The tender shall be based on the equipment and work specified and shall be in accordance with the Technical Specification. It should be noted that unless departures from specifications are detailed in Schedule I of the Technical Specification, the tender would be taken as conforming to the Specification in its entirety. The Tenderer shall tender for the whole of the Works included in the Specification.

1.6 DELIVERY PERIODS

The Tenderer shall submit his tender on the basis which will permit the Works to be completed under normal circumstances by the completion dates stated in Schedule 3 of the Technical Specification. Suppliers with delivery of 4 weeks after the issuance of the purchase order.

1.7 CURRENCY

The tender shall be in the currency of the Tenderer's home country. All local companies registered in Fiji shall bid in VIP and Duty inclusive. For overseas currencies, bid are to be in DAP to EFL Kinoya Depot and all duties, VAT and customs clearance charges shall be paid by EFL.

1.8 SIGNATURE OF TENDERER

A tender submitted by a Partnership shall be signed by one of the members of the Partnership and shall be accompanied by a certified authorization of all the partners authorizing the individual partner to sign on behalf of the Partnership. A tender submitted by a Corporation to the Contract and shall be accompanied by a certified resolution of the Board of Directors authorizing the individual to sign on behalf of the Corporation.

1.9 INFORMATION FORMING PART OF THE TENDER

The Tenderer shall supply with each set of the tender copies of the technical, price and information schedules of the Tender Documents duly completed with all missing information and shall also supply requisite drawings. A copy of the Tenderer's covering letter (if any) shall be submitted with each tender and each tender shall be accompanied by a full set of supporting matter which the Tenderer wishes to have considered by EFL as supporting information for his tender. It is a mandatory requirement to submit the following documents as part of the tender proposal:

1. Tender Covering Letter with signature/seal of authorised signatory
2. Price schedule
3. Technical Information or datasheet of the item being tendered
4. Test certificates
5. Detail of past experience in similar nature of work
6. Confirmation of Insurance Policies

1.10 CONFORMING AND ALTERNATIVE TENDERS

No alternative bids shall be accepted.

1.11 NON CONFORMING TENDERS

A tender which does not comply with the Conditions of Tendering or in which the technical price information schedules requiring information to be inserted by the Tenderer have not been completed in all respects may be considered informal will be rejected for these reasons.

1.12 VALIDITY PERIOD OF TENDERS

Tenders shall remain valid for acceptance within **90 days** from the date of opening of tenders and a Tenderer shall not withdraw or amend his tender prior to the expiration of the Validity Period. In exceptional circumstances prior to expiry of the original tender validity period, EFL may request the Tenderer for an extension in the period of validity. The request and the response thereto shall be in writing. A tenderer agreeing to the request will not be permitted to amend his tender price.

1.13 EXTENSION OF CLOSING TIME FOR TENDERS

The right is reserved to amend the date set for the opening of tenders to any late date. If it is decided to extend the time for submission of tenders. All prospective Tenderers to whom tender documents have been issued will be promptly notified.

1.14 MANDATORY LODGEMENT OF TENDER

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) Fiji Time on Wednesday 26th October, 2022.

For further information or clarification please contact our Supply Chain Office on phone 3224360/ 9992400/ 9987085 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.

1.15 DEADLINE FOR SUBMISSION OF BIDS

Bids must be received by the Employer at the address specified above no later than 1600 hours (Fiji Time) Wednesday 26th October, 2022.

The Employer may, at its discretion, extend the deadline for submission of bids by issuing an addendum, in which case all rights and obligations of the Employer and the bidders previously subject to the original deadline will thereafter be subject to the deadlines extended.

1.17 TENDER EVALUATION

After a preliminary analysis to ascertain whether or not the tender is in accordance with the requirements of the tender documents, each tender will be considered with particular reference to its eligibility as being a manufacturer, offer testing facilities in its workshop, price, completion date, design capability, evidence of past performance on contracts of a similar nature, supply of reliable & quality equipment, relevant certification and all other matters affecting the Tenderers ability to complete the Contract in accordance with EFL's requirements.

1.18 ADJUSTMENT OF ERRORS

EFL reserves the right to adjust arithmetical or other errors in the Tender. Any adjustments made by the Authority to a Tender will be stated to the Tenderer prior to acceptance of the Tender. In the event of discrepancies appearing between words and figures in the Tender, the words shall prevail.

1.19 ACCEPTANCE OF TENDERS

EFL shall not be bound to accept the lowest bid or assign any reason for the rejection of a tender and reserves the right to waive any informality in a tender. No tender shall be deemed

to have been accepted unless such acceptance is notified to the Tenderer by notice in writing either by handing such notice to the representative of the successful Tenderer or by sending such notice by e-mail. Such notice shall include any essential identifying details of the tender. The date of acceptance of Tender shall be the date on which the above mentioned notice is given or e-mailed.

1.20 LANGUAGE OF TENDER

All Tenders together with any documents submitted by the Tenderer as part of any Tender shall be typed in the English language. **Hand written tender submissions will be disqualified.**

1.21 PAYMENT SCHEDULE

The contract shall be on a lump sum fixed price basis. 100% of the payment will be made upon receipt of goods by EFL at Kinoya Depot.

1.22 CONDITIONS OF CONTRACT

The Conditions of Contract shall be the AS/NZS 4911:2003 – General Conditions of Contract for the Supply of Equipment without Installation.

1.23 INSURANCE

The Contractor is to confirm that they have in effect the insurance policies below:

1. Public and Products Liability Insurance
2. Industrial Special Risk Insurance

2 SCOPE

The scope of works for contract is for the Supply, packing and shipping/transportation to EFL Kinoya Depot of the following

2.1 Supply of Unarmored DC Control Cable

The contractor shall supply the following quantity of unarmored DC cables with the following sizes. Each cable shall include earth core and all cores shall be labelled.

Cable Description	Cable Size	No. of Cores	Voltage rating	Operational Voltage	Cable length (metres)
Unarmoured DC cable	2.5 mm ²	12 + E	0.6/1kV	110V DC	1500
	2.5 mm ²	20 + E	0.6/1kV	110V DC	500

2.2 Supply of Unarmored AC Power Cable

The contractor shall supply the following quantity of unarmored AC cables with the following sizes. Please note, for "2 + E", there shall be two cores of copper wire plus a core of earth wire separately. Same for "4 + E", there shall be three cores of copper wire plus a core of earth wire separately.

Cable Description	Cable Size	No. of Cores	Voltage rating	Operational Voltage	Cable length (metres)
Unarmoured AC Cable	2.5 mm ²	2 + E	450/750V	240/415V	1000
	2.5 mm ²	4 + E	450/750V	240/415V	500
	16mm ²	4	450/750V	240/415V	100
	16mm ²	2	450/750V	240/415V	100

3. Specification

3.1 Climatic Conditions

The Service Conditions applicable in Fiji Islands, at the location of substation site are given below:

Height above sea level	Not exceeding 1000m
Atmosphere	Saliferous, corrosive and dusty
Ambient temperature	Peak : 40°C
	24 hour average : 35°C
	Annual average: 30°C
	Minimum: 10°C
Relativity Humidity (Average)	85%
Rainfall	Annual Average: 1900mm
Wind speed	Sustained: 55m/s
	Gusts : 70 – 110m/s
Isokeraunic level	60 thunder days per year
Seismic	To a maximum of 7 on the open-ended Richter Scale

Note: Fiji is situated in a region where cyclones are experienced frequently. All plant and equipment shall be designed and constructed to withstand these extreme conditions. Cables will be installed in cable trances and conduits and be exposed to weathering conditions as stated above.

All plant and equipment shall be rust proof, vermin proof and weather proof and designed to be suitable for a damp, tropical climate, which may be experienced simultaneously.

3.2 DC Cables

The bidder shall comply with the following specifications of the DC Cables. This is for unarmored cables.

	Cable Size		2.5 mm ²	2.5 mm ²
	No. of Cores		12	20
Unarmored DC Cable	Construction Characteristics	With Green Yellow Core	Yes	Yes
		Color	Black	Black
		Outer Sheath	PVC	PVC
		Insulation	V-90	V-90
		Number of Earth Cores	1	1

All the DC cables shall comply with AS/NZS 1125 and AS/NZS 5000.1 standard. All the standard applicable to the above items shall be clearly showed in the bidding document.

All DC cables, Unarmored, shall have one core of earth wire with yellow and green color code. For the above table, bidders shall clearly show if all the required specifications are compiled or not.

For the below table, bidders shall fill in the data for each required specifications for each size of the cables.

	Cable Size		2.5 mm ²	2.5 mm ²
	No. of Cores		12	20
	Unarmored DC Cable	Dimensional Characteristics	Nominal Overall Diameter	
Approximate weight				
Electrical Characteristics		Inductive reactance at 50Hz		
		Max. DC resistance of the conductor at 20 degrees		
		Conductor AC resistance at 50Hz		
		Insulation resistance at 20 degrees		
		Rated Voltage (Um)		

3.3 AC Cables

The bidder shall comply with the following specifications of the AC Cables. This includes both armored and unarmored cables.

	Cable Size		2.5 mm ²	2.5 mm ²	16mm ²	16mm ²
	No. of Cores		2	4	4	2
Unarmored AC Cable	Construction Characteristics	Conductor Material	Copper	Copper	Copper	Copper
		With green/yellow core	Yes	Yes	Yes	Yes
		Outer Sheath	PVC	PVC	PVC	PVC
		Type of Conductor	Stranded Copper	Stranded Copper	Stranded Copper	Stranded Copper
		Number of Earth Cores	1	1	-	-

All the AC cables shall comply with AS/NZS 1125 with PVC sheathed to AS/NZS 5000.1 standard. All the standard applicable to the above items shall be clearly showed in the bidding document.

All AC cables, Unarmored, shall have one core of earth wire with yellow and green color code.

For the above table, bidders shall clearly show if all the required specifications are compiled or not.

For the below table, bidders shall fill in the data for each required specifications for each size of the cables.

	Cable Size		2.5 mm ²	2.5 mm ²	16mm ²	16mm ²
	No. of Cores		2	4	4	2
Unarmored DC Cable	Dimensional Characteristics	Nominal insulation thickness				
		Nominal outer sheath thickness				
		Earth conductor cross section				
		Nominal Overall Diameter				
		Approximate weight				
	Electrical Characteristics	Inductive reactance at 50Hz				
		Max. DC resistance of the conductor at 20 degrees				
		Conductor AC resistance at 50Hz				
		Insulation resistance at 20 degrees				
		Rated Voltage (Um)				

4 Financial

The bidders shall fill the details in the below table for the financial information of the required scope of work. Items are to be delivered to EFL Kinoya Depot excluding devanning cost.

Cable Description	Cable Size	Number of Cores	Cable length (metres)	Price (VIP FJD)
Unarmored DC Cable	4.0 mm ²	12 + E	1500	
	2.5 mm ²	20 + E	500	
Unarmored AC Cable	2.5 mm ²	2 + E	1000	
	2.5 mm ²	4 + E	500	
	16mm ²	4	100	
	16mm ²	2	100	
Total Cable Cost				

General Information

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

Please note, all the required tables shall be filled in order for thorough evaluation purpose. Failure to do so may result in disqualification of the bid.

5 QUALITY OF MATERIALS AND WORKMANSHIP

All cables supplied by the company under this contract shall be new and of the high quality and class most suitable for working under the conditions specified and shall withstand the variations of temperature, atmospheric conditions arising under working conditions without distortion or deterioration or the setting up of undue stresses in any part and also without affecting the strength and suitability of the various parts of the work which they have to perform.

6 STANDARDS

IEC, IEEE and AS/NZS Standards are to be adopted in general. Any other national or international standard may be used if such standards are not less exacting than corresponding IEC Standard. In such an instance a copy of the relevant standard should be forwarded. The following standards (or the current revision of it) shall apply to this tender, but not limited to:

AS/NZS 1125:2001	Conductors in insulated electric cables and flexible cords
AS/NZS 5000.1	Polymeric insulated For working voltages up to and including 0.6/1 (1.2) kV
ISO 9001 Certification	Certification of manufacture and that of raw material supplier

This standard must be specified in the submission.

7 PACKING

Cables shall be carefully packed for transport and shipment in such a manner that it is protected from all dust and climatic conditions during loading, transport, unloading and subsequent storage in the open. 500m length cables to be per wooden cable drum.

8 WARRANTY

The Contractor shall provide warranty for cables supplied for a Period of twenty four [24] months after delivery of the equipment.

9 EVALUATION CRITERION

The evaluation shall be based on all the data bidders provide in the above given tables and the data given regarding the product itself.

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: _____

10 TENDER SUBMISSION - INSTRUCTION TO BIDDERS

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