

# **ENERGY FIJI LIMITED**

# TECHNICAL SPECIFICATION FOR PREFERRED SUPPLIER OF ISOLATING FUSE LINKS AND SOLID LINKS FOR LOW VOLTAGE DISTRIBUTION SYSTEM (LV SWITCH DISCONNECTORS)

MR 118/2024

# **Revision History & Document Control**

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1	Prepared by	Rajiv Singh		30/07/19
2	Reviewed by		Basant Kumar	28/08/19
3	Reviewed by		Mohammed Zainal Alim	19/03/24

# **Next Scheduled Revision**

This technical specification is due for review in March 2027.

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EFL will not accept any hard copy submission to be dropped in the tender box at EFL Head Office in Suva. Error! Bookmark not defined.

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. ...... Error! Bookmark not defined.

## 1. INTRODUCTION AND SCOPE OF WORK

Energy Fiji Limited [EFL] is responsible for generation, transmission and distribution of electricity in Viti Levu, Vanua Levu, Ovalau and Taveuni in Fiji. By January 2023, the EFL had 215,515 customers. This included residential, commercial and institutional customers.

EFL is requesting proposal for the Preferred Supplier to supply items listed below for EFL's consumption to carryout repair, Construction and maintenance of Power line Network in Fiji.

The preferred Supplier arrangement will be for a period of three (3) years from the date of signing of the contract. The award of this Tender may be split and awarded to more than one successful bidder.

This document outlines the technical requirements for Fused Isolating Links and Solid Isolating Links for use in EFL's low voltage distribution network.

The items covered by this specification are listed below:

No.	Stock Code	Item Description	Rating
1	105058	LV Fuse Isolating Link	660 Volts – 400 Amps
2	105066	LV Solid Isolating Link	660 Volts – 400 Amps

Table 1.1: Items Covered Under this Specification

This Specification covers the general requirements of design, manufacture, testing, supply and delivery of Fused Isolating Links and Solid Isolating Links to be used in EFLs low voltage distribution network.

# 1 INSTRUCTIONS TO BIDDERS

# 1.1 Eligible Bidders

This invitation is open to all Bidders who have sound Financial Background, and have previous experience in design, manufacture, testing and supply of such pole-mounted and platform-mounted transformers.

Bidders shall provide such evidence of their continued eligibility satisfactory to EFL as EFL shall reasonably request. Bidders who are not manufacturers of such transformers shall provide evidence of agency.

Bidders shall not be under a declaration of ineligibility for corrupt or fraudulent practice.

# 1.2 Eligible Materials, Equipment and Services

The materials, equipment, and services to be supplied under the Contract shall have their origin from reputable companies (as specified by EFL where relevant) and from various countries and all expenditures made under the Contract will be limited to such materials, equipment, and services. Upon request, bidders may be required to provide evidence of the origin of materials, equipment, and services.

For purposes of this Contract, "services" means the works and all related services including design services.

For purposes of this Contract, "origin" means the place where the materials and equipment are mined, grown, produced or manufactured, and from which the services are provided. Materials and equipment are produced when, through manufacturing, processing or substantial or major assembling of components, a commercial recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.

The materials, equipment and services to be supplied under the Contract shall not infringe or violate any industrial property or intellectual property rights or claim of any third party.

## 1.3 One Bid per Bidder

Each bidder shall submit only one bid. A bidder who submits or participates in more than one bid will cause all those bids to be rejected.

## 1.4 Cost of Bidding

The bidder shall bear all costs associated with the preparation and submission of its bid and EFL will in no case be responsible or liable for those costs.

## 1.5 Site Visits

Bidders can visit existing EFL networks by making arrangements to visit existing EFL installations. Bidders are required to familiarize themselves with the existing EFL installations so the solutions they offer does not require modification to existing poles and support infrastructure.

# 1.6 Contents of Bidding Documents

The bidder is expected to examine carefully the contents of this Bidding document. Failure to comply with the requirements of bid submission will be at the bidder's own risk. Bids which are not substantially responsive to the requirements of the bidding documents will be rejected.

# 1.7 Clarification of Bidding Documents

A prospective bidder requiring any clarification of the bidding documents may notify EFL in writing by email, addressed to:

Jitendra Reddy Manager Procurement, Inventory & Supply Chain 2 Marlow Street, Suva, Fiji

Phone: +679 331 3333 Ext 2320 or

Mobile: +679 999 2400 Email: <u>JReddy@efl.com.fj</u>

EFL will respond to any request for clarification which it receives earlier than 10 days prior to the deadline for submission of bids.

# 1.8 Amendment of Bidding Document

At any time prior to the deadline for submission of bids, EFL may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by issuing addenda.

# 1.9 Language of Bid

The bid, and all correspondence and documents related to the bid, exchanged between the bidder and the EFL shall be written in the English language.

## 1.10 Bid Prices

Unless specified otherwise, Bidders shall quote for the entire facilities on a "single responsibility" basis such that the total bid price covers all the Supplier's obligations mentioned in or to be reasonably inferred from the bidding documents in respect of the design, manufacture, including procurement and subcontracting (if any), testing and delivery.

Bidders shall give a breakdown of the prices in the manner and detail called for in this bidding document, or any issued addenda.

Bids shall be given on CIF basis. The point of delivery shall be EFL's Navutu Depot in Lautoka. The term CIF shall be governed by the rules prescribed in the current edition of Incoterms, published by the International Chamber of Commerce, Paris.

EFL has a marine insurance cover for items it is required for purchase for its project and operational works. Bidders are required to comment if the marine insurance component is covered in their bids.

## 1.11 Bid Currencies

Prices shall be quoted in a single currency only.

# 1.12 Bid Validity

Bids shall remain valid for a period of **120 days** from the date of Deadline for Submission of Bids specified in Sub-Clause 21.1.

# 1.13 Format and Signing of Bids

The bidder shall provide one electronic copy of the Technical and Financial proposals on EFL's electronic tender hosting website; <a href="https://www.tenderlink.com/efl">https://www.tenderlink.com/efl</a>

The bid shall contain no alterations, omissions or additions, except those to comply with instructions issued by EFL, or as necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person or persons signing the bid.

# 1.14 Sealing and Marking of Bids

Due to the Covid19 restrictions on movements, bidders are encouraged to bid via Tender link Portal.

## 1.15 Deadline for Submission of Bids

Bids must be received by EFL at the address specified above no later than **1600 hours** (Fiji Time) 1<sup>st</sup> May 2024.

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

#### 1.16 Late Bids

Any bid received by EFL after the deadline for submission of bids prescribed above will be rejected.

#### 1.17 Modification and Withdrawal of Bids

The bidder may modify or withdraw its bid after bid submission, provided that written notice of the modification or withdrawal is received by EFL prior to the deadline for submission of bids.

No bid may be modified by the bidder after the deadline for submission of bids.

# 1.18 Rejection of One or All Bids

EFL reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for the rejection.

#### 1.19 Process to be Confidential

- 2.19.1. Information relating to the examination, clarification, evaluation and comparison of bids and recommendations for the award of a contract shall not be disclosed to bidders or any other persons not officially concerned with such process.
- 2.19.2. Any effort by a bidder to influence EFL's processing of bids or award decisions may result in the rejection of the bidder's bid.
- 2.19.3. Lowest bid will not necessarily be accepted as successful bid.

## 1.20 Clarification of Bids

To assist in the examination, evaluation and comparison of bids, EFL may, at its discretion, ask any bidder for clarification of its bid. The request for clarification and the response shall be in writing, but no change in the price or substance of the bid shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by EFL in the evaluation of the bids.

# 1.21 Compliance with Specifications

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 Schedules of the Technical Specification, the tender would be taken as conforming to the Specification in its entirety. The Bidder shall tender for the whole of the Works included in the Specification.

# 2. References

# 2.1. Applicable Standard

The item shall be designed, manufactured and tested in accordance with the latest edition of the Standards specified below and all amendments issued prior to the date of closing of tenders except where varied by this specification.

AS 3947	Low voltage switchgear and control gear
AS 1856	Electroplated coatings- silver
AS 2700	Color standards for general purpose.
AS 4169	Electroplated coatings- tin and tin alloys
IEC 60269-1	Low Voltage Fuses – Part 1: General Requirements
IEC 60269-2	Low-Voltage Fuses - Part 2: Supplementary Requirements for Fuses for
	Use By Authorized Persons (Fuses Mainly for Industrial Application) -
	Examples Of Standardized Systems of Fuses A to K
AS/NZS 60269	Low Voltage Fuses
AS/NZS ISO:9001	Quality Management Systems – model for quality assurance in design,
	development, production, installation and servicing

Should inconsistencies be identified between standards and/or this specification, the tenderer shall immediately refer such inconsistencies to the EFL for resolution.

# 3. Service Conditions

## 3.1. Environmental Conditions

The Fused Isolating Links and Solid Isolating Links shall be for installation outdoors and shall be designed to withstand the following service conditions.

**Description** Conditions

Atmosphere Pollution Level : Saliferous, Corrosive and Dusty

Ambient Temperature : Peak: 40°C

24 Hour Average: 30°C Annual Average: 22°C Minimum: 10°C

Relative Humidity (Average) : 90%

Rainfall : Annual Average: 2663mm

Isokeraunic (Thunder day) 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. 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. System Conditions

Nominal Voltage 240V/ 415V

System Highest Voltage 660V
System Frequency 50Hz
Number of Phases 1 or 3

System Earthing Effectively Earthed

Impulse Withstand Voltage (peak) -

Power Frequency Withstand Voltage 15kV

# 4. Design and Construction

Equipment offered by the bidders will need to conform to this Specification.

## 4.1. Ratings

The Fused Isolating Links and Solid Isolating Links shall have the following ratings:

Rated Operational Voltage	660 volts		
Rated Frequency	50 Hz		
Rated Operational Current	400 Amps		
Duty	Uninterrupted		
Utilization Category	In accordance with AC 21A (refer Table 2 of AS 3947.3)		
Making & Breaking Capacity	1.5 times rated operational current		
Rated Short-time Withstand Current	Withstand Current 20 times rated operational current for one second without		
	damage		

# 4.2. Operation

## 4.2.1 Solid Isolating Links

The blade of the Solid Isolating Link shall be made of high conductivity material with a nominal 20mm diameter pulling eye located at the jaw end to allow for operation with a hook stick (link stick). The hinge end of the blade shall incorporate believille washers to maintain constant contact pressure between the blade and the hinge contact. A stop pin shall be provided to restrict the opening of the blade to 90°.

## 4.2.2 Fused Isolating Links

The removable fuse-carrier of the Fused Isolating Link shall be provided with a nominal 20mm diameter eye at each end to allow easy operation with a hook stick (link stick) and to facilitate its removal for replacement of the fuse-link.

## 4.3. Mounting

A 21mm x 30mm slot shall be provided in the mounting bracket to allow the isolating links to be fixed to a timber cross-arm in the vertical or horizontal position by means of an M16 bolt.

A suitable locking arrangement shall be provided to prevent rotation of the isolating links about the mounting bolt when in service.

# 4.4. Fixing of Fuse Links

The Fused Isolating Links shall be suitable for use with fuse-links having bolted connections with fixing centers of both *111mm* for 2 hole type fuses.

#### 4.5. Contacts

All electrical contact surfaces are to be silver plated in accordance with AS 1856. The manufacturer must ensure that the thickness of plating provides durability of the contact surfaces over a service life of 35 years.

All contacts shall be self-aligning and shall have a wiping action to remove oxide or other contamination on the contact surfaces and constructed to eliminate arcing to the main contacts.

#### 4.6. Insulators

Insulators shall be single piece, fully vitrified, non-puncturable porcelain in accordance with AS 3608. The preferred colour is munsell grey.

The fuse-link mounting bridge on the Fused Isolating Links shall be of material suitable for the mounting and insulating of live parts in accordance with the IEC publication 893 and it shall be free of any asbestos reinforcement. The moving contact assembly shall be attached to the mounting bridge without over stressing the bridge material.

#### 4.7. Terminal Connectors

A terminal palm of 3mm minimum thickness shall be provide for the connection of up to two cables on both the supply and load sides of the unit and shall satisfy the temperature rise limits in accordance with Clause 7.2.2 of AS 3947.3 and the following table.

Connection	Current Rating	
Туре	400 Amps	
Lug	M12	
Clamp	2 Clamps each	
-	2 x M10 @ 30mm centers	

The connections shall be designed for use with Aluminium or Copper conductors and to minimize the effects of electrolytic corrosion of dissimilar metals.

The stainless steel bolts and nuts securing the terminal palm and clamp or lug shall have a minimum reusable torque strength of **30 Nm** and shall be fitted with stainless steel or phosphor bronze believille or spring washers so as to provide a positive locking pressure at all times when tightened.

Where a clamp using two M10 bolts is specified the clamp shall:

- a. Consist of material suitable for Copper to Aluminium connections.
- b. Be capable of accommodating a conductor range from **5.0mm to 22mm** in diameter by means of a grooved section above and below the conductor.
- c. Have a minimum contact length of 25mm.
- d. Meet the performance requirements of Section 5 of AS 1154 Part 1.

If the bidder has proposed to supply Tunnel and U-bolt type clamps, full dimensional drawing and complete details of material used shall be provided with the offer.

Where a lug connection is specified, a fully threaded bolt having the diameter stated in the table above and a length of 60mm shall be provided.

#### 4.8. Corrosion Protection

The latch mechanisms of the unit shall be constructed of corrosion resistant metals and shall include no ferrous parts other than stainless steel.

All current carrying parts shall be of a high electrical conductivity, corrosion resistant metal. All copper and associated alloys shall be electrolytically bright tin plated (or silver plated) to ensure that the thickness of plating provides durability of the contact surfaces for a service life of 35 years.

All nuts, bolts and washers other than those associated with the mounting bracket shall be stainless steel in accordance with AS 2837. The bolts and washers shall be grade 316 and to avoid binding the nuts shall be grade 304 and a suitable lubricant shall be applied to the threads of all stainless steel bolts before tightening. The lubricant shall not contain graphite.

All support brackets and other ferrous parts of the units other than stainless steel shall be galvanized in accordance with AS 4680.

All weather exposed metallic parts shall be non-corrosive.

#### 4.9. Vibration

When the fuse link or switch blade is intact and correctly inserted the carrier shall latch securely when closed and shall not be dislodged from the fuse contacts by severe vibration or wind pressure.

## 4.10. Marking

Switches shall be clearly and durably marked with the year of manufacture and in accordance with Section 5.2 of AS 3947.3.

# 5. Performance and Testing

# 5.1. Testing

Testing of the Fused Isolating Link and Solid Isolating Link units is required (refer AS 3947.3 Section 8). Testing of insulators is also required.

# 5.2. Type Testing (refer to Section 8.3 of AS 3947.3)

Test reports on the following type tests shall be provided.

a. Type Tests in accordance with Clause 8.3 of AS3947.3 shall be carried out in accordance with the sequence of test listed in the following table. The required type tests for each sequence are indicated in column 2 of Table 10 of AS 3947.3.

Item	Solid Isolating Links	Fused Isolating Links	
Test Sequences   General Performance Characteristics		General Performance Characteristics (Sub-	
(Sub-Clause 8.3.3 and Table 11)		Clause 8.3.3 and Table 11)	
	Operational Performance Capability	Operational Performance Capability (Sub-	
	(Sub-Clause 8.3.4 and Table 13)	Clause 8.3.4 and Table 13)	
	Short Circuit Performance Capability	Conditional Short Circuit Current (Sub-	
	(Sub-Clause 8.3.5 and Table 14)	Clause 8.3.6 and Table 15)	

Insulator type test required:
 Porosity test (in accordance with Clause 2.4 of AS 3608)

## 5.3. Routine Tests (refer Section 8.1.3 of AS 3947.3)

Routine Tests comprise:

- a. Mechanical operation tests (refer Clause 8.1.3.2 of AS 3947.3)
- b. Dielectric tests (refer Clause 8.1.3.3 of AS 3947.3).

Test certificates shall be supplied to EFL with the bidding document.

# 5.4. Batch Tests on Insulators (refer AS 3608)

Batch Test Certificates for the insulators shall be supplied with each batch delivery.

## **Acceptance Tests**

The EFL may carry out acceptance test on equipment to prove it conforms to the requirements of this Specification. Any equipment showing evidence of failure to comply with the requirements of this specification will be liable to rejection.

## 5.5. Witnessing of Tests

The EFL reserves the right to witness all testing. The Supplier shall give EFL reasonable notice of when testing will be carried out and two (2) EFL engineers to be invited to witness the testing. The return-air travel, accommodation, meals and other expense related to test witnessing shall be borne by the Bidder as a value adding service.

# 5.6. Compliance

The Supplier shall state in writing that their offer complies with the relevant Standards and this specification. If the Supplier is offering equipment manufactured to an equivalent standard, full details of that standard must be given including a copy written in English.

# 6. Reliability

#### 6.1. Service Life

Bidders are required to comment on the reliability of the equipment and the performance of the materials offered for a service life of 35 years under the specified system and environmental conditions in clause 3.

# 6.2. Evidence in Support of Reliability

Where the specified guaranteed service life is less than 35 years Suppliers are required to provide comment and submit evidence in support of the reliability and performance claimed including detailed information on Failure Mode and Effect Analysis.

#### 7. Environmental Considerations

Suppliers are required to comment on the environmental soundness of the design and the materials used in the manufacture of the items offered. In particular, comments should address such issues as recyclability and disposal at end of service life and also disposal of packaging material.

# 8. Packaging and Marking

The packaging of items by the bidder must ensure that they are capable of being delivered undamaged giving due consideration to the quantity, distance of transportation and the preferred method of handling at each location.

Each packaged lot shall be marked with the following information:

- Manufactures Name
- Purchase Order Number
- Contact No.

- EFL Stock Code
- Item Description
- Applicable standards
- Pack Size
- Pack Weight

## 9. QUALITY REQUIREMENTS

Tenderers are required to submit evidence that the design and manufacture of Fused Isolating Links and Solid Isolating Links are in accordance with AS/NZS ISO 9001 and shall include the Capability Statement associated with the Quality System Certification.

If the Tenderer is a non-manufacturing supplier, the documentary evidence shall include the quality system certifications of both the supplier and the manufacturer.

# 10. STOCK AVAILABILITY

The bidder is required to indicate the size of consignment stock it will hold and the ability to meet the required demand of the estimated quantity at any given time during the contract period. The movement of Fused Isolating Links and Solid Isolating Links will depend on the EFL's project works and for operation and maintenance purposes. An estimate movement of the items are outlined in the table below but the items will not be purchased as a lump sum quantity at once. Hence, the successful bidder will be required to carry a consignment / safety stock at times to meet EFL's demand within the three year contract period.

No.	Stock Code	Item Description	Rating	Approximate 3 Year Stock Movement
1	105058	LV Fuse Isolating Link	660 Volts – 400 Amps	2242
2	105066	LV Solid Isolating Link	660 Volts – 400 Amps	759

## 11. PRODUCT WARRANTY PERIOD

The bidders are required to provide the warranty period as part of the proposal. A minimum warranty period of twenty-four (24) months from time of dispatch from factory shall be provided.

#### 12. INFORMATION TO BE SUPPLIED BY THE BIDDER

#### 12.1. Documentation to be supplied with the tender

To enable EFL to fully evaluate the Fused Isolating Links and Solid Isolating Links offered, (in addition to the completed Specification Requirement and Guaranteed Performance schedule) the bidder shall submit the following information with their tender:

- List showing similar equipment supplied to or on order for other utilities in Australia or New Zealand or the Oceania region for the past 5 years
- Typical arrangement drawings and full details of the dimensions including drawings for the accessories offered
- Type test certificates as per Clause 5
- End of service life disposal methods
- Evidence of Quality Management Systems
- Evidence of Health, Safety and Environmental plans
- Evidence of financial ability to provide the level of service and support
- Origin of materials used in manufacture of the isolating links

 Names and resumes of key team members who will be assigned to work with EFL upon successful award of the three-year supply contract (if bidder is successful)

Bidders may be asked to provide additional information during tender assessment period or following award of contract.

# 12.2. Samples

When requested, production samples of each item shall be submitted with the offer.

Each sample shall be delivered freight free (Delivery Duty Paid (DDP)), suitably packaged and labelled with the following information:

- Name of supplier and the contact number
- Tender number
- Any supporting data on features or characteristics

# 12.3. Training

Training materials in the form of drawings, instructions and/or audio visuals (in CD format) are required to be provided for the items accepted under the tender. The Tenderers shall allow the cost of production and delivery of training materials in the tendered prices.

The training materials should include but not be limited to the following topics:

- Handling
- Storage
- Application
- Installation
- Maintenance
- Environmental performance
- Electrical performance
- Mechanical performance
- Disposal

Offers of vendors who fail to furnish above particulars shall be rejected.

# 13. APPENDIX

# 13.1. Price Schedule

Bidders are required to complete the following price schedule and submit with the offer. EFL requires the biding prices to be in CIF incoterms.

No.	Stock	Item Description	Unit Price (CIF)	Currency of bid
	Code			
1	105058	LV Fuse Isolating Link		
2	105066	LV Solid Isolating Link		

Bidders are to clearly indicate the currency of bid.

# 13.2. Technical Details - Fused Isolating Links and Solid Isolating Links

This schedule shall be completed and submitted with the offer. A separate schedule shall be provided for each item offered:

Particulars		Dominomento	Tenderers
Particulars	Units	Requirements	Response
Manufactures Name			
Origin of materials used for manufacturing of			
isolating links			
Country of manufacture			
Manufactures type test certificate number			
Name of testing authority			
Applicable Standards		AS 3947	
Rated operational voltage	V	660	
Rated frequency	Hz	50	
Rated operational current	Α	400	
Duty		Uninterrupted	
Utilization category		In accordance with AC	
		21A (refer Table 2 of AS	
		3947.3)	
Making & breaking capacity		1.5 times rated operational	
		current	
Rated short-time withstand current		20 times rated operational	
		current for one second	
		without damage	
Pulling eye diameter	mm	20	

Switch operation using hook (link) stick		Required	
Mounting accessories provided as per clause		Required	
4.3			
Complete details of mounting accessories		Required	
provided including dimensional drawings			
Fuse links fixing centers	mm	111mm center to center	
Electrical contact surfaces to be silver plated		As per AS 1856	
Insulator type		Porcelain	
Insulator manufacturing standard		AS 3608	
Color of insulator		Munsell Grey	
Fuse-link mounting bridge		As per IEC 60893	
Terminal connectors type offered			
Terminal connection dimensional drawing			
provided			
Latch mechanism material		Corrosion resistant metal,	
		bidder to provide details	
All nuts and bolts to be stainless steel		As per AS 2837	
Nut and bolt grade		316	
Bracket and ferrous parts to be galvanized		As per AS 4680	
Labelling on switches		As per section 5.2 of AS	
		3947.3	
Type test reports as per clause 5.2 provided		As per section 8.3 of AS	
		3947.3	
Routine test reports as per clause 5.3 provided		As per section 8.1.3 of AS	
		3947.3	
Batch test reports of insulators to be provided		As per AS 3608	
with each delivery batch			
Total weight of unit	Kg		
Packaging details		3 units per box	

Name of Tenderer:	
Signature of Tenderer:	
Oate:	
Email:	

# 13.3. Submission Requirements

All tenderers are required to complete and submit a copy of the submission requirements with their bid submissions. *Note that details below are mandatory requirements.* 

Requirements	Response from Bidders
Validity of bid (120 days required) (Yes/No)	
Detailed reference list of customers already using equipment offered	
during the last 5 years with particular emphasis on units of similar design	
and rating.	
List of test reports/certificates provided. (As per Clause 5)	
Minimum warranty period from time of acceptance of item required is 24	
months.	
Completed price and technical schedules (Clause 13.1 and 13.2)	
(Yes/No)	
Complete dimensional drawing provided.	
The biding pricing to be in CIF incoterm.	
Currency of bid.	
Lead time of delivery after tender award.	
Price review period after award of tender. (months)	
Bidders company profile outlining financial, technical and production	
capabilities.	
Disposal method after service life.	
Witnessing included as part of bid (Clause 5). (Yes/No)	
Quality management system used in the production of Fused Isolating	
Links and Solid Isolating Links, attached certificate.	

Name of Tenderer:	<del></del>
Signature of Tenderer: _	
Date:	

# Complete the following schedule as part of the bid:

Stock Codes	Items	Country of Manufacture	Manufacturer of product	Brand Offered	Manufactured to standards	ISO Certification of Manufacturer
	LV Fuse Isolating					
105058	Link					
	LV Solid Isolating					
105066	Link					

Name of Tenderer:	
Signature of Tenderer: _	
Date:	

# **TENDER CHECKLIST**

The Bidders must ensure that the details and documentation mention below must be submitted as part of their tender Bid

ıer	nder Number	
Ter	nder 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	s Only (Mandatory)
9.	FNPF Employer Registration Number: (For Local Bidders only)	(Mandatory)
10.	Provide a copy of Valid FNPF Compliance Certificate (Mandatory- Local E	Bidders only)
11.	Provide a copy of Valid FRCS (Tax) Compliance Certificate (Mandatory Lo	cal Bidders only)
12.	Provide a copy of Valid FNU Compliance Certificate (Mandatory Local Bio	dders 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 1st May, 2024.

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.