



**TECHNICAL SPECIFICATION FOR  
PREFERRED SUPPLIER FOR SUPPLY OF  
EARTH RODS, SPLIT BOLT CONNECTORS  
AND GROUND ENHANCING MATERIAL**

**MR 166/2024**

# Revision History & Document Control

Rev No.	Notes	Prepared By	Reviewed & Approved By	Date of Issue
1	Draft – Issued for Review	Rajiv Singh		18/07/18
2	Reviewed and submitted for tender		Rajiv Singh	15/08/18
3	Reviewed by		Mohammed Zainal Alim	16/04/24

# 1.0 INTRODUCTION

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.

The Energy Fiji Limited (EFL) is requesting proposal for the Preferred Supplier for supply of items listed below for EFL's consumption to carryout repair, maintenance and Construction 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. Therefore pricing of each item must not be dependent on or subject to bidder being awarded tender for supply of all items listed below.

This document outlines the technical requirements for Earth Rods, Split Bolt Connectors and Ground Enhancing Material for use in EFL's distribution and sub-transmission networks.

The items covered by this specification are listed below:

No.	Stock No.	Item Description	Dimensions
1	I05386	Earth Rods	1500mm x 16mm (Length x Diameter)
2	I02556	Split Bolt Connectors	16mm <sup>2</sup>
3	I02557	Split Bolt Connectors	35mm <sup>2</sup>
4	I02558	Split Bolt Connectors	70mm <sup>2</sup>
5	I02559A	Split Bolt Connectors	95mm <sup>2</sup>
6	I02559	Split Bolt Connectors	185mm <sup>2</sup>
7	I04334	Ground Enhancing Material	-

**Table 1.1: Items Covered Under this Specification**

This Specification covers the general requirements of design, manufacture, testing, supply and delivery of Earth Rods, Split Bolt Connectors and Ground Enhancing Material to be used in EFLs network for earthing works.

# **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: [JReddy@efl.com.fj](mailto:JReddy@efl.com.fj)

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; <https://www.tenderlink.com/efl>

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) 5<sup>th</sup> June 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.

## 2.0 REFERENCES

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 1112.1	ISO metric hexagon nuts
AS 1275	Metric screw threads for fasteners
AS/NZS 1442	Carbon steels and carbon-manganese steels – Hot-rolled bars and semifinished products
AS 1567	Copper and copper alloys – Wrought rods, bars and sections
AS 1572	Copper and copper alloys – Seamless tubes for engineering purpose
AS 1931	High-voltage test techniques
AS 2239	Galvanized (sacrificial) anodes for cathodic protection
AS 2837	Wrought alloy steels – stainless steel bars and semi-finished products
IEC 62561-2	Lightning Protection System Components (Ipsc) Part 2: Requirements for Conductors and Earth Electrodes
IEC 62561-7	Lightning Protection System Components (Ipsc) Part 7: Requirements for Earthing Enhancing Compounds
AS/NZS 3679.1	Structural steel hot-rolled bars and sections
AS 4068	Flat pallets for material handling
AS/NZS ISO 9001	Quality management systems -Requirements

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

### 3.0 SERVICE CONDITIONS

#### 3.1 Environmental Conditions

The Earth Rods, Split Bolt Connectors and Ground Enhancing Material shall be suitable for installation underground and shall be designed to withstand the following service conditions.

##### 3.1.1 Underground

Description	Conditions
Soil	: Variable soil conditions ranging from high resistivity rock to normal clays to areas of acidic soil (ph 4 or less) with resistivities less than 20Ωm
Temperature	: 25°C Maximum 8°C Minimum

##### 3.1.2 Above Ground

Description	Conditions
Atmosphere Pollution Level	: Sulfurous, 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.

#### 3.2 System Conditions

Nominal Voltage	240V/ 415V	11kV	33kV
System Highest Voltage	660V	12kV	36kV
System Frequency	50Hz	50Hz	50Hz
Number of Phases	1 or 3	3	3
System Earthing	Effectively Earthed	Effectively Earthed	Effectively Earthed
Impulse Withstand Voltage (peak)	-	95kV	200kV
Power Frequency Withstand Voltage (rms)	15kV	28kV	70kV

## 4.0 DESIGN AND CONSTRUCTION

### 4.1 General

The design of the earth rods shall be of such mechanical strength that they shall withstand the stresses and abrasions present during installation with an electric/pneumatic hammer.

The bidders shall state the design features of the earth rod which verify the following features:

- Improved electrical connection; and
- No damage to the copper sheath on installation.

All items offered shall be clean, free of burrs, cracks and sharp edges. The ends of the rods shall be chamfered. Tenderers shall provide the recommended procedure for the correct assembly of the various components of the earthing system.

#### Note to Bidders:

**Bidders are encouraged to provide alternative solutions with necessary technical specifications for connecting the copper earth rods to the bare copper wire. Currently the EFL users split bolt connectors for such connections.**

### 4.2 Earth Rods

The earth rods shall comply with IEC 62561-2 standard and have a nominal outside diameter of 14-15 mm and a nominal length of 1500 mm. The rod shall consist of a steel core of minimum grade as per AS 3679.1-250.

The copper sheath shall be either molecularly bonded or extruded so as to maintain intimate contact with the steel core of the earth rod. The application of the copper sheath shall prevent any electrolytic action to be initiated by moisture ingress between the copper and the steel.

Tenderers shall state the method used to apply the copper sheath to the rod together with the design features to verify the prevention of moisture ingress.

Earth rods shall have a final minimum plating thickness of copper of 254 µm.

### 4.3 Driving Point

The driving points shall be designed to reduce the driving effort on the earth rod. The driving point shall be designed to prevent damage to the copper sheath during the installation process.

### 4.4 Split Bolt Connectors

The split bolt connectors shall satisfy the following requirements:

- a) Be suitable for underground applications and shall have corrosion resistant properties
- b) Be suitable for connecting a 14-15 mm diameter earth rod with one or two stranded copper conductors of the following sizes:
  - Minimum conductor size: 35 mm<sup>2</sup> (19/1.53)
  - Maximum conductor size: 70 mm<sup>2</sup> (19/2.14)
- c) The Connectors shall be suitable for joining the following types of stranded copper conductor:
  - 35 mm<sup>2</sup> to 35 mm<sup>2</sup>
  - 35 mm<sup>2</sup> to 70 mm<sup>2</sup>
  - 70 mm<sup>2</sup> to 70 mm<sup>2</sup>

The connectors shall be supplied with stainless steel M10 nuts with head dimensions in accordance with AS 1112. All bolts and washers shall be grade 316 stainless steel in accordance with AS 2837. All nuts shall be grade 304 stainless steel in accordance with AS 2837.

Stainless steel bolts and nuts shall be suitably greased to prevent binding.

The tenderer shall advise the minimum and maximum recommended tightening torques as well as the specified tightening technique/procedure.

#### **4.5 Ground Enhancing Material**

The ground enhancing material offered shall comply with IEC 62561-7 standard.

The preferred compound is a granular mixture of Calcium Bentonite & Gypsum WITHOUT additional conductivity enhancing compounds.

**NOTE: Sodium Bentonite is NOT acceptable.**

A mixture of ingredients which complies with Clause 4.2(a) of AS 2239 shall be used to improve soil conductivity where rods are installed in drilled holes.

Tenderers shall state the components of the mixture as well as provide evidence that supports the noncorrosive properties of the mixture tendered, both in the short-term as well as the long-term.

Packaged weight of the mixture shall not exceed 25 kg and the contents shall be adequately contained within the package. The packaging material must be able to withstand up to 24 hours exposure in an outdoor environment without affecting the contents of the package. The packaging material shall display the correct handling procedures including recommended clothing and safety equipment requirements.

Tenderers shall provide full details of the packaging materials in relation to these requirements.

Tenderers are required to provide details concerning the safety aspects associated with handling of the compound. **Material safety datasheets shall be submitted with the offer.**

#### **4.6 Technical Characteristics**

Bidders shall provide detailed dimensional drawings for all items tendered.

### **5.0 PERFORMANCE AND TESTING**

#### **5.1 Earth Rods**

The earth rods shall be tested in accordance with IEC 62561-2 and for the following properties:

- a) Tensile strength
- b) Dimensional test
- b) Plating thickness for copper

Submission of Test Certificates is mandatory and shall be submitted with the offer.

#### **5.2 Connectors**

Connectors shall be installed in accordance with the manufacturer's instructions. The complete test procedure is given below:

- a) The earth rod/connector/conductor combination shall be tested in still air. The locations of the connections for injecting the test current shall be positioned not less than twenty (20) times the diameter of the earth rod from the center of the connector for all tests.

- b) Tests shall be carried out on the following connection combinations for split bolted type connectors as detailed below:
- 35 mm<sup>2</sup> conductor to earth rod
  - 35 mm<sup>2</sup> conductor to 35 mm<sup>2</sup> conductor
- c) A minimum average test current of 5 kA, 50 Hz for 1 second ( $I^2t$  of 25 MA<sup>2</sup>/second) shall be used for each test.
- d) Visual inspection after the test shall ensure that there is no damage to the connector and there is no severe discoloration to the connector and surrounding areas. There should be no loosening of the connection between the cable and the rod or between the cable and the cable.

The successful tenderer shall provide valid test reports that verify the requirements detailed above before the first deliveries are accepted under the contract.

### **5.3 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.

### **5.4 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.

### **5.5 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.

## **6.0 RELIABILITY**

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.

## **7.0 ENVIRONMENTAL CONSIDERATIONS**

Bidders 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.

## **8.0 PACKAGING AND MARKING**

The earth rods shall be supplied rapped in packs of 5. The rapped packs of 5 shall be packed in 100s and supplied on pallets.

Packaging should comply with AS 4068 where pallets are used. Double palleting shall not be used by the supplier.

The split bolt connectors shall be supplied packed in boxes with appropriate quantity considering the split bolt sizes.

The ground enhancing materials shall be supplied packed in 25kg bags or buckets.

Each packaged lot shall be marked with the following information:

- Manufactures Name
- Purchase Order Number
- EFL Stock Code
- Item Description and compliance standards
- Pack Size
- Pack Weight

## 9.0 QUALITY REQUIREMENTS

Tenderers are required to submit evidence that the design and manufacture of Earth Rods, Split Bolt Connectors and Ground Enhancing Material 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.

## 10.0 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 Earth Rods, Split Bolt Connectors and Ground Enhancing Material 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 it will not be purchase 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 No.	Item Description	Dimensions	Approximate 3 Year Stock Movement
1	I05386	Earth Rods	1500mm x 16mm (Length x Diameter)	5780
2	I02556	Split Bolt Connectors	16mm <sup>2</sup>	15733
3	I02557	Split Bolt Connectors	35mm <sup>2</sup>	8696
4	I02558	Split Bolt Connectors	70mm <sup>2</sup>	1402
5	I02559A	Split Bolt Connectors	95mm <sup>2</sup>	741
6	I02559	Split Bolt Connectors	185mm <sup>2</sup>	5651
7	I04334	Ground Enhancing Material	-	396

## 11.0 PRODUCT WARRANTY PERIOD

The bidder is 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.

## **12.0 INFORMATION TO BE SUPPLIED BY THE BIDDER**

### **12.1 Documentation to be supplied with the Tender**

To enable the EFL to fully evaluate the Earth Rods, Split Bolt Connectors and Ground Enhancing Material 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
- Type test certificates as per Clauses 5
- End of service life disposal methods
- Evidence of Quality Management Systems as per Clause 9.0
- Evidence of financial ability to provide the level of service and support
- Origin of materials used for manufacturing of items offered
- 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 sample of the items shall be submitted with the offer. Sample shall be delivered freight free, suitably crated and packaged and labelled with the following information:

- Name of supplier and this contact number
- Contract item numbers and tender number
- Any supporting data on features or characteristics

### **12.3 Training**

Training material 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 material 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

## 13.0 APPENDIX

### 13.1 Price Schedule

No.	Stock No.	Item Description	Dimensions	Unit Price
1	I05386	Earth Rods	1500mm x 16mm (Length x Diameter)	
2	I02556	Split Bolt Connectors	16mm <sup>2</sup>	
3	I02557	Split Bolt Connectors	35mm <sup>2</sup>	
4	I02558	Split Bolt Connectors	70mm <sup>2</sup>	
5	I02559A	Split Bolt Connectors	95mm <sup>2</sup>	
6	I02559	Split Bolt Connectors	185mm <sup>2</sup>	
7	I04334	Ground Enhancing Material	Bag	
			Bucket	

Bidders are to provide details of the required option in Clause 4.1 under Note to Bidders.

### 13.2 Technical Details – Earth Rods

This schedule shall be completed and submitted with the offer.

Particulars	Units	Requirements	Bidders Response
Manufacturer's Name and Address			
Country of Manufacture			
Origin of materials used for manufacturing			
Manufacturer's Drawing No.			
Type Test Certificate No.			
Overall length	mm	1500	
Outside diameter	mm	14-15	
Plating thickness of copper	µm	254	
Material Specification (Standard and Grade)		AS per IEC 62561-2 and AS/NZS 3679.1	
Tensile strength	MPa	552	
Weight of each earth rod	kg	1.90-2.0	
Pack Size			
Pack Weight	kg		

Name of Tenderer: \_\_\_\_\_

Signature of Tenderer: \_\_\_\_\_

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

### 13.3 Technical Details – Split Bolt Connectors

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

Particulars	Units	Requirements	Bidders Response
Manufacturer's Name and Address			
Country of Manufacture			
Origin of materials used for manufacturing			
Type Test Certificate No.			
Type of connector			
Overall length	mm	Bidders to state as per appropriate sizes listed in table 1.1	
Outside width of body	mm		
Material Specification (Standard and Grade)			
a) Bolt:     Size	mm		
Material grade			
Width across flats	mm		
b) Nut:     Size	mm		
Material grade			
Width across flats	mm		
Recommended lighting torque:			
a) Minimum			
b) Maximum			
Pack Size			
Pack Weight	kg		

Name of Tenderer: \_\_\_\_\_

Signature of Tenderer: \_\_\_\_\_

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

### 13.4 Technical Details – Ground Enhancing Material

Particulars	Units	Bidders Response
Manufacturer's Name and Address		
Country of Manufacture		
Origin of materials used for manufacturing		
Type Test Certificate No.		
List of ingredients and approximate mixture by mass		
Material Safety Data Sheet Provided	Yes/No	
Materials used in packaging		
Pack Size		
Pack Weight	kg	

Name of Tenderer: \_\_\_\_\_

Signature of Tenderer: \_\_\_\_\_

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

### 13.5 Submission Requirements

All tenderers are required to complete and submit a copy of the submission requirements with their bid submissions.

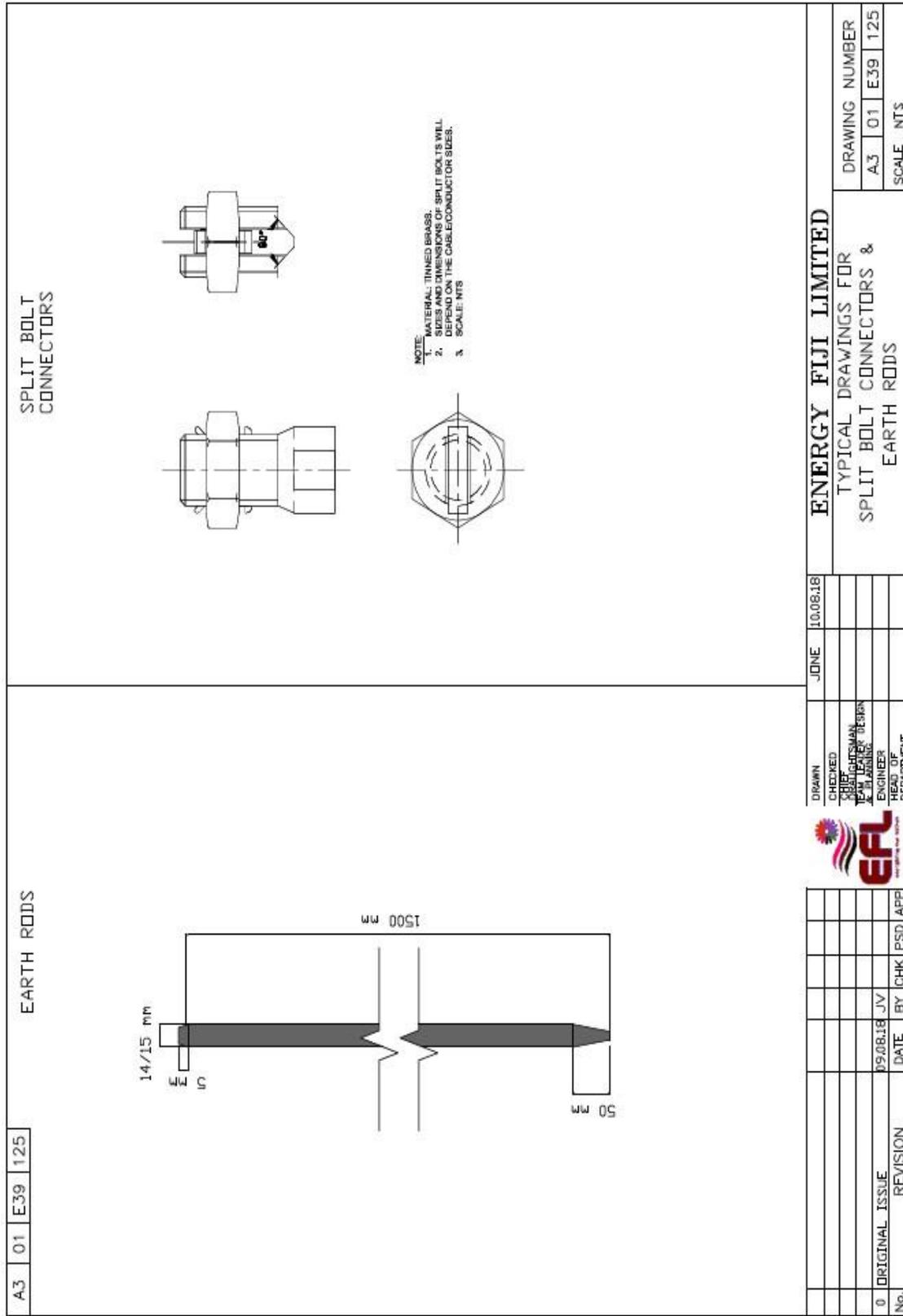
Requirements	Response from Bidders
Completed technical details (Clause 13.1 to 13.3) (Yes/No)	
Validity of bid (120 days required) (Yes/No)	
Training included as part of Bid. (Yes/No)	
Witnessing included as part of bid. (Yes/No)	
Payment conditions.	
Delivery Term. (CIF preferred)	
Price review period after award of tender. (months)	
Bidders company profile outlining financial, technical and production capabilities.	
Detailed reference list of customers already using equipment offered during the last 5 years with particular emphasis on units of similar design and rating.	
Quality management system used in the production of Earth Rods, Split Bolt Connectors and Ground Enhancing Material, attached certificate.	
Minimum warranty period from time of acceptance of Earth Rods, Split Bolt Connectors and Ground Enhancing Material.	
Typical installation manual for Earth Rods, Split Bolt Connectors and Ground Enhancing Material.	
Disposal method after service life.	
Complete dimensional drawing for all products offered.	
List of Type test certificates provided. (As per Clauses 5.1 and 5.2)	
Sample routine test certificates.	

Name of Tenderer: \_\_\_\_\_

Signature of Tenderer: \_\_\_\_\_

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

### 13.6 Typical Drawing – Earth Rod and Split Bolt Connectors



## 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: \_\_\_\_\_

## **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 5<sup>th</sup> June, 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](mailto: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.**