

## TENDER DOCUMENT AND SPECIFICATION

### MR 335/2017

### Preferred Supplier for Tower Boots

The Fiji Electricity Authority (FEA) invites bids from reputable contractors for being the Preferred Supplier of Heavy duty Tower Boots. These Tower Boot will be worn by the relevant personnel when required to climb the 132kV Transmission Line Towers and carrying out maintenance works.

#### 1. Scope

This Specification covers the general requirements to manufacture, test, and supply 30 pairs of High Quality Lace up, Side Zipped Steel Toe Safety Boots with features conforming to the relevant Australia/ New Zealand standards.

#### 2. Specifications

The Safety boots offered shall comply with most if not all of the specifications listed below:

1. **Steel Toe Caps** – Safety footwear should have a protective toe cap to provide adequate protection against injury. Steel provides maximum protection against impact and penetration as per AS/NZS 2210.3 and ISO 20345 and provides extra cushion. This should be broad fitting 200 Joule impact resistant Type 1 steel.
2. **Electrical Shock Hazard Resistance** – Safety footwear to have electrical hazard and properly insulated properties to provide greatest protection against electrical shock. It shall be tested according to AS/NZS 2210.2 and EN 50321.
3. **Non-Metallic Penetration Resistant** – Safety footwear to have composite textile insoles capable of resisting perforation by nails and other objects. Footwear to be made with a PS4 insole and to have a level of penetration exceeding 1200N (approx... 120kg) conforming to AS/NZS 2210.2 and must provide greater flexibility and comfort due to its non-metallic features.
4. **Slip Resistance** – sole of the safety footwear has to be tested and deemed compliant to the relevant standard regarding the Slip resistance for each soil type and on tower members under the AS/NZS 2210.3. Heavy duty, self-cleaning tread designed to enhance stability and slip resistance underfoot in muddy and rugged conditions.
5. **Water Resistant Leather** – Premium leather treated to provide extra water resistance. It should be suitable for wet and moist conditions due to mainly tower works.
6. **Sole Resistance** – to most chemicals found underfoot (Oil, Acids/Alkalis). All terrain dual density soling technology.
7. **Heat Resistance** – Sole is heat resistance to temperatures up to at least 140/300 degrees Celsius with heavy stitching across all critical seams for increased strength.
8. **Cool Max Lining** – To absorb moisture and odour for optimum freshness and hygiene.
9. **Cushion Core/Comfort Cushion** – To absorb energy at the heels and disperses it provides rebound at the front of your foot.
10. **Tough Outsole/ Cushioning midsole** – Tough outsole with deep self-cleaning tread patterns and providing traction and stability when required. Cushioning mid sole with lightweight absorbing

Polyurethane (PU) and providing additional comfort and shock absorption such as Comfoflex gel system.

11. **Heavy duty Lace/rivets** - for locking and securing of footwear properly due to be used at extensive heights.
12. **Anti-Static, superior cut, split and crack resistant sole** – for safety reasons and durability due to the ruggedness nature of work carried out by relevant personnel
13. **Padded comfort collar, ankle and tongue fully lined** – for comfort, easy fit and ability to wear long hours of work at height
14. **Heavy duty YKK Side Zip feature and Velcro tab closure** – For comfort and securing or zip and zip cover tab to prevent the zip’s steel exposure
15. **Extended TPU toe cover** – this includes a hard cap above the leather on top of the tower boot for safety reasons conforming to AS2210.3 standards
16. **Kick off and Ladder lugs** – For comfort during climbing towers and long hours of stepping on bolt/truss members while working.

This specification table is to be submitted along with the bid and the bidder to fill in the table according to the specification of the supplied product.

|    | Specification Required                                    | Inclusive in supplied product [Y/N] (if yes please state the technology used in each) |
|----|---|---|
| 1  | Steel Toe Cap   |   |
| 2  | Electrical Shock Hazard Resistance                        |   |
| 3  | Non-metallic penetration Resistance                       |   |
| 4  | Slip Resistance   |   |
| 5  | Water Resistant Leather                                   |   |
| 6  | Sole Resistance   |   |
| 7  | Heat Resistance   |   |
| 8  | Cool Max Lining   |   |
| 9  | Cushion Core/ Comfort Cushion                             |   |
| 10 | Tough Outsole/ Cushioning Midsole                         |   |
| 11 | Heavy Duty Lace/Rivets                                    |   |
| 12 | Anti-Static, Superior cut, split and crack resistant sole |   |
| 13 | Padded comfort collar, ankle and tongue fully lined       |   |
| 14 | Heavy Duty Side Zip feature and tab closure               |   |
| 15 | Extended TPU toe cover                                    |   |
| 16 | Kick off and ladder lugs                                  |   |
| 17 | Boot height   |   |
| 18 | Conforming to AS/NZS 2210 standards                       |   |

### 3. Standards applicable for this Tender

|                    |  |   |
|--------------------|--|---|
| <b>ISO 9001</b>    | Quality Management System  |   |
| <b>ISO 17429</b>   | Safety footwear with resistance to cutting                             |   |
| <b>EN 50321</b>    | Electrically insulating footwear for working on voltage installations. |   |
| <b>AS/NZS 2210</b> | Occupational protective footwear                                       |   |
|                    | <b>AS/NZS 2210.2</b>   | <i>Test methods (ISO 20344:2004)</i>                            |
|                    | <b>AS/NZS 2210.3</b>   | <i>Specification for safety footwear (ISO 20345:2004)</i>       |
|                    | <b>AS/NZS 2210.4</b>   | <i>Specification for protective footwear (ISO 20346:2004)</i>   |
|                    | <b>AS/NZS 2210.5</b>   | <i>Specification for occupational footwear (ISO 20347:2004)</i> |

**Note: Bidders shall demonstrate/submit proof of ownership and possession of aforementioned standards. Bidders shall also demonstrate the product’s compliance with the standards stipulated above.**

### 4. Manufacturer’s Qualification

Manufacturer shall have sufficient designing, supplying and manufacturing experience of the Tower Boots for at least three (3) years. As proof, the manufacturer shall submit a supply-list indicating type of Boots, quantity supplied, name of client and the year of delivery. Certificates from customers with satisfactory usage shall be provided with the supply record.

### 5. Suppliers Qualification

The supplier shall furnish with the bid:

1. A supply history of the Tower Boots and/or other products.
2. Prove capital capability to supply the said quantity.

### 6. Warranty

The supplier and/or manufacturer shall provide warranty of a minimum of 1 Year from the date Fiji Electricity Authority receives the Tower Boots.

On the contrary, if the bidder cannot warranty for 1 year than a preferred warranty period shall be given by the bidder.

### 7. Quality and Environment Assurance

The quality assurance system of design, manufacture, and inspection shall conform to ISO 9001.

Quality assurance certificate according to ISO 9001 issued by an authorized inspection agency shall be submitted with the bid. Bids will not be considered if the manufacturer’s experience or quality assurance system does not meet the above requirements.

### **8. Test Results**

The bidder shall submit results for test done on the Tower Boots for slip resistance, water resistance, heat resistance, hardness of the sole, electrical hazard proof test, steel toe strength test, non-metallic penetration resistance test and other relevant test done on the equipment and drawings conforming to AS/NZS 2210.2 standards.

### **9. Information to be supplied**

The supplier should be a manufacturer, authorized distributor or reseller of the products.

Other information to be provided by the bidder as part of the proposal is:

1. Manufacturer's / Vendor's warranty on the product
2. Relevant Test Reports
3. Lead time including transit time
4. Standard compliance certificate
5. Items bedded shall be of specification provided by FEA
6. Previous FEA experience with the Bidder and supplier DIFOTIS
7. No of quantity it will carry in stock
8. Bidders shall bid for the Tower Boot only

### **10. Tender Evaluation**

After the bids are received, it will go through a normal tender evaluation process as per FEA's Tender Policy and Procedures. The successful and unsuccessful bidders will be advised of the outcome after completion of the Tender evaluation process.

The successful bidder will enter into a 1 or 3 years contract with FEA (Whichever applicable) as mutually agreed. All terms and conditions, and pricing details will be stipulated in contract documents.

### 11. Pricing Schedule

#### 11.1 Pricing breakdown

The prices quoted will be fixed and NOT variable.

#### 11.2 Validity

The pricing shall be valid for 90 days.

#### 11.3 Prices

| <b>Prices for Tower Boots <u>delivered to FEA Kinoya Depot</u></b> |                 |                       |                                       |
|--|-----------------|-----------------------|---------------------------------------|
| <b>Product</b>   | <b>Quantity</b> | <b>Price per Boot</b> | <b>Total Price<br/>FJ\$ &amp; VIP</b> |
| Lace up Side Zip Steel Toe Safety Boots                            | 30 Boots        |                       |                                       |

Prices shall be quoted inclusive all applicable duties and taxes and delivery costs.

### **TENDER DOCUMENT SUBMISSION – INSTRUCTION TO BIDDERS**

It is mandatory for Bidders to upload a copy of their bid in the **TENDER LINK** Electronic Tender Box no later than **4:00pm, on Wednesday 6<sup>th</sup> December, 2017**

To register your interest and tender a response, view 'Current Tenders' at: <https://www.tenderlink.com/fea>

For further information contact The Secretary Tender Committee, by e-mail [TDelairewa@fea.com.fj](mailto:TDelairewa@fea.com.fj)

In additional, hard copies of the tender, one original and one copy must be deposited in the tender box located at the FEA Head Office, 2 Marlow Street, Suva, Fiji no later than **4:00pm, on Wednesday 6<sup>th</sup> December, 2017**- Addressed as

#### **Tender – MR 335/2017 Preferred Supplier for Tower Boots**

**The Secretary Tender Committee  
Fiji Electricity Authority  
Head Office  
Suva  
Fiji**

- **Hard copies of the Tender bid will also be accepted after the closing date and time provided a soft copy is uploaded in the e-Tender Box and it is dispatched before the closing date and time.**

Tenders received after **4:00pm** on the closing date of **Wednesday 6<sup>th</sup> December, 2017**

- will not be considered.
- Lowest bid will not necessarily be accepted as successful bid
- **It is the responsibility of the bidder to pay courier chargers and all other cost associated with the delivery of the hard copy of the Tender submission including any Duties/Taxes. Hard copies of the Tender submission via Post Box will not be considered.**