

TENDER DOCUMENT AND SPECIFICATION

MR 333/2017

Preferred Supplier for Double Tail Shock Absorbing Elasticated Webbing Lanyard

The Fiji Electricity Authority (FEA) invites bids from reputable suppliers for being the Preferred Supplier of Double Tail Shock Absorbing Elasticated Webbing Lanyard. The Lanyard will be used as fall arrest devices by the relevant FEA personnel when climbing the 132kV Transmission Line Towers.

1. Scope

This Specification covers the general requirements to manufacture, test, and supply 30 units of Double Tail Shock Absorbing Elasticated Webbing Lanyard.

2. Specifications

2.1 Required properties of the Lanyard

	Required Specifications	Bidders Specifications
General Information		
Brand		
Model Number		
Manufacture Year		
Country of Origin		
Physical Properties		
Length\Dimension	2m	
Weight	1.5 - 2.5kg	
Number of legs	Twin tail	
General Lanyard	Web	
Lanyard Type	Fixed	
Elasticated Webbing	Yes	
Anchor Connector Hook Type	Double action Scaffold Hook	
Harness Connector Hook Type	Screw gate karabiner with captive eye	
Anchor Connection Hook	Zinc Plated Steel	
Harness Connection Hook	Aluminium	
Webbing	REPEL technology webbing - 45mm	
Thread/ Stitching	Polyester	
Adjuster	Fall arrest rated drop forged steel, 22N	
LPD	Polycarbonate	
Hooks & Karabiners	16kN gate strength	
Capacity	160kg (combined weight of person, tools, clothing)	
Minimum Breaking Strength	15kN	
Activation	Activates at a minimum force of 200kg	

Arresting Force	Impact force on user is kept below 6kN (in case of fall)	
Lanyard Extension	Extend to 1.75m (in case of a fall)	
Standards Compliance	AS/NZS 1891, AS/NZS 4488, AS/NZS 5532	
Compatibility		
iSafe Equipped	Yes	
Velocity Ship	Yes	
Shock absorbing ability	Shock absorbing lanyard elasticated webbing	

2.2 Design

The Double Tail Shock Absorbing Elasticated Webbing Lanyard generally comprises a single shock absorbing device fitted at one end with an integral double action hook, screw connector or triple action karabiner. The second end of the shock absorber is connected to two, equal length lanyard “tails” - each terminating in identical double action hooks, screw gate or triple action karabiners. These tails must be “web” design.

Lanyards should be long enough to ensure usability while remaining as short as possible to minimize free fall distances. The overall length of the lanyard, from the tip of terminating hardware at one end of the shock absorber to the tip of the terminating hardware at each tail, must not exceed 2m.

As with all energy absorbing lanyards, the shock absorber must not deploy at a force below 200kg and when used to arrest a fall, must limit the maximum force on the body to below 6kN. This applies whether one or both tails are connected to one or two certified anchor points. The lanyard should be certified to AS/NZS 1891.1 (2007).

3. Standards applicable for this Tender

ISO 9001	Quality Management System	
AS/NZS 1891	Industrial Fall Arrest Systems and Devices	
	AS/NZS 1891.1	<i>Harness and ancillary equipment</i>
	AS/NZS 1891.2	<i>Horizontal lifeline and rail systems</i>
	AS/NZS 1891.3	<i>Fall Arrest devices</i>
AS/NZS 4488	Industrial Rope Access Systems	
	AS/NZS 4488.2	<i>Selection, use and maintenance</i>
AS/NZS 5532	Manufacturing requirements for single point anchor device used for harness based work at height	

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 Double Tail Shock Absorbing Elasticated Webbing Lanyard for at least three (3) years. As proof, the manufacturer shall submit a supply-list indicating type of Lanyard, 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 Double Tail Shock Absorbing Elasticated Webbing Lanyard 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 3 Years from the date Fiji Electricity Authority receives the Lanyards.

On the contrary, if the bidder cannot warranty for 3 years 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 various tests such as Type test and Routine Test done on the Twin Tail Lanyards for the minimum breaking strength, shock absorbing ability, hooks and karabiners strength, arresting forces and other characteristics of the lanyard.

9. Information to be supplied

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

The following information shall be supplied with the offer:

- a) Catalogue describing the items and indicating the model number
- b) Constructional features and material used for components
- c) Complete dimensional drawing
- d) Quality assurance certificates
- e) Duly completed schedule of guaranteed technical particulars
- f) Manufacturing experience and list of purchasers
- g) Relevant Test certificates as per clause 8
- h) Standard compliance certificate
- i) Previous FEA experience with the Bidder and supplier
- j) No. of quantity it will carry in stock

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 Incoterms

All pricing shall be done on Cost, Insurance and Freight (CIF) basis, delivered to Suva wharf, Fiji.

11.2 Currency

All pricing shall be in either: US\$, AU\$, NZ\$, FJ\$.

11.3 Taxation

The pricing shall be EXCLUSIVE of any type of taxation that needs to be paid in Fiji.

11.4 Pricing breakdown

The prices quoted will be fixed and NOT variable.

11.5 Validity

The pricing shall be valid for **90 days**.

11.6 Prices

Prices for Twin Tail Lanyard <u>delivered to FEA Kinoya Depot</u>			
Product	Quantity	Price per Lanyard	Total Price
Double Tail Shock Absorbing Elasticated Webbing Lanyard	20 Units		

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 6th 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

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 6th December, 2017**- Addressed as

Tender – MR 333/2017 Preferred Supplier for Double Tail Shock Absorbing Elasticated Webbing Lanyard

**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 6th 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.**