



ENERGY FIJI LIMITED

BIDDING DOCUMENT

**MR 99/2026 - SUPPLY OF 132KV
TRANSMISSION MONOPOLE TOWER
RESCUE KIT**

Section 1: Instructions to Bidders

- 1. Scope of Bid**

The Energy Fiji Limited (hereinafter referred to as "the purchaser"), wishes to receive bids for Supply of 132kV Transmission Monopole Tower Rescue Kit.
- 2. Eligible Bidders**

This Invitation to Bid is open to bidders who have sound financial background and have previous experience in handling such projects.

Bidders shall provide such evidence of their continued eligibility satisfactory to the purchaser as the purchaser shall reasonably request.

Bidders shall not be under a declaration of ineligibility for corrupt or fraudulent.
- 3. Eligible Materials, Equipment and Services**

The 132kV Transmission Monopole Tower Rescue Kit to be supplied under the Contract shall have their origin from reputable companies from various countries. At the Purchaser's request, bidders may be required to provide evidence of the origin of various parts of the 132kV Transmission Monopole Tower Rescue Kit.
- 4. Qualification of the Bidder**

To be qualified for award of Contract, bidders shall submit proposals regarding work methods, scheduling and resourcing which shall be provided in sufficient detail to confirm the bidder's capability to fulfill the contract.
- 5. Cost of Bidding**

The bidder shall bear all costs associated with the preparation and submission of its bid and the Purchaser will in no case be responsible or liable for those costs.
- 6. Tender Submission**

It is mandatory for bidders to upload a copy of their bid in the TENDER LINK Electronic Tender Box no Later than 1600hrs, Wednesday 9th September, 2026. To register your interest and tender a response, view 'Current Tenders' at: <https://www.tenderlink.com/efl>

For further information contact the Manager Strategic Procurement, Inventory & Properties at JReddy@efl.com.fj

Bidders are requested to upload electronic copies via Tender Link by Registering their interest at: <https://www.tenderlink.com/efl>

This Tender Closes at 4.00pm (1600hrs) on Wednesday 9th September, 2026.
- 7. Deadline for Submission of Bids**

Bids must be received by the Employer at the address specified above no later than 1600 hours (Fiji Time) (9th September 2026). 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.
- 8. Late Bids**

Any bid received by the purchaser after the deadline for submission of bids prescribed will be rejected and returned unopened to the bidder.

**9. 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 the Purchaser prior to the deadline for submission of bids.

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

**10. Purchaser's Right
to Accept any Bid
and to Reject any or
all Bids**

The Purchaser 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 Purchaser's action.

**11. Notification of
Award**

Prior to expiration of the period of bid validity prescribed by the Purchaser, the Purchaser will notify the successful bidder by fax/email, confirmed by registered letter, that its bid has been accepted. This letter (hereinafter and in the Conditions of Contract called the "Letter of Acceptance") shall name the sum which the Purchaser will pay the Contractor in consideration of the execution, completion and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Conditions of Contract called "the Contract Price").

The notification of award will constitute the formation of the Contract.

Upon the furnishing by the successful bidder of a performance security, the Purchaser will promptly notify the other bidders that their bids have been unsuccessful.

**12. Signing of Contract
Agreement**

At the same time that he notifies the successful bidder that its bid has been accepted, the Purchaser will send the bidder the Form of Contract Agreement provided in the bidding documents, incorporating all agreements between the parties.

Within 7 days of receipt of the Form of Agreement, the successful bidder shall sign the Form and return it to the Purchaser

13. Corrupt or Fraudulent Practices

The Purchaser requires that the Contractor observe the highest standard of ethics during the procurement and execution of such contracts. In Pursuance of this policy, the Purchaser:

- (a) defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) "corrupt practice" means behavior on the part of officials in the public or private sectors by which they improperly and unlawfully enrich themselves and/or those close to them, or induce others to do so, by misusing the position in which they are placed, and it includes the offering, giving, receiving or soliciting of anything of value to influence the action of any such official in the procurement process or in contract execution; and
 - (ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition;
- (b) Will reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.

Table of Contents

Section 1: Instructions to Bidders	1
Section 2: Technical Specification	1
1 General Description	1
2 Scope	1
3 Operating & Environmental Conditions (Fiji Tropical Climate).....	1
4 Mandatory Standards & Compliance	1
5 Technical Performance & Design Parameters	2
5.1 System Capacities	2
5.2 Controlled Descent Device (CDD)	2
5.3 Lifeline Static Rope.....	2
5.4 Mechanical Advantage Lifting System	2
5.5 Rigging Hardware & Connectors.....	2
5.6 Containment System.....	2
6 Bidder Technical Submission Requirements.....	3
6.1 Product Specifications & Documentation.....	3
6.2 Traceability Requirements	3
6.3 Reliability & Failure Rates	3
6.4 Site Visit.....	3
7 Commercial Terms & Pricing Validity.....	3
8 Routine Inspection, Tagging, and Asset Management	3
9 Warranty Requirements for Tropical Storage.....	4
10 On-Site Line worker Training and Certification.....	4
Section 3: Pricing Schedule	5
11 Price Breakdown	5
Tender Evaluation Criteria	6
Mechanical Advantage Lifting System	7
Mechanical Advantage Lifting System	7
Mechanical Advantage Lifting System	7
Traceability Requirements	8
12 Tender Submission - Instruction to bidders.....	10
Tender Submission via email or fax will not be accepted.....	11

Section 2: Technical Specification

1 General Description

The Energy Fiji Limited invites sealed tenders from reputable companies with the relevant experience, for the Supply of 132kV Transmission Monopole Tower Rescue Kit.

2 Scope

This specification establishes the minimum technical, safety, environmental, and commercial requirements for the design, manufacturing, testing, and supply of a High-Voltage Transmission Monopole Tower Rescue Kit. The kit shall be specifically engineered for single-person operation to perform emergency casualty weight-transfer lifting and controlled vertical descent from steel monopole structures on a 132kV transmission network.

3 Operating & Environmental Conditions (Fiji Tropical Climate)

The rescue kit will be stored and deployed in a harsh tropical maritime environment. All components must be designed to withstand the following operational conditions without degradation of safety margins:

- **Ambient Temperature:** 15°C to 45°C.
- **Relative Humidity:** Up to 100% condensing humidity.
- **Atmospheric Corrosivity:** High salinity, heavy salt spray, and prolonged exposure to intense ultraviolet (UV) radiation.
- **Fungal Resistance:** All soft goods (webbing, ropes, bags) must be chemically treated or naturally resistant to mold, mildew, and tropical fungal growth.
- **Electrical Environment:** Proximity to energized 132kV high-voltage conductors and associated electromagnetic fields.

4 Mandatory Standards & Compliance

All equipment contained within the rescue kit must comply in full with the latest revisions of the following Australia and New Zealand (AS/NZS) standards. Bidders must provide proof of third-party certification:

- **AS/NZS 1891.1:** Industrial fall-arrest systems and devices - Selection, use and maintenance.
- **AS/NZS 1891.5:** Industrial fall-arrest systems and devices - Lanyards and pole straps.
- **AS/NZS 4488.1 / .2:** Industrial rope access systems.
- **AS/NZS ISO 22846:** Personal equipment for protection against falls - Rope access systems.
- **AS 4142.3:** Fibre ropes - Low stretch kernmantle ropes for life rescue lines.

5 Technical Performance & Design Parameters

5.1 System Capacities

- **Operation Mode:** Single-rescuer configuration (the rescuer remains safe while controlling the descent of the casualty from a fixed anchor point or during an accompanied descent).
- **Safe Working Load (SWL):** Minimum **120 kg** rated capacity for a single occupant, with structural allowances for dynamic forces during weight transfer.
- **Height Optimization:** Engineered explicitly for a maximum monopole tower height of **30 meters**.

5.2 Controlled Descent Device (CDD)

- **Mechanism:** Automatic or manual-assist friction descender providing smooth, single-handed speed regulation.
- **Anti-Panic Fail-Safe:** Must feature an integrated double-stop/anti-panic mechanism that automatically locks and halts the descent if the operator panics (either by letting go of the handle or pulling it too hard).
- **Metallurgy:** Anodized high-strength marine-grade aluminum alloy casing with stainless steel internal friction components to prevent tropical galvanic corrosion.

5.3 Lifeline Static Rope

- **Construction:** Low-stretch, high-strength Type A Kernmantle rope complying with AS 4142.3.
- **Length:** Minimum **40 meters** (providing a mandatory 10m safety buffer past the 30m maximum tower height).
- **Termination:** Shipped with a factory-certified, high-strength pre-sewn termination eye protected by a rigid thimble.
- **Properties:** High UV stabilization and specialized water/rot-resistant coating for tropical longevity.

5.4 Mechanical Advantage Lifting System

- **Function:** Compact micro-pulley rigging system to allow a single rescuer to easily lift an unconscious worker, transferring their weight off a jammed fall-arrest lanyard.
- **Ratio:** Minimum **3:1 or 4:1 mechanical advantage** efficiency profile.
- **Progress Capture:** Integrated auto-locking cam or progress-capture device to hold the victim's weight securely without manual retention by the rescuer.

5.5 Rigging Hardware & Connectors

- **Anchor Slings:** Includes one heavy-duty **50mm x 1200mm webbed anchor sling** and one **25mm x 1200mm round sling** rated to a minimum breaking strength of 22 kN.
- **Karabiners:** Minimum of three (3) high-tensile alloy **triple-lock (3-action) self-closing karabiners** to prevent accidental gate opening in high-vibration environments.

5.6 Containment System

- **Profile:** High-visibility yellow or orange heavy-duty, weather-proof PVC/Canvas backpack.
- **Features:** UV-resistant, integrated drainage eyelets at the base (to prevent water accumulation during tropical downpours), and a clear external window for inspection logging cards.

6 Bidder Technical Submission Requirements

Bidders must submit a highly detailed technical dossier. Failure to provide any of the following items will result in immediate technical disqualification:

6.1 Product Specifications & Documentation

- Fully detailed product datasheets specifying exact physical dimensions, total kit weight, and material composition charts.
- Clause-by-clause compliance matrix referencing this specification document.

6.2 Traceability Requirements

- Bidders must outline their complete equipment traceability framework.
- Every load-bearing component (descender, rope, slings, karabiners) must be indelibly marked with a unique manufacturer serial number and manufacturing date.
- Traceability records must map directly to raw material batch test certificates.

6.3 Reliability & Failure Rates

- Bidders must submit documented Mean Time Between Failures (MTBF) data, Failure Modes and Effects Analysis (FMEA) summaries, or statistical **probability of failure rates** under maximum rated loads for the primary mechanical descent and lifting components.

6.4 Site Visit

- Bidders are required attend a site visit for the visual inspection of the Monopole tower to clarify all ambiguity prior to bidding on Wednesday 26th August at Energy Fiji Limited Navutu Depot. The time for the site visit is 9am.

7 Commercial Terms & Pricing Validity

- **Price Validity:** All quoted prices must remain firm and **valid for a minimum of ninety (90) days** from the closing date of the tender submission.
- **Currency:** Rates must be clearly broken down into unit pricing, freight/delivery (CIF Lautoka).

8 Routine Inspection, Tagging, and Asset Management

To ensure operational readiness and compliance with safety frameworks, the rescue kit shall adhere to a strict inspection protocol designed for high-humidity utility environments:

- **Inspection Frequency:** The complete kit and all individual load-bearing components must be thoroughly inspected and certified every **six (6) months** in strict accordance with **AS/NZS 1891.4**.
- **Weatherproof Inspection Tags:** The containment backpack must feature a dedicated, clear inspection window housing a heavy-duty, water-resistant PVC logging card.
- **Lineworker Pre-Use Check:** All mechanical components (descender and pulleys) must be visually checkable through a rapid-access layout that allows line workers to confirm functional readiness within 60 seconds prior to ascending the monopole.
- **Service Life Limits:**

- **Soft Goods:** All synthetic textile components (rope, slings, webbing) must have a clearly stated maximum service life of no less than **10 years** from the date of manufacture, subject to passing the 6-monthly inspections.
- **Hard Goods:** Metallic hardware components (karabiners, descenders, blocks) shall have an indefinite service life, provided they pass visual and mechanical inspection criteria.

9 Warranty Requirements for Tropical Storage

Due to the accelerated degradation risks associated with Fiji's tropical climate (high salinity, UV exposure, and condensation), the following warranty terms apply:

- **Warranty Period:** Bidders must provide a comprehensive, unconditional manufacturer's warranty of not less than three (3) years (36 months) from the date of delivery and commissioning.
- **Scope of Warranty:** The warranty must cover full replacement costs for any component exhibiting premature corrosion, material pitting, degradation of UV coatings, fungal rotting, or mechanical seizing under standard storage and operational conditions.
- **Storage Preservation:** Bidders must specify any unique climate-controlled storage parameters or protective measures required to maintain warranty validity when the kits are housed in regional utility depots.

10 On-Site Line worker Training and Certification

The supplier is required to deliver a comprehensive competency framework to ensure local crews can operate the kit safely under high-stress conditions:

- **Training Delivery:** Bidders must include a commercial option for a certified instructor to deliver hands-on, on-site training in Fiji for the utility's transmission lines crew.
- **Curriculum Requirements:** The training program must align with AS/NZS 4488 and AS/NZS ISO 22846 principles, covering:
 - Monopole-specific anchor point identification and structural rigging.
 - Mechanical advantage weight-transfer techniques for unconscious casualties.
 - Single-person controlled descent operation and panic-lock management.
 - 6-monthly periodic inspection criteria and damage identification.
- **Certification:** Upon successful completion of the practical and theoretical assessments, the supplier must issue a formal Certificate of Competency valid for a period of up to 24 months before re-certification is required.
- **Documentation:** The bidder must provide a digital copy of the training manual, quick-reference field rescue guides, and instructional videos alongside the physical kits.

Section 3: Pricing Schedule

11 Price Breakdown

#	Description	Quantity	Unit Price	Total Price
1	132kV Monopole Tower Rescue Kit	3 sets		
2	Rescue Lowering Device	3 sets		
3	Additional Accessories for Rescue kit (if required)	3 sets		
4	Training and Certification of Personnel	72		
			Currency	
			Grand Total	

Note: Bidder to provide additional accessories required for the rescue kit that is not included in the rescue kit with technical details submitted with the bid.

The Bidder may substitute alternative standards, brand names, and/or catalogue numbers in their bid, provided that it demonstrates to the Purchaser's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

Price submitted is to be in bidders currency to CIF Lautoka

Tender Evaluation Criteria

The following shall be provided in the bid submission:

No.	Criteria	Points	Requirement	Bidders Response
1.	Ambient Temperature	10	15°C to 45°C.	
2.	Relative Humidity	10	Up to 100% condensing humidity.	
3.	Atmospheric Corrosivity	10	High salinity, heavy salt spray, and prolonged exposure to intense ultraviolet (UV) radiation.	
4.	Fungal Resistance	10	All soft goods (webbing, ropes, bags) must be chemically treated or naturally resistant to mold, mildew, and tropical fungal growth.	
5.	Electrical Environment	10	Proximity to energized 132kV high-voltage conductors and associated electromagnetic fields.	
6.	Submission of third party certifications of Standards	50	• AS/NZS 1891.1 • AS/NZS 1891.5 • AS/NZS 4488.1 / .2 • AS/NZS ISO 22846 • AS 4142.3	
7.	Operation Mode	10	Single-rescuer configuration (the rescuer remains safe while controlling the descent of the casualty from a fixed anchor point or during a accompanied descent).	
8.	Safe Working Load (SWL)	10	Minimum 120 kg rated capacity for a single occupant, with structural allowances for dynamic forces during weight transfer.	
9.	Height Optimization	10	Engineered explicitly for a maximum monopole tower height of 30 meters.	
10.	Controlled Descent Device Mechanism	10	Automatic or manual-assist friction descender providing smooth, single-handed speed regulation.	
11.	Controlled Descent Device Anti-Panic Fail-Safe	10	Must feature an integrated double-stop/anti-panic mechanism that automatically locks and halts the descent if the operator panics (either by letting go of the handle or pulling it too hard).	
12.	Controlled Descent Device Metallurgy	10	Anodized high-strength marine-grade aluminum alloy casing with stainless steel internal friction components to prevent tropical galvanic corrosion.	
13.	Lifeline Static Rope Construction	10	Low-stretch, high-strength Type A Kernmantle rope complying with AS 4142.3.	

14.	Lifeline Static Rope Length	10	Minimum 40 meters (providing a mandatory 10m safety buffer past the 30m maximum tower height).	
15.	Lifeline Static Rope Termination	10	Shipped with a factory-certified, high-strength pre-sewn termination eye protected by a rigid thimble.	
16.	Lifeline Static Rope Properties	10	High UV stabilization and specialized water/rot-resistant coating for tropical longevity.	
17.	Mechanical Advantage Lifting System Function	10	Compact micro-pulley rigging system to allow a single rescuer to easily lift an unconscious worker, transferring their weight off a jammed fall-arrest lanyard.	
18.	Mechanical Advantage Lifting System Ratio	10	Minimum 3:1 or 4:1 mechanical advantage efficiency profile.	
19.	Mechanical Advantage Lifting System Progress Capture	10	Integrated auto-locking cam or progress-capture device to hold the victim's weight securely without manual retention by the rescuer.	
20.	Rigging Hardware & Connectors: Anchor Slings	10	Includes one heavy-duty 50mm x 1200mm webbed anchor sling and one 25mm x 1200mm round sling rated to a minimum breaking strength of 22 kN.	
21.	Rigging Hardware & Connectors: Karabiners	10	Minimum of three (3) high-tensile alloy triple-lock (3-action) self-closing karabiners to prevent accidental gate opening in high-vibration environments.	
22.	Containment System Profile	10	High-visibility yellow or orange heavy-duty, weather-proof PVC/Canvas backpack.	
23.	Containment System Features	10	UV-resistant, integrated drainage eyelets at the base (to prevent water accumulation during tropical downpours), and a clear external window for inspection logging cards.	
24.	Product Specifications & Documentation	10	Fully detailed product datasheets specifying exact physical dimensions, total kit weight, and material composition charts. Clause-by-clause compliance matrix referencing this specification document.	

25.	Traceability Requirements	10	Bidders must outline their complete equipment traceability framework. Every load-bearing component (descender, rope, slings, karabiners) must be indelibly marked with a unique manufacturer serial number and manufacturing date. Traceability records must map directly to raw material batch test certificates.	
26.	Reliability & Failure Rates	10	Bidders must submit documented Mean Time Between Failures (MTBF) data, Failure Modes and Effects Analysis (FMEA) summaries, or statistical probability of failure rates under maximum rated loads for the primary mechanical descent and lifting components.	
27.	Site Visit	10	Bidders are required attend a site visit for the visual inspection of the Monopole tower to clarify all ambiguity prior to bidding.	
28.	Price Validity	20	Minimum of ninety (90) days from the closing date of the tender submission	
29.	Currency	20	Rates must be clearly broken down into unit pricing, freight/delivery (CIF Lautoka).	
30.	Inspection Frequency	10	The complete kit and all individual load-bearing components must be thoroughly inspected and certified every six (6) months in strict accordance with AS/NZS 1891.4 .	
31.	Weatherproof Inspection Tags	10	The containment backpack must feature a dedicated, clear inspection window housing a heavy-duty, water-resistant PVC logging card.	
32.	Lineworker Pre-Use Check	10	All mechanical components (descender and pulleys) must be visually checkable through a rapid-access layout that allows lineworkers to confirm functional	

			readiness within 60 seconds prior to ascending the monopole.	
33.	Service Life Limits: Soft Goods	10	All synthetic textile components (rope, slings, webbing) must have a clearly stated maximum service life of no less than 10 years from the date of manufacture, subject to passing the 6-monthly inspections.	
34.	Service Life Limits: Hard Goods	10	Metallic hardware components (karabiners, descenders, blocks) shall have an indefinite service life, provided they pass visual and mechanical inspection criteria.	
35.	Warranty Period	10	Bidders must provide a comprehensive, unconditional manufacturer's warranty of not less than three (3) years (36 months) from the date of delivery and commissioning.	
36.	Scope of Warranty	10	The warranty must cover full replacement costs for any component exhibiting premature corrosion, material pitting, degradation of UV coatings, fungal rotting, or mechanical seizing under standard storage and operational conditions.	
37.	Storage Preservation	10	Bidders must specify any unique climate-controlled storage parameters or protective measures required to maintain warranty validity when the kits are housed in regional utility depots.	
38.	Training and Certification	50	Provide on site training in Fiji for 72 personnel.	

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 - Instruction to bidders

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 9th September, 2026.

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.