

ENERGY FIJI LIMITED

TENDER SPECIFICATION DOCUMENT

Supply of Cable Core Identifier Kit

MR 92/2026

TENDER CLOSING: WEDNESDAY 19th AUGUST 2026

NOTE: TENDER BIDS ARE TO BE SUBMITTED ONLINE ONLY (ON EFL TENDER LINK PORTAL)

1. Scope of Supply

The supplier shall supply a complete Cable Core Identifier Kit for use in identifying and verifying cable cores and phase sequence of de-energized three-phase power cables prior to jointing, termination, switching, testing, or commissioning works.

The equipment shall be suitable for utility field use on distribution power cables and shall be supplied complete with all accessories required for safe and effective operation.

The supplier shall supply a total quantity of **eight (8) units** in accordance with the requirements stated in this technical specification

2. Intended Application

The Cable Core Identifier shall be used for:

- Correct identification of cable cores prior to jointing or termination.
- Verification of phase sequence/core sequence between both ends of a cable.
- Identification of incorrectly connected, reversed, open-circuited, short-circuited, or earthed cores where supported by the instrument.
- Field use by cable jointers, testing teams, and distribution maintenance/commissioning personnel.

The equipment shall be intended for use on de-energised cables only, unless the offered model specifically includes certified functionality for live LV cable identification.

3. Minimum Technical Requirements

Item	Minimum Requirement
Equipment type	Portable Cable Core Identifier, transmitter and receiver/remote unit type, or approved equivalent.
Application	Identification of cores and phase/core sequence in three-phase power cables.
Cable condition	Suitable for use on de-energised cables.
Cable voltage class	Suitable for distribution power cable applications; preference for equipment suitable up to 33 kV or better.
Cable length capability	Minimum 1 km preferred; 10 km or better will be evaluated favourably.
Indication method	Clear visual LED indication or equivalent clear display system.
Phase/core leads	Colour-coded leads, preferably Red, Yellow, Blue, or equivalent phase identification colours.
Power supply	Battery-operated transmitter, preferably 9 V PP3 or rechargeable equivalent.
Receiver/remote unit	Passive or battery-operated receiver acceptable, provided operation is simple and reliable.
Self-test	Built-in battery test and/or self-test function required.
Fault indication	Shall indicate correct core matching and preferably identify reversed phases, rotated sequence, open circuit, short circuit, or earthed cores.

Item	Minimum Requirement
Field construction	Rugged, portable, and suitable for outdoor utility field conditions.
Carry case	Heavy-duty carry bag or protective case required.
Leads and clips	Insulated flexible leads with suitable crocodile clips.
Operating instructions	Clear operating instructions/manual shall be supplied.

4. Safety Requirements

The supplied equipment shall comply with the following safety requirements:

- Shall be safe and suitable for use by trained electrical personnel.
- Shall be clearly marked for its intended use and limitations.
- Shall include warning labels stating whether the equipment is for de-energised cables only.
- Test leads shall be adequately insulated and suitable for field testing conditions.
- All accessories shall be supplied in good quality and suitable for repeated utility use.
- The supplier shall provide manufacturer's safety instructions and operating precautions.

For avoidance of doubt, if the offered equipment is for de-energised cable use only, the supplier shall clearly state this in the offer and provide the required safety instructions.

5. Functional Requirements

The Cable Core Identifier shall be capable of the following:

1. Identifying corresponding cable cores between two ends of a cable.
2. Confirming correct phase/core sequence before jointing or termination.
3. Providing clear visual indication to the operator.
4. Operating without complicated settings or calibration in normal field use.
5. Allowing pre-use self-check or battery condition check.
6. Being compact, portable, and easy to connect at site.
7. Being suitable for use in outdoor substations, cable pits, trenches, and field maintenance environments.

If live LV identification is required, bidders shall clearly state and certify this additional capability.

6. Accessories to be Supplied

Each kit shall include, as a minimum:

- 1 x Cable Core Identifier transmitter unit.
- 1 x Receiver/remote unit or diode array.
- Complete set of colour-coded test leads.
- Complete set of insulated crocodile clips.
- Battery or charger, as applicable.
- Carrying/protective case.
- Operating manual.
- Manufacturer's datasheet.
- Calibration certificate/test certificate, if applicable.
- Warranty certificate.

7. Documentation Requirements

The supplier shall submit the following with the tender:

- Manufacturer's technical datasheet.
- Model number and country of origin.
- Compliance statement against each item of this specification.
- Operating manual.
- Safety instructions.
- Warranty terms.
- Details of local support, repair, and replacement parts availability.
- Delivery period.
- List of included accessories.
- Any exclusions or deviations from this specification.

8. Warranty and Support

The equipment shall be supplied with a minimum 24-month warranty from the date of delivery or commissioning, whichever is later. The supplier shall provide technical support during the warranty period and confirm availability of replacement parts, leads, clips, batteries, or accessories.

9. Inspection and Acceptance

EFL reserves the right to inspect the supplied equipment upon delivery. Acceptance shall be subject to:

- Compliance with the tender specification.
- Verification that all accessories are supplied.
- Review of manufacturer's datasheet/manual.
- Physical inspection for damage.
- Functional demonstration, if required.

Equipment found damaged, incomplete, or not complying with the approved offer shall be rejected or replaced at the supplier's cost.

10. Evaluation Criteria

Tender evaluation may consider:

- Compliance with technical specification.
- Suitability for distribution cable field work.
- Safety features.
- Ease of operation.
- Ruggedness and portability.
- Availability of accessories and spares.
- Warranty and after-sales support.
- Delivery period.
- Price and overall value for money.

11. Pricing Schedule

The bidder shall submit a detailed price schedule for the supply of the Cable Core Identifier Kit. All prices shall be quoted in bid country currency and shall be inclusive of all applicable costs required to deliver the complete equipment to EFL.

11.1 Price Breakdown

No.	Description	Qty	Unit Price	Total Price
1	Cable Core Identifier Kit complete with transmitter and receiver/remote unit Colour-coded insulated test leads and connection clips Protective carrying case	8 units		
2	Freight, handling, customs clearance, and delivery to EFL stores/site	1		
	Total Tender Price Exclusive of VAT			

11.2 Pricing Requirements

The quoted price shall include:

- Complete supply of the Cable Core Identifier Kit.
- All standard accessories required for safe and effective operation.
- Delivery to the EFL Kinoya Depot, Suva, Fiji.
- Manufacturer's datasheet, operating manual, and safety instructions.
- Warranty support for the offered equipment.
- Any applicable freight, handling, customs, and local delivery charges.

11.3 Validity of Price

The tender price shall remain valid for a minimum period of 90 days from the closing date of the tender, unless otherwise stated by EFL.

11.4 Payment Terms

The bidder shall clearly state the proposed payment terms. EFL's preferred payment shall be 30 days after successful delivery, inspection, and acceptance of the complete equipment.

11.5 Delivery Period

The bidder shall clearly state the confirmed delivery period from the date of issue of the official Purchase Order.

11.6 Price Evaluation

Tender price evaluation may consider:

- Total tender price.
- Completeness of supplied kit and accessories.
- Warranty and after-sales support.
- Delivery period.
- Compliance with technical specification.
- Overall value for money, not lowest price only.

12. Mandatory and Technical Compliance Requirements

Bidders shall complete and submit the mandatory and technical compliance schedules below. Failure to submit required mandatory documents or failure to meet the minimum technical requirements may result in the bid being deemed non-responsive.

12.1 Mandatory Compliance Requirements

The following requirements are mandatory and shall be provided as part of the tender submission:

No.	Mandatory Requirement	Compliance Required
1	Bidder shall be legally registered and authorised to supply electrical testing equipment.	Mandatory
2	Bidder shall provide company profile, business registration, and relevant trading/licence details.	Mandatory
3	Bidder shall submit a completed compliance schedule against all technical requirements.	Mandatory
4	Bidder shall provide manufacturer's datasheet for the offered Cable Core Identifier.	Mandatory
5	Bidder shall provide model number, brand, country of origin, and product catalogue/manual.	Mandatory
6	Bidder shall submit a detailed price schedule in the bidder's country currency, including freight, handling, customs clearance, and delivery charges where applicable.	Mandatory
7	Bidder shall confirm delivery period from the date of issue of Purchase Order.	Mandatory
8	Bidder shall provide a minimum 24-month warranty.	Mandatory
9	Bidder shall confirm availability of after-sales support, spare parts, replacement leads, clips, batteries, and accessories.	Mandatory
10	Bidder shall provide safety instructions and operating manual with the equipment.	Mandatory
11	Bidder shall provide evidence of previous supply experience for electrical testing equipment, utility equipment, or similar instruments.	Mandatory
12	Bidder shall bear all costs associated with preparation and submission of the bid.	Mandatory
13	EFL reserves the right to accept or reject any bid and annul the bidding process prior to award.	Mandatory

12.2 Technical Compliance Requirements

The following technical requirements define the minimum acceptable requirements for the Cable Core Identifier Kit:

No .	Technical Requirement	Minimum Requirement
1	Equipment type	Cable Core Identifier Kit, complete with transmitter and receiver/remote unit or approved equivalent.
2	Application	Shall identify and verify cable cores in three-phase power cables prior to jointing, termination, testing, or commissioning.
3	Cable operating condition	Shall be suitable for de-energised cable identification as a minimum.
4	Voltage class suitability	Shall be suitable for distribution power cable applications. Preference shall be given to equipment suitable up to 33 kV or higher.
5	Cable length capability	Shall be suitable for practical field cable lengths. Longer cable capability will be evaluated favourably.
6	Core/phase identification	Shall identify corresponding cores between both ends of the cable.
7	Phase sequence verification	Shall confirm correct core/phase sequence before jointing or termination.
8	Indication method	Shall provide clear visual indication, preferably LED indication or equivalent clear display.
9	Colour-coded leads	Shall include colour-coded insulated leads, preferably Red, Yellow, and Blue or equivalent phase colours.
10	Fault indication	Shall preferably indicate incorrect core matching, reversed phases, phase rotation errors, open-circuited cores, short-circuited cores, or earthed cores.
11	Self-test function	Shall include built-in battery test and/or self-test function.
12	Power supply	Shall be battery operated or rechargeable. If battery operated, battery type shall be clearly stated.
13	Receiver/remote unit	Shall include receiver/remote unit, diode array, or equivalent device required for core identification at the opposite cable end.
14	Test leads and clips	Shall include complete insulated flexible test leads with suitable crocodile clips or test probes.
15	Insulation and safety	Leads and clips shall be suitably insulated for field application and safe handling by trained electrical personnel.
16	Construction	Equipment shall be rugged, portable, and suitable for outdoor utility field use.
17	Carry case	Heavy-duty carry case or protective bag shall be supplied.
18	Operating manual	Manufacturer's operating manual and safety instructions shall be supplied.
19	Training	Supplier shall provide user familiarisation/training if requested by EFL.
20	Optional live cable identification	If offered, bidder shall clearly state and certify whether the equipment can identify live LV or MV cables.
21	Calibration/test certificate	Bidder shall provide calibration certificate, test certificate, or factory certificate

No.	Technical Requirement	Minimum Requirement
		where applicable.
22	Accessories	Kit shall be supplied complete with all accessories required for immediate field use.
23	Warranty support	Minimum 24-month warranty and replacement accessory support shall be confirmed.
24	Spares availability	Supplier shall confirm availability of replacement leads, clips, probes, batteries, chargers, carry case, and other consumables/accessories.

13. Compliance Schedule

Bidders shall complete and submit the following compliance schedule:

No.	Requirement	Comply / Not Comply	Details / Deviation
1	Suitable for identifying cable cores in three-phase power cables		
2	Suitable for de-energised cable applications		
3	Transmitter and receiver/remote unit supplied		
4	Clear LED/display indication provided		
5	Colour-coded insulated test leads supplied		
6	Built-in battery/self-test function provided		
7	Protective carry case supplied		
8	Operating manual supplied		
9	Warranty minimum 24 months		
10	Datasheet submitted with offer		
11	Suitable for utility field use		
12	Spares/accessories available		

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 19th August, 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.