

REQUEST FOR PROPOSAL (RFP)



**Supply and Installation of 10kVA UPS at
Cunningham Sub-Station
MR 96/2026**

1. Purpose and Overview

Energy Fiji Limited (EFL) invites proposals from qualified and authorized vendors for the supply, installation, testing, commissioning, and support of a 10 kVA online UPS system with two (2) battery banks at the Cunningham DR site. Vendors must provide two battery bank options:

- Lithium-ion battery bank option, and
- Lead acid (VRLA/AGM/Gel) battery bank option.

This UPS system will support critical ICT and operational infrastructure, providing clean and continuous power, with scalable battery autonomy and appropriate lifecycle value.

2. Eligibility Criteria/Pre-qualification of the Bidder

Vendors must meet the following mandatory criteria:

- Authorized distributor/reseller AND service provider for the UPS solution.
- Certified technicians/engineers for installation, commissioning, and post-implementation support.
- Demonstrated experience in UPS or electrical power backup deployments on a comparable scale.

3. Background and Drivers

The Cunningham DR site requires a high availability power protection system to ensure uptime of critical ICT, networking, and operational systems.

Key Drivers:

- Backup power reliability and resilience.
- Ensure clean backup power for sensitive equipment.
- Eliminate service interruptions due to grid instability.
- Provide scalable battery autonomy options.
- Reduce long-term maintenance and operational risks.

4. Objectives

The proposed UPS system must:

- Provide **10 kVA** true online double conversion protection.
- Include **two (2) independent battery banks** with isolation and monitoring.
- Offer vendors options for **Lithium-ion** and **Lead-acid** battery chemistries.
- Provide monitoring, remote management, alarms, and integration to EFL's NMS environment.
- Include complete installation, testing, and commissioning.
- Include documentation and training.
- Option for SLA based support.

5. Scope of Work

The vendor shall supply a firm fixed price proposal covering:

a) Solution Design & Engineering

- Provide system architecture showing UPS, battery banks, monitoring modules, and bypass systems.
- Provide autonomy calculations at 100% and 50% loads.
- Identify required electrical cabling.

b) Hardware & Software Supply

- 10 kVA true double conversion UPS.
- Two (2) battery banks per battery option (Lithium and Lead acid).
- External maintenance bypass panel.
- Monitoring cards (SNMP/Modbus).
- DC cabling, lugs, labels, and accessories.

c) Installation, Testing & Commissioning

- Site survey and pre-installation checks.
- Delivery, mounting, wiring, and labeling.
- Functional, load, autonomy, and bypass testing.
- Site Acceptance Testing and complete commissioning documentation.

d) Training & Documentation

- User training for operations staff.
- Technical documentation, manuals, and as built drawings.

e) Warranty, Maintenance & Support

- Hardware & battery warranties.
- SLA based maintenance for 3 years (minimum).
- Support structure, response times, and escalation matrix.

6. Technical Requirements

a) UPS Requirements

- **Topology:** Online double conversion (VFSS111)
- **Capacity:** 10 kVA (10 kW preferred)
- **Input:** THDi $\leq 5\%$, PF ≥ 0.99
- **Output:** THDv $\leq 2\%$ (linear), $\leq 5\%$ (nonlinear)
- **Efficiency:** $\geq 94\%$ online
- **Bypass:** Internal static + external maintenance bypass
- **Monitoring:** SNMP/Modbus, local LCD panel
- **Standards:** IEC/EN 62040 series

b) Battery Bank Requirements (Common)

- Two (2) independent battery banks with DC protection.
- Battery monitoring (voltage, current, temp; string monitoring preferred).

- Provide runtime at 100% and 50% load.
- Provide battery racks/cabinets.
- Provide MSDS, disposal, and recycling plans.

c) Battery Option A – Lithium ion

- Preferred LiFePO4 chemistry.
- Must include a full BMS with balancing, protections, logging.
- UN38.3 compliance.
- Provide footprint, recharge times, life cycle.

d) Battery Option B – Lead Acid- (VRLA/AGM/Gel)

- UPS grade VRLA or Gel.
- Temperature compensated charger settings.
- Ventilation requirements.
- Provide cabinet / rack details.

e) Additional Equipment for Existing UPS

- Authorised APC bidders are required to also provide a proposal for 2 x SRT 1000 External Battery Pack Case/Chasis ONLY, without the batteries.

7. Deliverables

Vendors must deliver:

- UPS and battery systems.
- External bypass panel.
- Cabling, labelling, containment.
- As-builts, manuals, warranty certificates.
- Commissioning report.
- Technical /Training materials.

8. Testing, Commissioning & Acceptance

Minimum required tests:

- Electrical verification, torque tests.
- UPS switching, bypass, step load response.
- Battery autonomy validation.
- SNMP/Modbus integration verification.
- Complete SAT signoff.

Acceptance requires:

- Successful autonomy tests.
- Successful alarm/monitoring integration.
- Full documentation handover.

9. Warranty & Support

UPS Warranty: Minimum 3 years, Ideal 5 years.

Battery Warranty:

- Lithium ion: ≥ 5 years
- Lead acid: ≥ 3 years

SLA:

- Critical issues: 4hour response
- High priority: 8hour response

Spare parts availability.

10. Proposal Content and Format

Vendors must submit proposals using the structure below. Proposals that do not follow this format may be rejected.

- Cover letter
- Company profile and Product certifications
- Business Certificates
- Technical proposal and architecture
- TAX, FNU, FNPF Compliance Certifications
- Bill of Materials (BoM) with pricing
- Installation & commissioning plan
- Warranty, SLA, support structure
- Battery bank options in full detail
- Project plan and schedule
- References for similar projects
- Risk assessment & mitigation plan
- Exceptions & deviations

11. Mandatory Compliance Checklist

Vendors must complete a detailed checklist covering:

- Authorized reseller/manufacturer status
- Local support availability
- UPS technical compliance
- Battery compliance (Li-ion & Lead-acid)
- Safety and standards compliance
- Monitoring & integration capability
- Documentation completeness

12. Evaluation Criteria and Weighting

Proposals will be evaluated against the following criteria. EFL reserves the right to change the weightings stated below.

	Description	Weight
1	Compliance with technical and functional requirements, fit for purpose, reliability	40%
2	Battery technology suitability & lifecycle	20%
3	Vendor experience, references, local support capability, warranties, and SLA commitments	15%
4	Total cost of ownership	25%

Price will not be the sole deciding factor; EFL seeks best overall value aligned to operational resilience and legal compliance.

13. Pricing and Commercials

Vendors must provide clear cost breakdown:

- Separate pricing for UPS, Lithium battery banks, and Lead-acid battery banks.
- Breakdown of equipment, installation, testing, training, and maintenance.
- Optional extended warranties.
- All prices in FJD, inclusive of VAT.

14. Terms and Conditions

- EFL may accept or reject any proposal.
- Vendor timelines become binding upon contract signing.
- All project information remains confidential

15. Contact for Site Visits and Clarifications

All requests for clarification and booking of site visits should be emailed to: <mailto:tenders@efl.com.fj> with subject line: "RFP-EFL-UPS-2026-02 Clarification / Site Visit Request".

16. Next Steps for Vendor

1. Review this RFP and prepare your proposal per Section 10 & 11.
2. Schedule a site survey by emailing tenders@efl.com.fj.
3. Submit your proposal by the deadline provided.

17. Due Date and Submission of Tenders

Tenders must be lodged no later than 4:00pm, on Wednesday 9th September 2026. Tenders received after the closing date will not be considered.

It is mandatory for Bidders to upload a copy of their bid in the **TENDER LINK** Electronic Tender Box no later than the above-mentioned date and time.

Supply and Install 10kVA UPS at Cunningham Sub-Station

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 tenders@efl.com.fj

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 09th 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.