



**Carry out Fire Protection System Repair and  
Upgrade Works for Cawaira Power Station,  
Labasa**

**Tender Number: MR 234/2024**

Energy Fiji Limited (EFL) is a statutory body vested with the responsibility for the provision of electricity supply throughout the Fiji Islands.

EFL is responsible for the Generation, Transmission and Retail of electricity on the larger islands, Viti Levu, Vanua Levu and Ovalau, which account for some 90% of the country's population. Installed generation capacity is approximately 237MW, comprising 80MW Monasavu Hydro Scheme and 40MW Nadarivatu Hydro Scheme in Viti Levu and about 112MW of diesel capacity in 14 stations on the three main islands. Of the diesel capacity 92MW is on Viti Levu which has been supplementing the Monasavu hydro scheme for the Viti Levu Interconnected System (VLIS) which has been reaching maximum demand of 152MW. Transmission is provided by 145km of 132kV lines (connecting Wailoa & Nadarivatu Hydro Power Stations to the East and West coasts) and about 350km of 33kV lines. Power distribution is by means of more than 8,000km of 11kV and 415/240V lines.

Energy Fiji Limited is hereby requesting proposals from the reputable suppliers and companies to provide cost proposals for the supply and installation of new air conditioning units at various EFL Sites Fiji Wide.

## **A. General Notes:**

### **1. Preliminary and General**

The Contractor shall furnish all labor, equipment, transportation, and services as necessary to complete all work included in the tender specifications.

### **2. Site Location**

Cawaira Power Station, Labasa

### **3. Health and Safety**

The contractor shall at all times comply with all Energy Fiji Limited's HSE Regulations currently in force.

### **4. Building Conditions**

The contractor is advised to visit and assess the site and existing premises prior to tendering, as no claim or variation will be allowed on the grounds of ignorance of the conditions existing.

### **5. Work Plan**

The contractor shall prepare a Work Programme, Work Safety Plan/Risk Assessment Plan in accordance and shall submit the plan to the Manager Properties or the Property Officer's for his approval before commencing with work on the site.

## **B. Other Relevant Information**

### **1. Site Safety Management System**

The Contractor shall establish and maintain a Site Safety Management System that ensures the safety of all persons on the Site in accordance with the requirements of the Energy Fiji Limited Occupational Health and Safety Policy and the Health and Safety at Work Act, 1996 requiring strict compliance by the parties hereto.

EFL will carry out conduct an induction for the Contractor and its members to familiarize with the Energy Fiji Limited's Occupational Health and Safety Policy.

### **2. Environmental Control**

Comply with all environmental protection provisions in the Contract and the requirements of any statute, by-law, standard and the like related to environmental protection.

### **3. Protection Of People And Property**

The contractor shall keep all persons (workers) under control and within the boundaries of the site. He will be held responsible for the care of the existing premises and works generally until completion.

### **4. EFL Contact Person**

The EFL's contact person will be the Manager Properties.

### **5. Tobacco /Alcohol/Drug Free Environment**

EFL maintains tobacco, alcohol, drug free environment. Any personnel of the contractor found violating the policy will be requested to remove the product and themselves from the sites. Offensive language or actions are not acceptable. The EFL shall have the absolute right to require replacement of any employee the EFL deems objectionable to work on EFL premises.

### **6. Insurance Requirements**

The Contractor shall be solely responsible for all respective insurance cover of person, tools, equipment involved in carrying out the Works.

The Contractor must obtain and maintain respective insurance cover at all relevant times sufficient to cover any loss or costs that may be incurred and for which the Contractor is liable in connection with the contractual works, including:

Contractors All Risk	\$1,000,000.00
Public Liability	\$1,000,000.00

### **7. Tender Site Briefing/Visit**

All interested bidders are requested to attend a **compulsory** site briefing session which will be held at EFL Head Office on the **11<sup>th</sup> of July, 2024** at **12.45pm**.

## C. Specifications and Scope of Works

The existing Automatic Fire Sprinkler installation at Cawaira, Labasa, was installed circa 1980's. Part of the fire sprinkler system sustained damage during a recent fire. The tenderers are required to comprehend the scope of the fire reinstatement, works details for guidance, as per below.

The tenderers should consider the use of Viking 3502 quick response sprinkler, approved for retrofit (but not new installations, or similar), to provide 7.5mm/min/m<sup>2</sup> density above the engine bay area, to provide increased coverage, and accelerate the release of water, utilizing existing pipework, compared to the current 5.0mm/min/m<sup>2</sup>.

The scope for the reinstatement works for the fire sprinkler system represents a design approach and concept, in conjunction with discussions with stakeholders representing a variety of interest, but it does purport performance compliance under the latest edition of NZS4541 standard. The onus is entirely on the fire service contractors to provide a certificate of compliance for the refurbished Fire Sprinkler System.

The complete design, fabrication, supply, installation, testing, commissioning, demonstrating, training, and maintenance of the following necessary to complete the intent of the project.

1. Provide a proposed design complaint to **NZS 4541-2013** standard for approval.
2. Provide a full hydraulic calculation of the proposed automatic sprinkler system.
3. Negotiate with all authorities. Allow to attend meetings, contract administration and coordination with the client's representatives, other trades, utility providers, and local authorities.
4. Mobilize to the site and set up all necessary equipment including scissor lifts.
5. Prepare and table weekly detailed report of the progress of works.
6. Installation and Commissioning works inclusive of all fire sprinkler system pipework, sprinkler heads, connections, pipe supports, fittings, seismic flexibility, and bracing. Replace all fire damaged sprinkler heads and pipework for the engine bays and in-ground cable pits, as required.
7. Provide a fully hydraulically calculated Automatic Fire Sprinkler system coverage for the engine bay area in accordance with agreed design densities, detailed in this scope of works.
8. Conduct flow test, hydraulic calculations, for complete installation including the inter-connection of existing systems such as water spray system, fire hydrant system in accordance with NZS4541; 2013, and NZS4510; 2008.
9. Allow in the tender price to verify existing fire water tank volume including suction pipework. Submit a report with details and supporting hydraulic calculations to EFL for further assessment.
10. Allow all trenching and base fill, waterproofing of below ground pipes and joints, marker tapes, back- fill and compaction, as required.
11. Sealing and fireproofing of all existing redundant penetrations and new penetrations through any fire wall.
12. Allow for preparation and painting of pipes, fire signal red.
13. Supply and install a new Fire Alarm panel with mimic facia panel, fault identification on fire pump and fire monitoring relay connection to the National Control Centre (NCC) at

Vuda Power Station for 24 hours' remote surveillance. Also, allow to repair all fire damaged circuits & devices.

14. All coordination between fire sprinkler installation and other features including existing services, both above and below ground and the existing building structure.
15. Preparation and submission of **As-Built Drawings**.
16. Commissioning of Fire Alarm Panel with remote monitoring.
17. Provide a fully evaluated, operational, commissioned and completed Fire Sprinkler System and hand over to the client before the start of the 12-month maintenance period.
18. Supply a fully bound automatic sprinkler system operational maintenance manual together with a laminated copy of a block plan with water supply reference graph of the entire system mounted on the internal wall of the fire pump room and inside valve room.
19. Provide a laminated copy of the certificate of compliance by Aon New Zealand (Sprinkler System Certifier) for works completed, which shall be displayed in a permanent holder/frame at the pump room and sprinkler control valves.
20. Provide training to the Cawaira Power Station staff on the full operation. fault finding and basic housekeeping of the pump room and its associated accessories.
21. Demobilize and clean-up of all work areas.
22. The 12 months' defects liability period from date of practical works completion

**Note:**

1. Any omissions from the above scope do not relieve the contractor of the design intent.
2. Approval means approval by NFA (National Fire Authority of Fiji), Aon New Zealand, and EFL.

## **D. Pricing**

All prices must be quoted in **VIP/FJD** with detailed work breakdown and costs to carry out the works.

***Other information that needs to be submitted with the bid are:***

1. Detailed company profile
2. Valid Compliance Letters (FRCS, FNPF, FNU)
3. Valid Insurance Cover
4. Office Locations
5. Number of employees
6. CV's of competent staff for each division/ region
7. Number of company vehicles
8. Clearly state VAT amount
9. Referees (at least 2)
10. Complete work program (preferred on Gannt Chart)

**TENDER SUBMISSION CHECK LIST**

***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. Detailed company profile
14. 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 24<sup>th</sup> July, 2024.**

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](mailto: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.**