

FIJI ELECTRICITY AUTHORITY



TENDER SPECIFICATIONS

TENDER

MR 255/2017

**Upgrading of Existing Perimeter Fence with entry/exit
gates at FEA's Wailoa Hydro Power Station**

Section A: Submission of Tender

Two (2) hard copies of the tender bids in sealed envelope shall be deposited in the tender box located at the Supply Chain Office at the FEA Head Office, 2 Marlow Street, Suva, Fiji.

Courier charges for delivery of Tender Document must be paid by the bidders.

This tender closes on Wednesday 18th October, 2017

Site Visit: FEA's Wailoa Power Station at 11.00 am on Wednesday 4th October, 2017

Each tender shall be sealed in an envelope with:

The envelope bearing only the following marking:

**Tender- MR 255/2017 – Upgrading of Existing Perimeter Fence with entry/exit gates at FEA's
Wailoa Hydro Power Station**

The Secretary, Tender Committee
Fiji Electricity Authority
Supply Chain Office
Private Mail Bag, Suva

It must also indicate the name and address of the tenderer on the reverse of the envelope.

All late tenders, unmarked Envelopes and envelopes without bidder's name and address on the reverse of the envelope. (Bids via e-mail or fax will not be considered).

For further information or clarification please contact our Supply Chain Office on phone **(+679) 3224360 or (+679) 9991587.**

Section B: Instruction to Tenderers

Fiji Electricity Authority (**FEA**) is a statutory body vested with the responsibility for the provision of electricity supply throughout the Fiji Islands. The **FEA** is hereby requesting proposals from the reputable contractors to carry out Office refurbishment works for FEA's A-frame Accommodation Units and Recreation Center at Wailoa Power Station.

A. SPECIFICATIONS

1. PRELIMINARY AND GENERAL

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

2. SITE LOCATION

Wailoa Power Station

3. Fiji ELECTRCITY AUTHORITY

The contractor shall at all times comply with all Fiji Electricity Authority'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 will be allowed on the grounds of ignorance of the conditions existing.

5. WORK PLAN

The contractor shall prepare a Work Program, Work Safety Plan/Risk Assessment Plan in accordance and shall submit the plan to the Officer in charge for his approval before commencing with work on the site.

6. Amendment of Tender

At any time prior to the deadline for submission of tenders, Fiji Electricity Authority, for any reason whether at its own initiative or in response to a clarification requested by a prospective tender, may modify the tender document by amendment. All prospective tenderers that have received the tender document will be notified of the amendment in writing and will be binding on them. In order to allow prospective tenders reasonable time to take the amendment into account in preparing their tenders, Fiji Electricity Authority at its direction, may extend the deadline for the submission of tenders.

B. OTHER RELEVANT INFORMATIONS

1. SITE SAFETY MANAGEMENT SYSTEM

The contractor shall at all times comply with all Fiji Electricity Authority's HSE Regulations currently in force. The contractor is to obtain all approvals from Ministry of Labour for any scaffolding to be used on the site. All PPE's and other safety equipment's will be checked by FEA's Health and Safety Department (HSE) to confirm if they are in compliance with the relevant current safety standards. No work shall commence prior to approvals given from FEA's HSE Department.

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. DURATION OF WORK

The expected duration for the completion of work shall be **Five (5) weeks**.

5. STORAGE ON SITE

Store materials and equipment on site to prevent damage to site and minimize hazards to persons, materials and equipment. Keep storage area neat and tidy.

Take proper precautions to keep poisonous and other injurious substance in place secured against access by unauthorized persons.

6. DAILY DIARY REPORTS

Progress reports shall be submitted daily on the forms provided by the Officer in charge or Team Leader.

7. CARE OF THE WORKS, ETC

The contractor shall keep all persons 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.

8. CLEARING AWAY

The contractor shall take down and clear away all plant and temporary work and make good. The contractor shall remove all existing rubbish and debris and surplus materials from the site as they accumulate and at completion; and clean all surfaces, including those of the affected portions of the existing premises, internally and externally, and leave the works clean and to the satisfaction of the Officer in charge or Team Leader at completion.

9. TOBACCO /ALCOHOL/DRUG FREE ENVIROMENT

FEA maintains drug free environment. Any personnel of the contractor found violating the policy will be requested to remove the product and themselves from the sites. Smoking tobacco is not allowed in FEA buildings and if so there will be designated smoking areas. Offensive language or actions are not acceptable. The FEA shall have the absolute right to require replacement of any employee the FEA deems objectionable to work on FEA premises.

10.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	\$500,000.00
Public Liability	\$500,000.00
Workmen's Compensation	\$250,000.00

11.Site Visit

a) All interested bidders must attend a **compulsory** site visit as follows:

Location	Date	Time	Contact Person
FEA Wailoa Power Station	27/07/2017	10am	Inoke Benidito Ph: 9992547

b) All tenderers shall inspect and examine the site, its surroundings, and shall satisfy him before submitting his tender, as to the nature of the work and necessity for the carrying out the contract work.

Section C: Scope of Work

Fiji building code applicable to the works carried out for the upgrading of fencing works.

Specification of Material:

- a. All fence post to be class "C" grade Galvanized Posts
- b. High tensile Barbed wire
- c. 3.15mm galvanized chain link mesh of 50mm and height of 1800mm
- d. 1.5 mm galvanized binding wire
- e. 12mm deformed rod
- f. No. 8 wire
- g. Concrete block 6 inch
- h. Concrete
- i. High tensile structural steels to be used in foundation

1. Removal Works

- a. Remove all existing chain-link, post, barbed wire and No. 8 wire completely
- b. Marking of all pegs to ensure straight lines. Contractor to ensure civil instruments and survey for marking with recognized Civil Engineer from Municipal Council.

2. Foundation Works

- c. Dig new fence foundation and prepare the foundation with structural steel and boxing
- d. Filling of the foundation with concrete using standard concrete ready mix of 20 MPA
- e. Further installation of 6" blocks above the concrete foundation. Allow for step up and step down to keep the fence base straight horizontal. Allowance of 2 rows to maximum of 4 rows of stated size block to achieve the horizontal state with proper plaster finish.

3. Supporting Poles

- f. Installation of the new post, Increase stability of post with concrete fill and cover caps to be placed on the poles to prevent water damage. The distance between each post to be of previous distance installed.
- g. Erect all fence and post in the section and provide additional two way bracing for the corner posts
- h. Angle extension to the post is a must for 3 rows of barbed wires at equal distance directing Outwards

4. Chain- Link and Barbed Wire

- i. Installation of New Chain Links with specified materials as above
- j. No.8 wire to be run across the whole length of the perimeter at top, middle and bottom section of the fence. All chain link binding at 10cm intervals to the No.8 binding wire using galvanized 1.5mm wire. Maximum gap between chain link and 6" block not more than 10mm or 1cm.
- k. The fence shall be pulled taut and supported by three (3) rows of high tensile barbed wire to be run across the fence along the entire perimeter sitting on the angle extension on the top of the pole

5. Front Gate

- l. The gate to be inspected and fabricated for those parts which are rusted and out of shape. The gate to be painted according to FEA color code and installed with pad lock. Similar design of sliding gate to be followed as before.
- m. Inspection, repair/replace of motor, screen panel and controls of the gate
- n. Gate to be controlled both from power station and the security booth via control panel as well as remote
- o. Allow the gate to be smoothly operational

Note:

- All metal-ware (wire, staples, screws, poles, connectors etc.) must be galvanized.
- All metal ware to be painted first with rust-guard and then 2 Pac of silver coating
- Concrete shall comply with the relevant requirements of AS3600 and AS3610 with reinforcement of deformed 10mm steel bars.
- Aggregates for concrete complying with 20mm crushed stone and ready mix hardener.
- All Sub-contractors to be used for any part of the works are to be declared.
- Contractor must ensure engineers certificate will be provided for the fencing works.
- Warranty for the fencing works must be provided.
- FEA financial terms are applicable for these works.
- Site Inspection is **Mandatory**

 Upgrading of Existing Perimeter Fence with entry/exit gates at FEA's Wailoa Hydro Power Station

<u>Item</u>	<u>ITEM DESCRIPTION</u>	<u>TOTAL PRICE</u> <u>\$ FJD</u>
1	Removal Works	
2	Foundation Works	
3	Supporting Poles	
4	Chain-link and Barbed Wire	
5	Gates	
	TOTAL (VEP)	
	VAT 9%	
	TOTAL (VIP)	

Area 1: Wailoa Hydro Power Station



