



FIJI ELECTRICITY AUTHORITY TENDER

TENDER NO: MR 319/2017

FEA Cunningham Substation Fence Maintenance

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The Fiji Electricity Authority invites reputable contractors to tender for the supply, construction and installation of fencing at FEA Cunningham Substation. The tender shall be on the basis of a lump sum contract based on firm prices.

FEA is seeking those **contractors, who shall be able to ensure all civil works shall be complete by the 23rd December, 2017.**

It is Mandatory for bidders to submit two (2) hard copies of bids in Sealed envelopes to the following location:

The Secretary – Tender Committee,
Fiji Electricity Authority Head Office,
2 Marlow Street,
Suva

The Tenders Should be Marked with the Following Details:

“TENDER NO: MR 319/2017 – “FEA Cunningham Substation fence Maintenance”

COMPANY NAME AND ADDRESS

Further Information about this tender can be obtained from:

Tuvitu Delairewa
General Manager Commercial
2 Marlow Street, Suva, Fiji.
Email: TDelairewa@fea.com.fj
Phone: 679 3224 185

A Mandatory Site visit will be held on **Monday, 20th November, 2017 commencing at 10.00am**

The deadline for submission of Tenders shall be 1600hrs on **Wednesday 22nd November, 2017, Fiji Standard Time.**

Tenders received after the closing date and time as stipulated above will not be considered.

It is the responsibility of the bidder to pay the courier charges and all other costs associated with the delivery of the hard copy of the tender bid.

1. SCOPE OF WORKS

This section covers the civil scope of work for construction of fencing at Fiji Electricity Authority's Cunningham Substation.

1.1 GENERAL DESCRIPTION

The following forms the scope covered in this tender:

1. 200m - Remove the existing fence, together with intermediate #8 wires and barbed wires.
2. 200m - Supply and install new chain-link fence of the original size (height 1.8m) and wire size of 3.5mm with intermediate #8 wire. .
3. 200m - Secure bottom of the chain links to the blocks using new concrete capping. Concrete strength to be min. 20MPa.
4. Carry out rust works on all fence posts, gates and earthing points on fence. Wash and apply rust guard. Apply final coat of paint to match existing colour of posts.
5. Weld and fix hinge (one side only) of switch yard gate as per attached drawing (marked Gate B). Carry out complete rust works on gate and gate posts, wash and paint.
6. All welded points either existing or new must be worked upon to make surface adequate for rust guard application and final coat painting.
7. Install 6 meter long concrete (20MPa) hump at Gate A (as per site plan) to divert rain water flow away from substation.
8. Replace 1 x gate post (to be replaced with post of same size and type) at Gate C as per attached drawing.
9. The contractor shall remove only that length or portion of the fence that can easily be reinstated within a days work.
10. No portion of the fence shall be left open after the completion of each day of work.
11. Cartage of fence and material that has been removed from work site to FEA's Kinoya depot and offload with sign-off from Storeman.

1.1.1 ELECTRICITY, WATER, GAS AND OTHER SERVICES

Electricity and water will be provided by FEA on site. Any other services is to be sourced by contractor.

STANDARDS

All civil works shall be carried out in conformity with Fiji Building Code or the British Standard Institution. All electrical works shall be carried out in conformity to the IEC Standards in general. British or Australian standards may be applied where necessary. Any national or international standard may be used if such standards are not less exacting than corresponding standards IEC, BSI or Fiji Building Code. In all instances, a copy of the relevant standard adopted shall be forwarded to the Engineer.

1.1.2 SAFETY AND SITE SUPERVISION

Since the substation is live with 132,000 volts, a safety induction shall be carried out for all contractors personnel. All works within the substation boundary shall be carried out under FEA staff supervision

2. TECHNICAL SPECIFICATIONS

- 1.1 **CHAIN LINK FENCE AND GATE** - Chain link fences shall be constructed of galvanised steel wire, and shall be of such manufacture that when any one segment is cut, remaining segments within the pattern retain their rigidity. The

bottom of the fence shall be fixed down with staples to a continuous concrete sill in accordance with BS 1722, Part 10.

- 1.2 Steel wire for mesh and line wire shall comply with grade A of BS 4102. The galvanized coating on steel wires of mesh and line wires shall comply with requirements of BS 443.
- 1.3 All mesh shall be of galvanised steel wire of 3.5 mm diameter with a length of side not exceeding 50 mm. Line wires shall be of galvanised steel wire of the same gauge to adequately support the mesh rigidly. Line wire shall be provided at the top and bottom of the mesh and at two evenly spaced intermediate levels.
- 1.4 The line wires shall be strained tightly by eyebolt strainers or winders at each straining post and secured to intermediate posts of stirrup wires passed through holes in the posts. The top wire shall be doubled, Mesh and line wires shall comply with BS 4102.
- 1.5 Chain link mesh shall be strained between straining posts by means of stretcher bars and tied to line wires in accordance with Clause 3.5 of BS 1722, Part 10.
- 1.6 Barbed wires shall be strained between straining posts with eyebolts and fixed to intermediate posts with stirrup wires. Droppers shall be fitted at the centre of each Bay of the fence to prevent the wires being bunched together.
- 1.7 All fence fittings shall be galvanised.

3. INSPECTION AND TESTS

- 3.1 The Authority's Engineer representative shall have the right to inspect the works and to confirm conformity to the contract specifications.
- 3.2 Should any inspected works fail to conform to the specifications, the Authority may reject them and the Contractor shall make all alterations necessary to meet the specification requirements.
- 3.3 Nothing in this clause shall in any way release the Contractor from any other obligations under this contract.

4. SITE CONDITIONS

- 4.1 The site is located at Cunningham road. The Contractor shall be deemed to have visited the site of the works to satisfy him/her as to the accuracy of all information supplied to the Tenderers and to the feasibility of construction of the works.
- 4.2 The proposed location is in a Substation equipped with high voltage plants therefore all necessary Safety Gear must be worn by the Contractor's Staff at all times.
- 4.3 The Contractor may only enter the site upon provision of access by an Authorized FEA representative. The Contractor is not to execute any work without direct supervision from the FEA representative. The times for work are 8am to 4.30pm Monday to Thursday, and 8am to 4pm on Fridays.

5. SETTING OUT

- 5.1 All tenderers shall inspect and examine the site, its surroundings, and shall satisfy himself before submitting his tender, as to the form and nature of the site, the nature and type of existing work, the quantities and natures of the work and materials necessary for the completion of the Works and the means of access to the site, the accommodation he may require, the availability, conditions and rates of pay of labour and in general shall himself

obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect his tender.

- 5.2 The Contractor shall be responsible for the correct detailed setting out of the Works as indicated in the Tender Documents and shall, at his own cost, amend any errors during the progress of the Works arising from inaccurate setting out.
- 5.3 If a tenderer has any doubt as to the meaning of any portion of the Works, he shall when submitting his tender, include a statement of the interpretation upon which he relies and upon which his tender has been prepared and submitted.

6. MATERIALS, WORKMANSHIP AND PLANT

- 6.1 Materials in all trades shall be new and the best of their kinds specified and necessary complying with relevant standards (Fiji, Australia, New Zealand or USA) where applicable and subject to approval or rejection by the Engineer.
- 6.2 The Contractor shall at all times ensure that adequate protection is provided to finished work and materials to be used in the construction of the work. Where necessary, make good any damage to property.
- 6.3 The Contractor shall provide all workmen, both skilled and unskilled, plant, equipment and materials necessary for the expeditious completion of the work.

7. OCCUPATIONAL HEALTH AND SAFETY

- 7.1 The Contractor shall comply with the Health and Safety at Work Act, 1996 and regulations and Amendments thereto and the Fiji Electricity Authority HSE Policy.

8. GENERAL FOREMAN

- 8.1 The Contractor shall appoint a competent General Foreman who shall be constantly on the works during the progress of the same, to whom instructions may be given by the Engineer.
- 8.2 The Engineer may require the Contractor to dismiss the General Foreman or other person shall he be incompetent or shall misconduct himself or for any other good reason to be assigned by the Engineer to the Contractor.

9. MAINTENANCE AND DEFECTS

- 9.1 Period of maintenance shall be 1 year (12) calendar months after practical completion of works. All defects during this period shall be made good by the Contractor, at his cost.

10. CLEANING UP

- 10.1 On completion, remove all surplus materials from site and leave site in a clean and tidy condition.
- 10.2 The Contractor shall remove and cart away all rubbish and trade debris as it accumulates during the progress of the works.
- 10.3 All existing chain link fence and material that will be removed from the site is to be carted by the contractor and offloaded to FEA Kinoya depot.

11. PROGRAM

11.1 Within seven (7) days of acceptance of his tender, the Contractor shall submit to the Authority, for approval a Program showing the order in which he proposes to carry out the works.

12. INSURANCE

The Contractor is to effect the following insurance policies:

12.1 Contractor's All Risk Insurance - \$500,000

12.2 Public Liability Insurance - \$500,000

12.3 Workmen's Compensation - \$250,000

13. PRICE AND PAYMENT

13.1 The Contract Price is to be on a Lump Sum basis. The tenderer is to submit a breakdown of the various components of the project.

13.2 The Contractor's request for payment shall be made to the Authority in writing, accompanied by invoice(s) describing, as appropriate, and services performed, together with other documents as may be required by the Authority. Payments shall be made promptly by the Authority, within thirty days of submission of an invoice/claim by the Contractor.

13.3 The Contractor is eligible for payment after completion of the Contract. No partial payments will be made.

14. VALIDITY

14.1 The Tendered Price is to remain valid for a period of 120 days after the closing date of the tender.

15. PRICE SCHEDULE

No.		FIXED LUMP SUM PRICE	TOTAL PRICE (VIP)
1	FEA Cunningham Substation fence Maintenance		

16. DRAWINGS AND ATTACHMENTS

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 at **4:00 p.m. (16.00hrs Fiji time)** on **Wednesday 22nd November, 2017**

Each tender shall be sealed in an envelope with:

The envelope bearing only the following marking:

MR 319/2017

FEA Cunningham Substation Fencing Maintenance

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 on the envelope will be returned to the Tenderers unopened. (Bids via e-mail or fax will not be considered).

The bidders must ensure that their bid is inclusive of all Taxes payable under Fiji Income Tax Act and must have the most current Tax Compliance Certificate.

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

Bidders are requested to submit a:

- **Valid Tax Compliance Certificate**
- **FNPF Compliance Certificate**