

# **Tender for Civil Works and Building Refurbishment at EFL's 132kV Cunningham Substation**



**MR264/2018**

## **1.0 The Company – EFL**

Energy Fiji Limited is a government owned company solely responsible for supplying of electricity throughout the Fiji Islands through Hydro, Diesel and wind mill generators which are located in different parts of Fiji.

The operations of the company are organized into three geographically defined divisions which correspond to the national administrative divisions as:

- Central Eastern Division based in the capital Suva
  - Suva, Lami, Navua, Tailevu, Levuka and part of the Coral Coast
- Western/Northern Division based in Lautoka
  - Lautoka, Tavua, Ba, Sigatoka, Vatukoula, Northern Division (Labasa, Savusavu)

## **2.0 Purpose and description of the Tender**

Energy Fiji Limited is requesting for bids from reputable Construction Companies and Civil Companies to carry out civil works and building refurbishment for EFL's 132kV Switchyard & Building.

### **3.0 Scope of Works**

This work shall be carried out at EFL's Cunningham Substation which is outlined in detail in next section of this specifications.

#### **Civil Works and Building Refurbishment at Cunningham 132kV Substation**

The EFL Appointed Contractor must ensure that the Building Maintenance work and any further additional works required here within – must be carried out in compliance to the National Building Code of Fiji, for Cyclone Certification works, for the Cunningham 132Kv Switch Room, and must take under consideration, that there will be no further variation costs involved during commencement of the contract period or the approved contractor must be liable for any variations.

The Appointed Contractor must ensure that any damaged caused to its existing infrastructure and premises should take the responsibility to repair and be liable for damages, and also that its employees are working under OHS regulations ensuring safety at all times.

The Appointed Contractor to closely coordinate with the relevant authorities for the compliance and standards required, and update all the progress activities to the Properties Officer or the assigned officer.

The Appointed Contractor must ensure that only treated A-Graded Timber to be used. All timber material and concrete structure to be painted with oil based paint. All roof sheets and screws shall be compliant to relevant Australian Standard and National Building Code of Fiji.

All measurements shall be confirmed during the site visit. All paint colours shall match existing colours.

## **A. OLD Building Refurbishment - Cunningham 132kV Switch Room**

### **1. Roofing**

- 1.1 Replace 15.00m x 0.90m Trim Deck Roofing on the Fascia Area, replace rusted roofing screws as shown during site visit, replace 3.0m ridge cap, and mountings with new ones - to match existing, ensuring that all gaps are to be properly sealed including gutters with waterproofing sealants to prevent leakages.
- 1.2 Chemically clean the entire roof surface with Moss, Mould killer & Degreaser – to prepare the surface for painting. Apply one coat of APCO Primer Sealer Undercoat and 2 coats APCO weather-proof oil based paint to match existing colours.
- 1.3 Allow to secure downpipe fixtures. Downpipe shall be connected to the existing rainwater harvesting system. All drainage must be cleared. Measurements of roof size and associated fixings shall be confirmed during site visit.
- 1.4 Replace 5.0m x 0.60m damaged eaves and replace with new exterior ply board. Paint to match existing. Wood primer shall be applied at places where wood is exposed after scraping off old paint.

### **2. Windows and Doors**

- 2.1 Supply and install one by quality door lock (lane brand) on the toilet door.
- 2.2 Supply and replace one by quality door lock (lane brand) on the old 33Kv room entrance door.
- 2.3 Install new fly-screens in windows.

### **3. Painting**

- 3.1 Carry out pavement painting using EFL approved colours on the floor area of 132kV switch room, battery room & old 33kV room.
- 3.2 Carry out interior wall and door painting works as per EFL approved colours. Allow for repair works to any damage or defective interior walls and doors. Apply single undercoat and two finishing coat using APCO Weather Block Paint System.
- 3.3 Carry out painting of the outside window grills as per EFL approved colours.

### **4. Plumbing**

- 4.1 Supply and replace 2 x hand basin with complete fittings in the washroom.
- 4.2 Supply and replace 3 x quality brand taps.
- 4.3 Change the complete toilet system with new quality brand cistern, pan and seats.
- 4.4 Allow for replacement of any defective sink bench plumbing.

## 5. General Repair & Refurbishment

- 5.1 Change all existing rotten existing wooden structures of the sink bench with new 20mm exterior ply board in the Mess Room. Construct new doors and shelves. Install new tiled sink bench top.
- 5.2 Remove existing damaged and old rubber tiles from the Mess Room. Supply and install new 300 x 300 mosaic tiles in the Mess room. Readjust door ground clearance.
- 5.3 Supply and install missing tile ceiling to match existing. Clean all the existing ceiling.
- 5.4 Allow for repair/replacement of any damaged windows and frames.
- 5.5 Properly seal holes & other gaps using concrete on the walls.
- 5.6 Replace missing ceiling tiles

## 6. Electrical

- 6.1 Replace all defective tubes with new LED Energy Saver Tubes. Allow for replacement of complete LED lights with fittings for any defective one.

## B. Civil Works

### 7. Access Road Upgrade

- 7.1 To provide side drains around the site as necessary (and create cut off drains where required).
- 7.2 Carry out crowning and trimming of the road along the full length of the access road with appropriate super elevation using a road grader.
- 7.3 Ensure access road from the main road is done properly and the height is 15mm below the block wall.
- 7.4 Make concrete three row drainage on the building side of the road. (50mmwide). The water to be dispersed properly to the back drainage

### 8. Switch yard Driveway & Road Upgrade

#### Option 1

- 8.1 *To spread crushed metal and compact along the length and width of the road.*

#### Option 2

- 8.2 Make and install concrete slabs for the 2 x cable trenches 200mm Thick with all structural reinforcement suitable for 50 Ton.
- 8.3 Clear all drainage
- 8.4 *Grade existing crushed metal Driveway. Ram with roller to ensure for compactness. Reinforce using D12mm @ 200 centres, both ways. The width and length will be the same as per the existing driveway. Ready mix concrete strength shall be 30 MPa. Concrete shall have construction joints at 5.0m intervals.*
- 8.5 Construct new concrete Square-drain from Switch room and connect to the external drainage. Install 3 rows of 6inch concrete blocks along both wall side of the drain to prevent debris entering the yard area. Concrete-drains to use 20MPa concrete ready mix.

8.6 Construct a concrete hump along the gate to prevent animal entry will must be sloped appropriately 1.50m on either side of the gate.

## 9. General Yard Upgrade

9.1 Supply and spread adequate quantity of top soil behind the 132kV building. Allow for proper drainage allocation and re-construct drainage with depth minimum 50mm and 50mm wide (3 row block).

9.2 Spread stone chipping for substation surfacing in the front area which must be clean, hard crushed stone graded screened from 16 - 40 mm. The formation in areas where stone chipping are to be used shall be well compacted to 95% the approval of the Employer's Representative, and treated with an approved total weed killer, used in accordance with the manufacturer's instructions. Approved substation graded weed mats has to be installed in the entire yard before stones chips are installed. Geo mat and geo fabric may also be used in areas where water is present. Stone chipping shall be laid and lightly compacted to a minimum finished thickness of 100 mm.

### i. Site Visit

The bidders are to meet on Wednesday **11/07/2018, 10.00am at Cunningham Substation. Contact details are Shifaan Ali – 999 2401 and Abhinendra Chand- 999 9282.**

#### 4.0 Cost Details

Bidders shall use the table below to list the item with its associated cost.

##### a. 132kV Switch Room Repair & Refurbishment Works.

Work	Descriptions	Total Price, (FJ \$) VIP
1. Roofing  2. Doors and Windows  3. Painting  4. Plumbing  5. General repair & refurbishment  6. Electrical		

##### b. Access Road Upgrade Works

Work	Describe how the work will be done	QTY	Unit Price, (FJ \$) VIP	Total Price, (FJ \$) VIP
Crowning and trimming of the access road adequately to allow water to drain off the road surface using grader.				
To provide sufficient natural earth drainage on the sides of the road wherever required.				

### c. Switchyard Driveway & Road Upgrade

<b>Work</b>	<b>Describe how the work will be done</b>	<b>QTY</b>	<b>Unit Price, (FJ \$) VIP</b>	<b>Total Price, (FJ \$) VIP</b>
To remove existing and spread crushed metal and compact along the length and width of the road (Option 1)				
To construct new concrete driveway. (Option 2)				
Supply and install new concrete slab along the cable trench area. Two locations				
Reconstruction of new concrete square-drain with side concrete blocks.				
Construction a hump along the gate entry				

### d. General Yard Upgrade

<b>Work</b>	<b>Describe how the work will be done</b>	<b>QTY</b>	<b>Unit Price, (FJ \$) VIP</b>	<b>Total Price, (FJ \$) VIP</b>
Supply and spread top soil on rear yard and provide drainage				
Supply and spread 40mm screened stone chipping on the front yard area with substation weed mat				
Remove all aged old scrapper transformers and associated structures (steel and porcelain)				
Remove all oil pots and oil using authorized disposer by Government of Fiji				
Provide final layout of drawings				
Relocate and construct new sewage pit equivalent to 2,000m <sup>3</sup>				

**Specification:**

12.3 General Requirement – Material supplied and installation

- a). Warranty – not less than 12 months
- b). Services provided to be of high standard.
- c). Work done as per the details provided.
- d). After service and support.

**5.0 Eligibility / Selection Criteria of the Bidder**

The bidder shall be a contractor who is qualified, well versed and trained for civil works and in particular have prior experience in similar works.

The vendors shall submit the names/contacts, references of local companies, utilities or projects where they have previously undertaken the work which are similar in nature.

**A detailed information regarding how the bidder is going to carry out the construction upgrade works shall be clearly outlined.**

**6.0 Bidder Details**

The Bidder shall provide all the necessary information specified in the tables below:

General
<b>The registered name of the Bidder:</b>
<b>Business address for correspondence:</b> <i>(Location, Street , Locality City, Pin Code, Country, Telephone, Facsimile, Email Other)</i>
<b>Contact name of the Authorised Person:</b>
<b>Contact's position:</b> <b>Contact addresses if different from above</b> <i>Locality City, Pin Code</i> <i>Location, Street, Country, Telephone, Facsimile, Email, Web address</i>
<b>Business structure:</b>
<b>Include the organisations years of experience in this field and reputation in the market place.</b>
Company Profile(s)
Reference Sites.[Details of at least <b>two</b> similar Projects in the last 5 years (including contact details) which will demonstrate the Bidder ability to carry out the functions for this project in a timely and professional manner]



## **7.0 Other value added services**

The bidder is open to include any other information that may add value to their product or after sales services.

## **8.0 Technical Support**

1. Bidder should provide details of what technical support is available to EFL to make better use of supplier's product.
2. Include relevant manuals/drawings and instructions for proper care and work for the access road.

## **9.0 Product Information**

Bidders must include the following document together with their Bid:

- Specification/drawings and diagrams where applicable.
- Relevant Test Certificates where applicable.
- Standard Compliance Certificate where applicable.

## **10.0 Defects warranty period**

All goods shall be supplied with a Warranty Period of not less than 12 months from the date of the receipt of the Goods by EFL. During the Warranty Period, defective parts shall be replaced by the supplier.

## **11.0 Price Validity**

The price shall remain valid for acceptance within 3 months from the date of opening of bids and bidders shall not withdraw or amend their proposal prior to the expiration of the validity period. In exceptional circumstances prior to expiry of the original validity period, the Authority may request the supplier for an extension in the period of validity. The request and the response thereto shall be in writing. A supplier agreeing to the request will not be permitted to amend his tender price.

## **12.0 Payment Terms**

EFL shall pay the invoice amount in foreign currency to the overseas bank account nominated by the successful supplier within 30 days of receipt of the invoice subject to the materials being received in good order and condition for overseas bidders. The local bidders will be paid in Fijian dollars.

## **13.0 Tender Evaluation**

After the bids are received, it will go through a normal tender evaluation process as per EFL's Tender Policy and Procedures. The successful and unsuccessful bidders will be advised of the outcome after completion of the Tender evaluation process.

The successful bidder will enter into a contract with EFL as mutually agreed. All terms & condition, and pricing details will be stipulated in contract documents.

The evaluation of the tender submissions will be weighted as such:

No.	Components	Weighting (%)
1	Financial Components	40 %
2	Technical capability	35 %
3	Delivery timeframe	15 %
4	Proven background on Substation equipment & Accessories	10 %

## **14.0 Submission of Tenders**

### **Local Bidders**

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

Each tender shall be sealed in an envelope with:

a). The envelope bearing only the following marking:

➤ **Tender – MR 264/2018 – Tender for Civil Works and Building Refurbishment at EFL’s 132kV Substation.**

**The Secretary, Tender Committee  
Energy Fiji Limited  
Supply Chain Office  
Private Mail Bag  
Suva**

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

Tenders received after **4:00pm** on the closing date of **Wednesday 18<sup>th</sup> July, 2018** will not be considered.

Lowest bid will not necessarily be accepted as successful bid.

**All late tenders, unmarked Envelopes and envelopes without bidder’s name and address on the reverse will be returned to the Tenderers.**

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

## **TENDER FORM**

The following information has to be filled by the bidder and submitted with Tender

### Documents:

1. Company Name: \_\_\_\_\_

2. Director/Owner(s): \_\_\_\_\_

3. Postal Address: \_\_\_\_\_

4. Email Address: \_\_\_\_\_

5. Phone Number: \_\_\_\_\_

6. Fax Number: \_\_\_\_\_

7. Office Location: \_\_\_\_\_

8. Facsimile & Skype: \_\_\_\_\_

9. Web Address: \_\_\_\_\_

10. After Sales Contact details: \_\_\_\_\_

\_\_\_\_\_

11. TIN Number (local bidders only): \_\_\_\_\_

12. Company Registration Number(local bidders only): \_\_\_\_\_

13. FNPF Employer Registration Number (local bidders only): \_\_\_\_\_

14. Number of Branches & locations: \_\_\_\_\_

15. Years of Experience: \_\_\_\_\_

16. Area of business Specialization:  Manufacturer & Supplier

*[Please tick where applicable]*

Retailer

Licensed Agent

Others, please specify \_\_\_\_\_

\_\_\_\_\_

I hereby, declare that all the above information is correct.

Sign: \_\_\_\_\_

Position: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Submission of Tenders

**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 EFL Head Office, 2 Marlow Street, Suva, Fiji.

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

**This tender closes at 4:00pm, on Wednesday 18th July, 2018.**

Each tender shall be sealed in an envelope with the envelope bearing only the following marking:

**Tender- MR 264/2018 – Civil Works & Building Refurbishment at EFL’s 13kV Cunningham Substation.**

**The Secretary, Tender Committee  
Energy Fiji Limited  
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.

**Bidders are requested to submit a:**

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