



**Fiji Electricity Authority**  
**Transmission Unit**  
2 Marlow Street, Suva

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# **TENDER NO: MR 131/2017**

**CIVIL AND EARTHMOVING WORKS ALONG NADARIVATU TRANSMISSION LINE**

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## TENDER DOCUMENT AND SPECIFICATIONS

The Fiji Electricity Authority invites sealed tenders from reputable companies with the relevant experience, for the execution of Civil and Earthmoving Works in the Nadarivatu Area to facilitate the construction of new 132kV Transmission Line Temporary Structures in the Vicinity of existing Tower 14.

**Compulsory Site Visit** shall be organized by the FEA on **Wednesday 14<sup>th</sup> June, 2017**. Interested Bidders are to report **at 08:30hrs at FEA Navutu Depot - Lautoka**. Bidders shall bring their own 4x4 vehicles for transportation to the site. Trip to the site is about 2 – 3 hours from Navutu. Site Visits shall be conducted by the Transmission Engineer West (9929532) and **attendance at site visit shall be compulsory and recorded by FEA and signed by the interested bidders. Failure to attend site visit may lead to disqualification of Bid.**

## SCOPE OF WORKS

The scope of works outlined in this tender document, are to be executed to facilitate the temporary re-routing of the 132kV Transmission Line. The temporary re-routing of the line is being carried out to provision for the maintenance and replacement of existing Tower 14 structure.

**Note:** The figure below serves to provide further information on the proposed new line re-routing, for the purpose of clarity in bidding only.



**The successful bidder / contractor shall carry out earthworks and construct the following:**

1. Cut a bench on existing hill-side, approximately 7m wide, commencing from existing FEA road to the proposed new Temporary Tower Sites.
  - a. The Dimensions of the excavated bench from Entry Point to Temp T14-B will be approximately 140m long x 7m wide x height as required.
  - b. The Dimensions of the excavated bench from Temp T14-B to Temp T14A will be approximately 150m long x 7m wide x height as required
  - c. Construct “V” drainage, on one side of excavated bench to divert water away from new temporary structures and the excavated bench. The “V” Drainage shall be a minimum 1.2m wide and sloped 45° to 60° on both sides. No concreting or rock-lining of the drainage is required.
  - d. Install four (4) pieces of 600mm diameter x 2.44m long culverts to provision for vehicular crossing over existing drain. The installation of culvert crossing shall include the installation of culvert head-walls to allow for smooth ingress and egress of drainage water flow without causing erosion of soil around installed culverts or soil erosion in the walls of the existing drainage in the vicinity of installed culverts.
  - e. The 7m width of the bench shall not comprise of excavated backfilled material.
  
2. Carry out earthworks to construct an approximately 30m x 30m levelled platform around both proposed new temporary tower sites (Temp T14A and Temp T14B) to provision for equipment and machinery to be parked for the construction of new structures and for carrying out conductor stringing works.



**Notes to Bidders for Pricing:**



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1. The FEA shall provide the contractor with pegs indicating the proposed locations of the new temporary structures, which shall be indicated during the site visit and the contractor shall choose the optimum routes to minimize the extent of earthworks.
2. It is not anticipated that a rock breaker will be required for the execution of workscope. However based on field conditions if a rock breaker is required then a separate purchase order for workscope variation shall be facilitated by the FEA.
3. It is anticipated that the following heavy machinery will be required for the execution of works:
  - a. Two (2) x 25 Ton (or bigger) excavators with provision for Rock Breaker Attachment (if required)
  - b. One (1) x D6 Bull-Dozer (or similar ~ 20 Ton bulldozer)
  - c. Three (3) x 10 Wheeler Dump Trucks with 10m<sup>3</sup> or more payload capacity.
  - d. It is anticipated that all works shall be completed in 5 working days x 10hr days (weather permitting). Bidders are to submit prices and anticipated hours based on their working experience and the efficiencies of their heavy machinery.

**PRICES AND QUANTITY**

Bidders shall submit prices in the following table. Prices shall be quoted in Fijian Dollar Currency and be exclusive of Value Added Tax i.e. **FJ\$ (VEP)**.

S.N.	Machinery	Anticipated Working Hours	Hourly Working Rate FJ\$ per Hour (VEP)	Mobilization and Demobilization To/From Site FJ\$ (VEP)	Subtotal FJ\$ (VEP)
i.	Excavator 25Ton				
ii.	Excavator 25Ton				
iii.	D6 Bull-Dozer				
iv.	Dump Truck (10m <sup>3</sup> )				
v.	Dump Truck (10m <sup>3</sup> )				
vi.	Dump Truck (10m <sup>3</sup> )				
vii.	{Any Additional Machinery anticipated by Bidder}				
viii.	{Any Additional Machinery anticipated by Bidder}				
ix.	{Any Additional Machinery anticipated by Bidder}				
<b>FJ\$ (VEP) TOTAL:</b>					
a.	Rock Breaker #1 (OPTIONAL)				Not to be Included in Total Above



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<b>b.</b>	<b>Rock Breaker #2 (OPTIONAL)</b>				<b>Not to be Included in Total Above</b>
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Prices shall be valid for at least 90 calendar days, from the closing date of this tender.

**Payment Terms:** FEA’s standard 30 days payment policy upon delivery of goods and services applies. Bidder’s to explicitly note all exceptions and/or reservations to the same if any. Submission of bid documents.

**PROJECT TIMELINE:** The following are indicative timelines for this tender:

<b>Date</b>	<b>Day</b>	<b>Activity</b>
30/06/2017	Friday	Award Letter Sent to Supplier
30/06/2017	Friday	Acceptance Letter Received from Supplier
30/06/2017	Friday	Contract Signing and Issuance of Purchase Order
1/07/2017	Saturday	Mobilization of Contractor to Site for Civil Works
2/07/2017	Sunday	
3/07/2017	Monday	Civil Works
4/07/2017	Tuesday	Civil Works
5/07/2017	Wednesday	Civil Works
6/07/2017	Thursday	Civil Works
7/07/2017	Friday	Civil Works Completed



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**INSTRUCTIONS FOR BID SUBMISSION**

**Two (2) hard copies** of the tender bids in sealed envelopes 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 4:00pm, on Wednesday 21<sup>st</sup> of June, 2017**

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

**Tender – MR 131/2017: CIVIL AND EARTHMOVING WORKS ALONG NADARIVATU TRANSMISSION LINE**

**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.**

The lowest bid will not necessarily be accepted as the successful bid.

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