



FIJI ELECTRICITY AUTHORITY

BIDDING DOCUMENT

MR264/2017

**CONSTRUCTION OF 300kVA PADMOUNT
TRANSFORMER PLINTH TO REPLACE
FAULTY VITA FOAM PADMOUNT AT
VIRIA ROAD, VATUWAQA**

Section 1. Instructions to Bidders

- 1. Scope of Bid** The Fiji Electricity Authority (hereinafter referred to as "the Employer"), wishes to receive bids for Construction of 300kVA transformer plinth as specified in these bidding documents (hereinafter referred to as "pad mount transformer plinth construction").
- 2. Eligible Bidders** This Invitation to Bid is open to bidders who have sound financial background and have previous experience.
- Bidders shall provide such evidence of their continued eligibility satisfactory to the Employer as the Employer shall reasonably request.
- Bidders shall not be under a declaration of ineligibility for corrupt or fraudulent.
- 3. Eligible Materials, Equipment and Services** The construction of pad mount transformer plinth to be constructed under the Contract shall have their origin. The bidders may be required to provide evidence of the past experience in constructing pad mount transformer plinth.
- 4. Qualification of the Bidder** To be qualified for award of Contract, bidders shall submit proposals regarding work methods, scheduling and resourcing which shall be provided in sufficient detail to confirm the bidder's capability to fulfil the contract.
- 5. Cost of Bidding** The bidder shall bear all costs associated with the preparation and submission of its bid and the Employer will in no case be responsible or liable for those costs.
- 6. Sealing and Marking of Bids** The bidder shall seal the original copy of the technical proposal, the original copy of the price proposal and each copy of the technical proposal and each copy of the price proposal in separate envelopes clearly marking each one as: "ORIGINAL-PROPOSAL", and "COPY PROPOSAL", etc. as appropriate.
- The bidder shall seal the original bids and each copy of the bids in an inner and an outer envelope, duly marking the envelopes as "ORIGINAL" and "COPY".
- The inner and outer envelopes shall be addressed to the Employer at the following address:

Tuvitu Delairewa
General Manager Corporate Services 2 Marlow
Street, Suva, FIJI. Phone: 679 3224 185
Facsimile: 679 331 1882 Email:
TuvituD@fea.com.fj

And bear the following identification:

- Bid for: Construction of 300kVA Pad mount Transformer to Replace Vita Foam Pad mount at Viria Road,.
- Bid Tender Number: MR 264/2017

- DO NOT OPEN BEFORE (Wednesday 18/10/17)

7. Deadline for Submission of Bids Bids must be received by the Employer at the address specified above no later than 1600 hours (Fiji Time) (Wednesday 18/10/2017).

The Employer may, at its discretion, extend the deadline for submission of bids by issuing an addendum, in which case all rights and obligations of the Employer and the bidders previously subject to the original deadline will thereafter be subject to the deadlines extended.

8. Late Bids Any bid received by the Employer after the deadline for submission of bids prescribed will be rejected and returned unopened to the bidder.

9. Modification and Withdrawal of Bids The bidder may modify or withdraw its bid after bid submission, provided that written notice of the modification or withdrawal is received by the Employer prior to the deadline for submission of bids.

The bidder's modification or withdrawal notice shall be prepared, sealed, marked and delivered, with the outer and inner envelopes additionally marked "MODIFICATION" or "WITHDRAWAL", as appropriate. A withdrawal notice may also be sent by fax but must be followed by a signed confirmation copy.

No bid may be modified by the bidder after the deadline for submission of bids.

10. Employer's Right to Accept any Bid and to Reject any or all Bids The Employer reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for the Employer's action.

11. Notification of Award Prior to expiration of the period of bid validity prescribed by the Employer, the Employer will notify the successful bidder by fax/email, confirmed by registered letter, that its bid has been accepted. This letter (hereinafter and in the Conditions of Contract called the "Letter of Acceptance") shall name the sum which the Employer will pay the Contractor in consideration of the execution, completion and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Conditions of Contract called "the Contract Price").

The notification of award will constitute the formation of the Contract.

Upon the furnishing by the successful bidder of a performance security, the Employer will promptly notify the other bidders that their bids have been unsuccessful.

**12. Signing of
Contract
Agreement**

At the same time that he notifies the successful bidder that its bid has been accepted, the Employer will send the bidder the Form of Contract Agreement provided in the bidding documents, incorporating all agreements between the parties.

Within 7 days of receipt of the Form of Agreement, the successful bidder shall sign the Form and return it to the Employer.

**13. Corrupt or
Fraudulent
Practices**

The Employer requires that the Contractor observe the highest standard of ethics during the procurement and execution of such contracts. In Pursuance of this policy, the Employer:

- (a) defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) "corrupt practice" means behavior on the part of officials in the public or private sectors by which they improperly and unlawfully enrich themselves and/or those close to them, or induce others to do so, by misusing the position in which they are placed, and it includes the offering, giving, receiving or soliciting of anything of value to influence the action of any such official in the procurement process or in contract execution; and
 - (ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Employer, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Employer of the benefits of free and open competition;
- (b) The FEA will reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.

A Mandatory site visit to be held on Monday 9th of October, 2017, commencing at 10am at FEA Kinoya Depot.

The deadline for submission of Tenders shall be 1600hrs on Wednesday **18th October 2017, Fiji Standard Time**

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Technical Specifications Construction of 300kVA Pad Mount Transformer Plinth

1.0 General Description

The successful bidder is to construct 300kVA transformer pad mount plinth for Fiji Electricity Authority on as per need basis, whilst maintaining the quantity specified in the table below. In addition, the bidder shall carry out all construction works in order to construct the concrete plinth. The bidders proposal shall address all functional and performance requirements within the specification and shall include sufficient information and supporting documentation in order to determine compliance with this specification without further necessary inquiries. Moreover, the bidder is required to use own resources for the construction and provide valid engineers certificate after completion of work.

2.0 System Specifications

The bidder shall follow the below specification in their design stage.

2.1 Pad mount Dimension

Size	Overall Length	Overall Width	Overall Height	Total Mass
300kVA	2530mm	1070mm	1320mm	2000kg

The pad mount plinth shall be constructed to withstand weight of 2000kg. The dimension of the transformer plinth are as follows:

Size	Overall Length	Overall Width	Overall Height	Total Withstand Mass
300kVA	3030mm	1600mm	450mm	2000kg

2.2 Installation Details

- a) The cable trench excavation, cable installation and trench backfill are covered by other specification.
- b) Normal trench backfilling shall not be used in the area to be covered by the reinforced concrete plinth.
- c) An area extending 300mm outside the edges of the plinth shall be excavated to the level as follows:
 - I. In Stiff Clay, sandstone or fully compacted to dig around 200mm below finished ground level.
 - II. In Firm Clay to dig around 350mm below finished ground level.

- III. In Soft Clay or Soil to dig around 450mm below finished ground level.
- d) This Area shall be backfilled with Compacted Granular hard fill then covered with a 50mm level layer of sand.
- e) Earthing conductors shall be installed in the cable trenches before the base is installed.

The Recommended Foundation Plan for Concrete Bases as Follows:

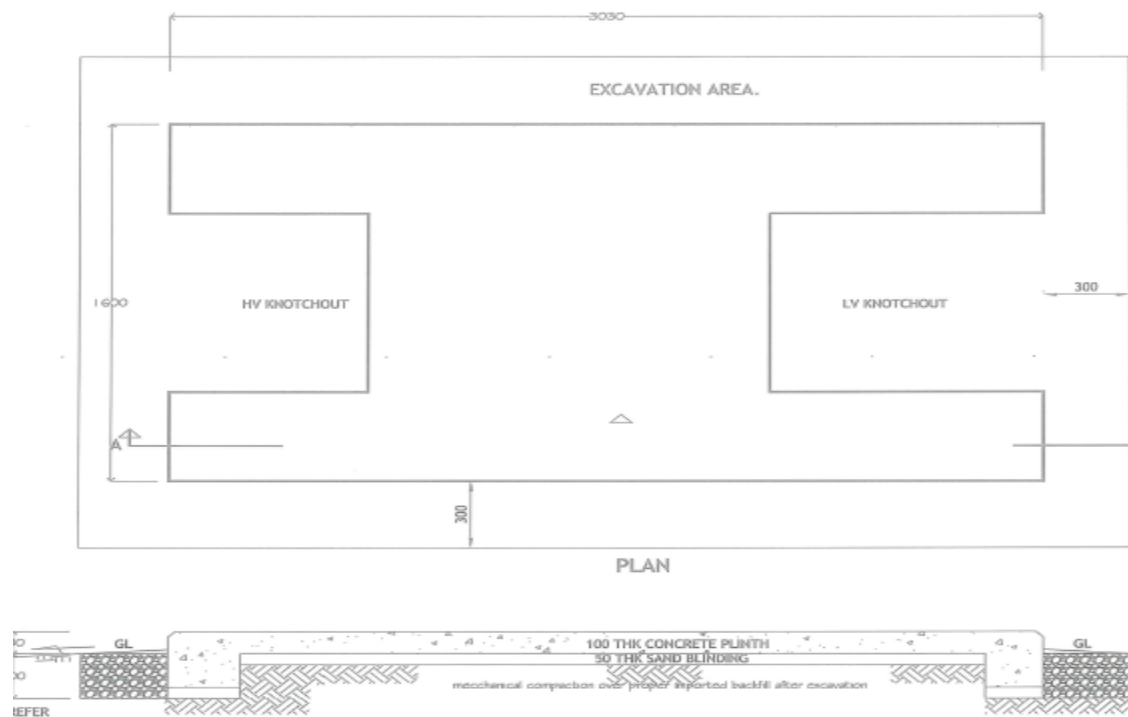


Figure 1 - shows the foundation plan for transformer plinth

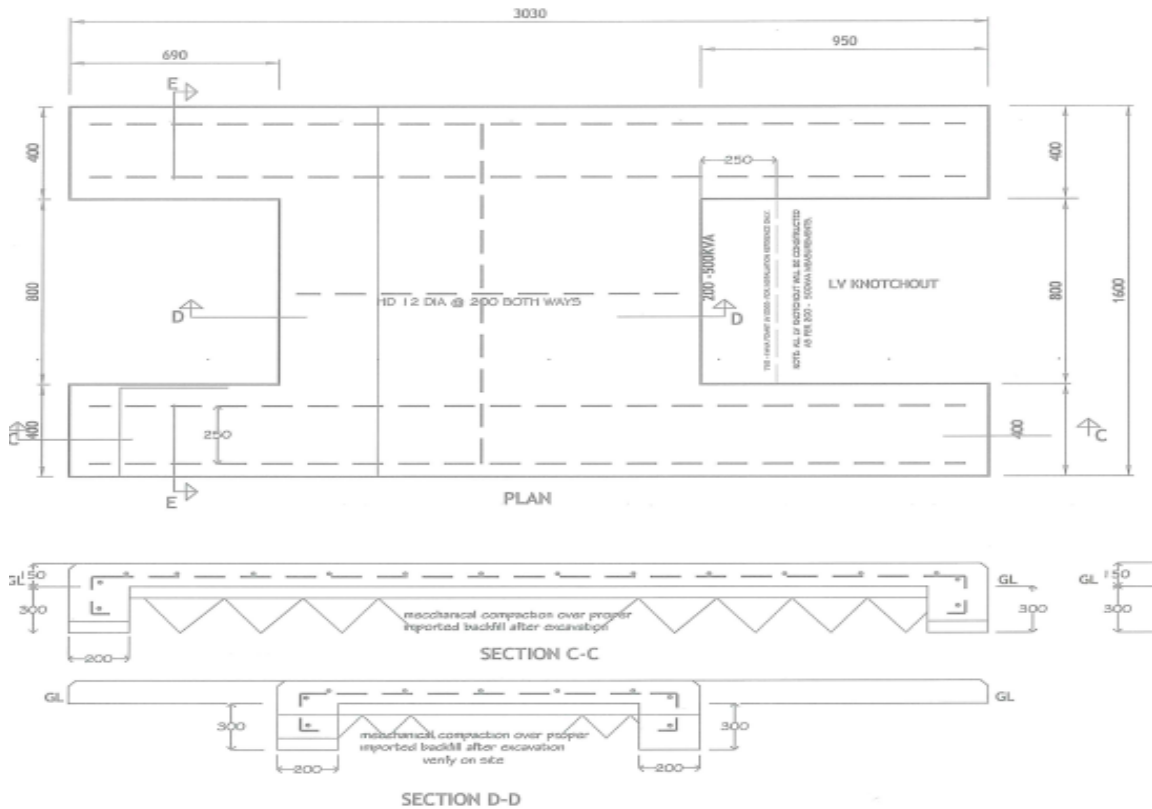


Figure 2- shows the foundation plan and elevation for transformer plinth

Note: The LV Knotchout shall be 950mm in length for the installation of 300kVA Pad mount transformer.

2.3 Fabrication

- The concrete shall be of high grade 30MPa in accordance with NZS 3104 and shall have a maximum particle size of 20mm.
- Reinforcing shall be high grade 430 deformed steel bar in accordance with NZS 3402.
- The concrete insert shall be 316 grade stainless steel.

3.0 Relevant Standards

While construction, the Bidder should comply with NZS3104, NZS 3402 and NZS 3114 standards.

4.0 Certification

The design and certification of the pad foundation shall be carried out by an engineer or engineering firm, who/which is a corporate member of Fiji Institute of Engineers and recognized by the Insurance Council of Fiji, ensuring that necessary standards and requirements of the Fiji National Building Code are met.

5.0 Technical Specification Criteria

Note to bidders: Please submit a copy the table below with your products details (in the BIDDERS PRODUCT DETAILS column) in comparison to what is required by the employer.

No.	Requirements	FEA Requirements	Bidder to Submit
1	Tax Compliance Certificate	Valid	
2	FNPF Compliance Certificate	Valid	
3	Past Experience in construction of Pad mount Plinth	Bidder to Specify	
4	Valid Engineers Certificate	Bidder to Specify	
5	Concrete Ready Mix	30MPa	
6	Standards	NZS3104,NZS3402,NZS3114	
7	Materials	Bidder to use own resources	
8	Reinforcing Grade	430 deformed steel bar	
9	Maximum Particle Size	20mm	
10	Total Withstand load	2000kg	