



FIJI ELECTRICITY AUTHORITY

BIDDING DOCUMENT

Monasavu Half Life Refurbishment

**132kV Disconnecter Foundation Pads for Wailoa,
Cunningham and Vuda Substations**

TENDER NO: MR 48/2017

INVITATION FOR BIDS

Date: 11th March, 2017
Tender No: MR 48/2017

The Fiji Electricity Authority ("The Employer") invites sealed bids from reputable and suitable Construction companies carry out design and construction of foundation pads for 132kV disconnectors at our Wailoa, Cunningham Road and Vuda Substations.

All bids for the contract shall be submitted on the appropriate forms provided and shall include the completed price schedule, technical schedule and schedules of experience etc. The bid shall be on the basis of a lump sum contract based on firm prices.

Bidders may obtain further information from, and inspect and acquire the bidding documents, at

132kV Disconnecter Foundation Pads
Tuvitu Delairewa
General Manager Corporate Services
2 Marlow Street, Suva, FIJI.
Phone: 679 3224 185
Email: TDelairewa@fea.com.fj

The deadline for submission of bids shall be 1600hrs (local time) on Wednesday, 22nd March, 2016.

During evaluation of bids the Authority may invite a bidder or bidders for discussions, presentations and any necessary clarification before awarding the contract price proposal.

Mandatory site visit is planned for as follows:

1. Vuda Substation - Monday 13th March, 2017 at 10am
2. Cunningham Road Substation – Tuesday 14th March at 10am
3. Wailoa Substation – Wednesday 15th March at 11.30am

Section 1 - Instructions to Bidders

A. General		
1. Scope of Bid	1.1	The Fiji Electricity Authority (hereinafter referred to as "the Employer"), wishes to receive bids for Design and Construction of 132kV Disconnecter Foundation pads , as defined in these bidding documents (hereinafter referred to as "the Works").
2. Eligible Bidders	2.1	This invitation is open to all Bidders who have sound Financial Background, and have previous experience in handling such projects.
3. Eligible Materials, Equipment and Services	3.1	The materials, equipment, and services to be supplied under the Contract shall be from reputable companies as specified by FEA. Upon request, bidders may be required to provide evidence of the origin of materials and services .
4. Qualification of the Bidder	4.1	To be qualified for award of Contract, bidders shall: <ul style="list-style-type: none"> (a) submit a written power of attorney authorizing the signatory of the bid to commit the bidder; and
5. One Bid per Bidder	5.1	Each bidder shall submit only one bid either by itself, or as a partner in a joint venture. A bidder who submits or participates in more than one bid will cause all those bids to be rejected.
6. Cost of Bidding	6.1	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.
8. Clarification of Bidding Documents	8.1	A prospective bidder requiring any clarification of the bidding documents may notify the Employer in writing by fax (hereinafter the term "fax" is deemed to include electronic transmission such as facsimile, cable and telex), or email at the Employer's address indicated in the Invitation for Bids. The Employer will respond to any request for clarification which it receives earlier than 10 days prior to the deadline for submission of bids. Copies of the Employer's response, including a description of the inquiry, will be forwarded to all purchasers of the bidding documents.
9. Amendment of Bidding Documents	9.1	At any time prior to the deadline for submission of bids, the Employer may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by issuing addenda.
	9.2	Any addendum thus issued shall be part of the bidding documents pursuant to Sub-Clause 9.1, and shall be communicated in writing or by fax to all purchasers of the bidding documents. Prospective

- bidders shall acknowledge receipt of each addendum by email and fax to the Employer.
- 10. Language of Bid** 10.1 The bid, and all correspondence and documents related to the bid, exchanged between the bidder and the Employer shall be written in the English language.
- 11. Bid Form and Price Schedules** 11.1 The Bidder shall complete the Bid Form and the appropriate Price Schedules furnished in the bidding documents in the manner and detail indicated therein, following the requirements of Clauses 12, 13, 15 and 16.
- 12. Bid Prices** 12.1 Bidders shall give a breakdown of the prices in the manner and detail called for in the Schedules of Prices.
- 13. Bid Currencies** 13.1 The prices shall be quoted in the Fijian currency VIP
- 14. Bid Validity** 14.1 Bids shall remain valid for a period of **60 days** from the date of Deadline for Submission of Bids
- 15. Format and Signing of Bid** 15.1 The bidder shall prepare one original and two (2) copies of the technical proposal and the financial proposal, clearly marking each one as: "ORIGINAL PROPOSAL", "COPY NO. 1 – PROPOSAL", etc. as appropriate. In the event of discrepancy between the original and any copy, the original shall prevail.
- 15.2 The inner and outer envelopes shall
- (b) 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
- (c) bear the following identification:
- 132kV Disconnecter Foundation Pads for Wailoa, Cunningham and Vuda Substations
- Bid Tender Number: MR 48/2017
DO NOT OPEN BEFORE 1600 hrs 22nd March, 2017
- 15.3 If the outer envelope is not sealed and marked as above, the Employer will assume no responsibility for the misplacement or premature opening of the bid.
- 16. Deadline for** 16.1 Bids must be received by the Employer at the address specified

**Submission of
Bids**

above no later than **1600 hours (local time) Wednesday, 22nd March, 2017.**

17. Late Bids

17.1

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

17.2

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

Section 2

Employer's Requirements – Part I

Scope of Works

PART 1 - SCOPE OF WORKS

1. GENERAL DESCRIPTION

The scope of works for this contract for **132kV Disconnecter Foundation Pads – Civil Works** is to carry out civil works for new foundation Pad works for 132kV Disconnectors at Wailoa, Cunningham Rd and Vuda Substations.

These Substations are existing operational substation site. The main item for civil and electrical works under the scope includes:

1. Architectural design
2. Structural design of the foundation pads suitable to take loads of 20Tonne steel structures at a wind speed of 70m/s
3. The existing 132kV Structures shall all be energized so extra care needs to be taken.
4. Remove soil and crushed metal from the existing 132kV Disconnecter pads
5. Dig for new foundations 6.3m (length) X 3.5m (wide) X 0.9m deep
6. Lay new weed mats
7. Carry out laying of structural steel minimum 20mm HD Steel
8. Lay Electrical conduit for the earthing 50mm from each structure
9. Lay 150mm Electrical conduit for the control panels (1 for Disconnecter and another for the earth panel)
10. Place and align all 24 bolts as per Plan – 30mm² 8.8 Grade 80cm per bolts, **bidder to provide the bolts.**
11. Concrete 6 stand foundation pads using ready mix 30MPA, three sample test per pad as per drawings.
12. CAD weld 200mm² (50X4mm) earth flat strip and shape to the Disconnecter
13. Once the old Disconnectors shall be removed and new 132kV disconnectors installed the top layer padding to be done. This depends on the outage. Expected 8 units replacement per year. There shall be 10mm fall from level point.
14. Complete all finishing and glazing of the 6 pads for each Disconnecter
15. Removal all wood
16. Place crushed metal 40mm screened. 10m³ per Disconnecter
17. Provide earth mat and connect earth to Grid
18. Water blast and clean concrete base.
19. Bidder to provide Engineering firm for Structural design
20. Bidder to provide for the Engineering certificate and Progress inspection, Steel inspection report for each Pad signed by the Engineers

Section 3

Form of Proposals and Appendices

1 NOTES ON SCHEDULES

The Schedules are intended to provide the Employer with essential supplementary information in an organized format. Examples of more commonly used Schedules are given herein. Others may be devised and added in accordance with the requirements of the Instructions to Bidders.

All the Schedules are essential for bid evaluation and some in contract execution; they should all be incorporated in the Contract, and appropriate changes introduced with the approval of the Employer or its representative.

2 SCHEDULE OF PRICES & CONDITIONS OF PAYMENT

2.1 CONTRACT PRICE

The Contract Price is comprehensive in that, in consideration of the Contractor meeting all obligations, conditions and liabilities under the Contract, including the Contractor's allowance for the cost of supply of all labour, materials, plant, supervision required to complete the Contract Works, overheads and profit, subject only such adjustment as is provided for the Contract.

2.2 PAYMENTS TERMS

1. All payments shall be due and payable by the Employer in accordance with the payments terms detailed below.
2. The payments shall be made on completion of milestones as identified and agreed by both the Employer's Representative and the Contractor.
3. The payments will be made based on the following schedule:

	<i>Particulars</i>	<i>Milestone</i>	<i>Payment (% of contract price)</i>
1	Advance payment		NIL
2	Progressive Payment	Completion of 1 foundation stands per Disconnecter	95%
3	Retention	6 months after issuing of performance certificate	5%

SUMMARY OF PRICES – BIDDER TO SUBMIT AS PART OF THE TENDER PROPOSAL

No.	Substation	No. of Pads	Price per unit VIP	LUMP SUM VIP
1	Engineering Services, Progress Inspection and Approvals and Structural Design			
2	Wailoa Switchyard and Transformer Yard	20		
3	Cunningham Road Substation	4		
4	Vuda Substation	6		
5	Retention	5%		
			TOTAL (VIP)	

TOTAL CONTRACT PRICE:

Main Offer: (in words) – price shall be VIP

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Signature of Tenderer

Witness

1 OTHER DOCUMENTS & DRAWINGS TO BE SUBMITTED WITH BID

As a minimum, the following documents & drawings shall be submitted with the Bid.

1. Evidence of Bidder's experience in works similar to this

Tender Submission - Instruction to bidders

It is mandatory for Bidders to upload a copy of their bid in the **TENDER LINK** Electronic Tender Box no later than **4:00pm, on Wednesday 22nd March, 2017**.

To register your interest and tender a response, view 'Current Tenders' at:

<https://www.tenderlink.com/fea>

For further information contact The Secretary Tender Committee, by e-mail

TDelairewa@fea.com.fj

In additional, hard copies of the tender, one original and one copy must be deposited in the tender box located at the FEA Head Office, 2 Marlow Street, Suva, Fiji no later than **4:00pm, on Wednesday 22nd March, 2017**- Addressed as

Tender – MR 48/2017 – Design and Construction of 132kV Disconnecter Foundation Pads for FEA's Wailoa, Cunningham and Vuda Substations

**The Secretary Tender Committee
Fiji Electricity Authority
Head Office
Suva
Fiji**

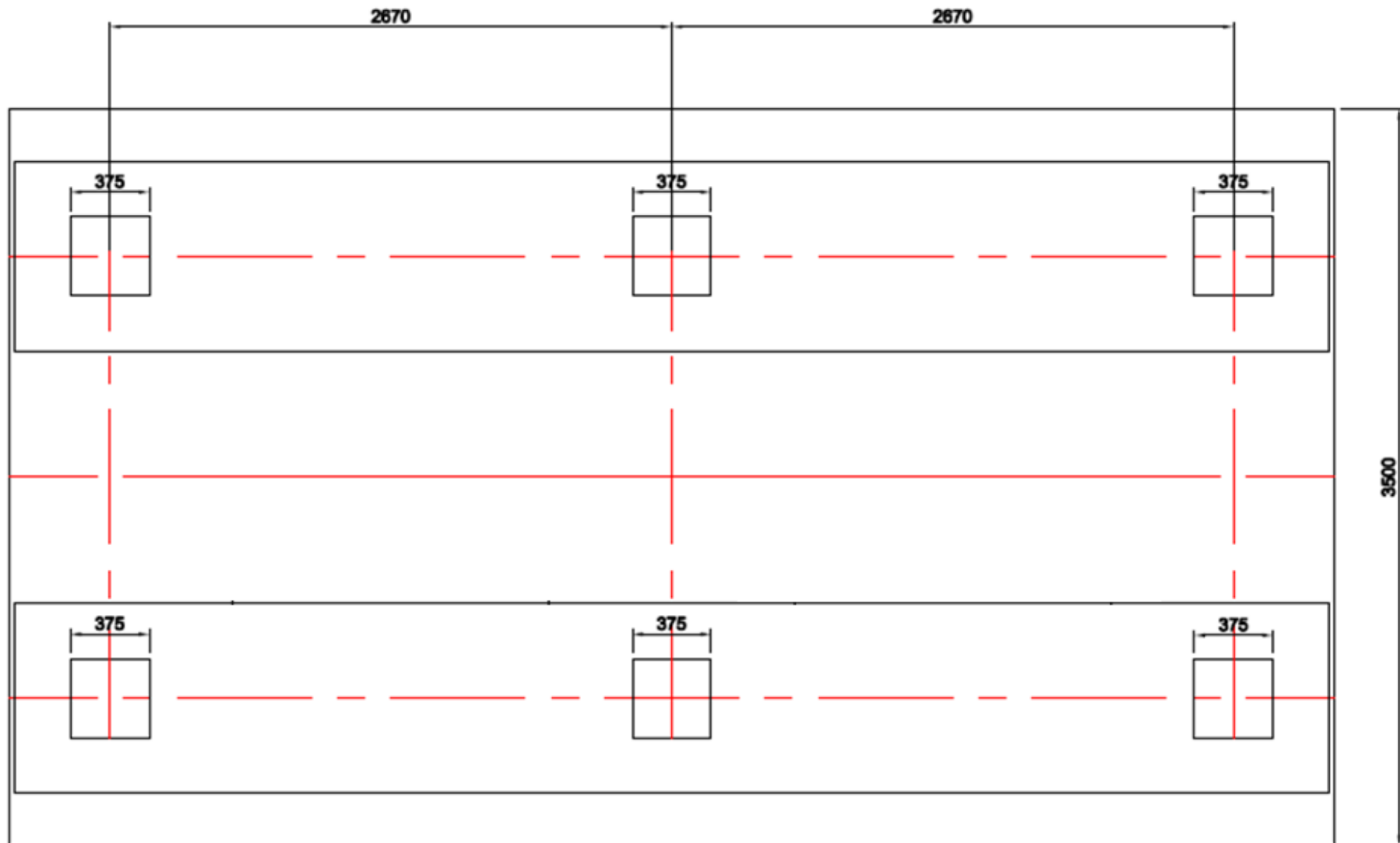
- **Hard copies of the Tender bid will also be accepted after the closing date and time provided a soft copy is uploaded in the e-Tender Box and it is dispatched before the closing date and time.**

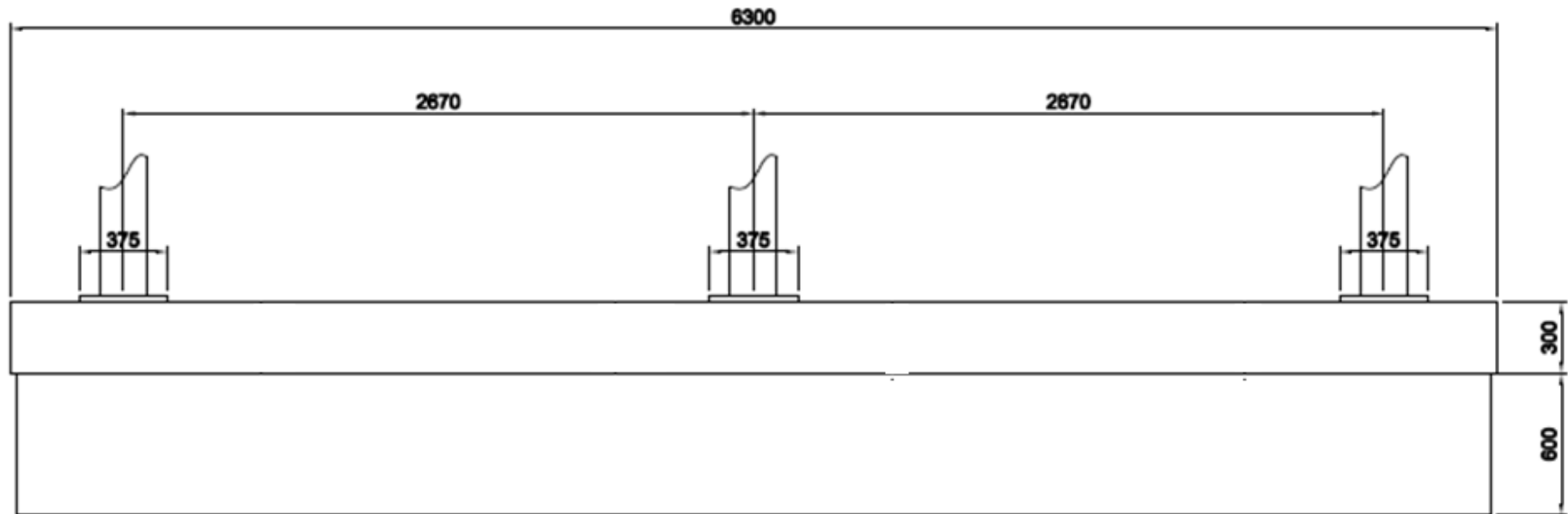
Tenders received after **4:00pm** on the closing date of **Wednesday 22nd March, 2017**.

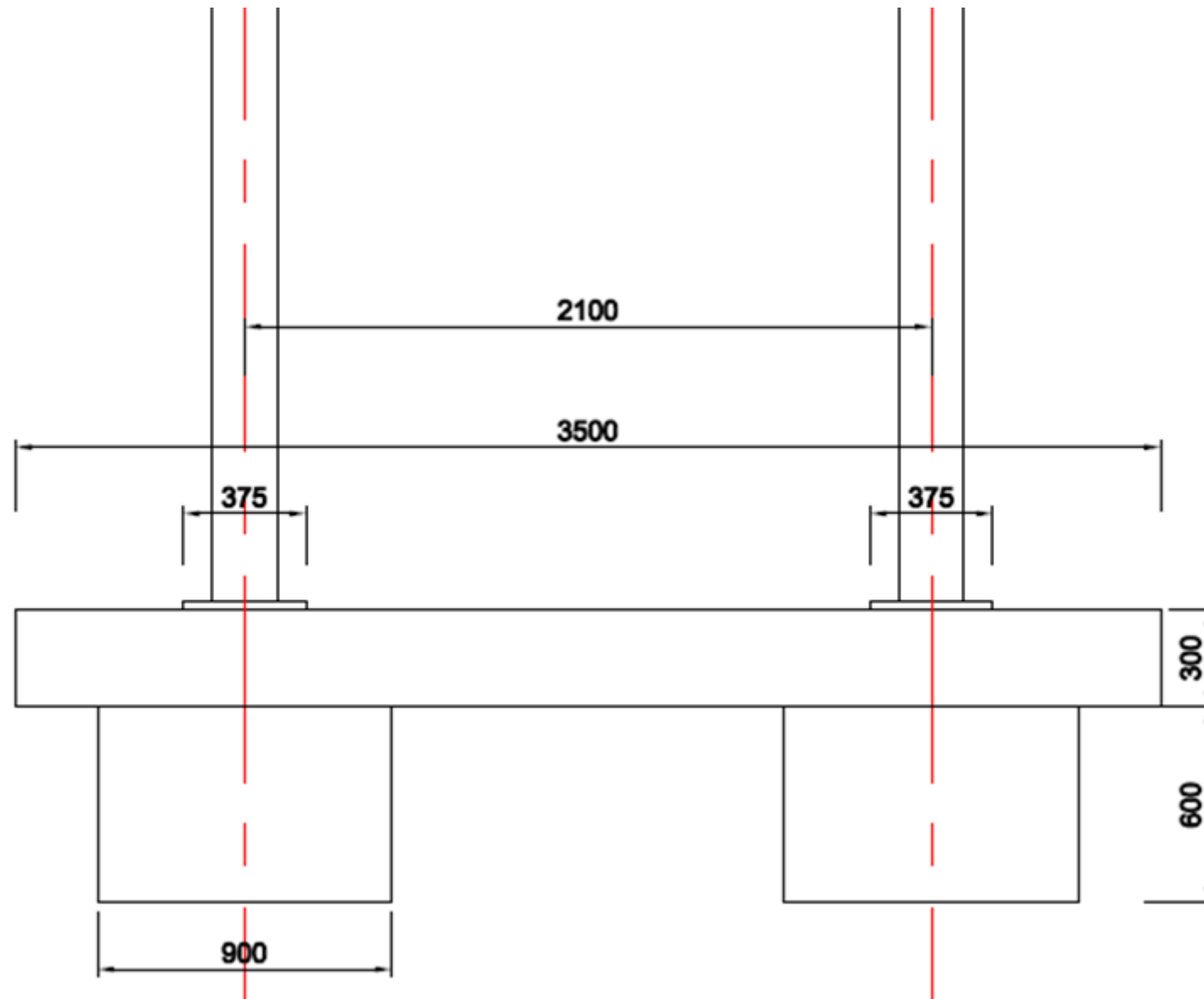
- will not be considered.
- Lowest bid will not necessarily be accepted as successful bid.
- **It is the responsibility of the bidder to pay courier chargers and all other cost associated with the delivery of the hard copy of the Tender submission including any Duties/Taxes. Hard copies of the Tender submission via Post Box will not be considered.**

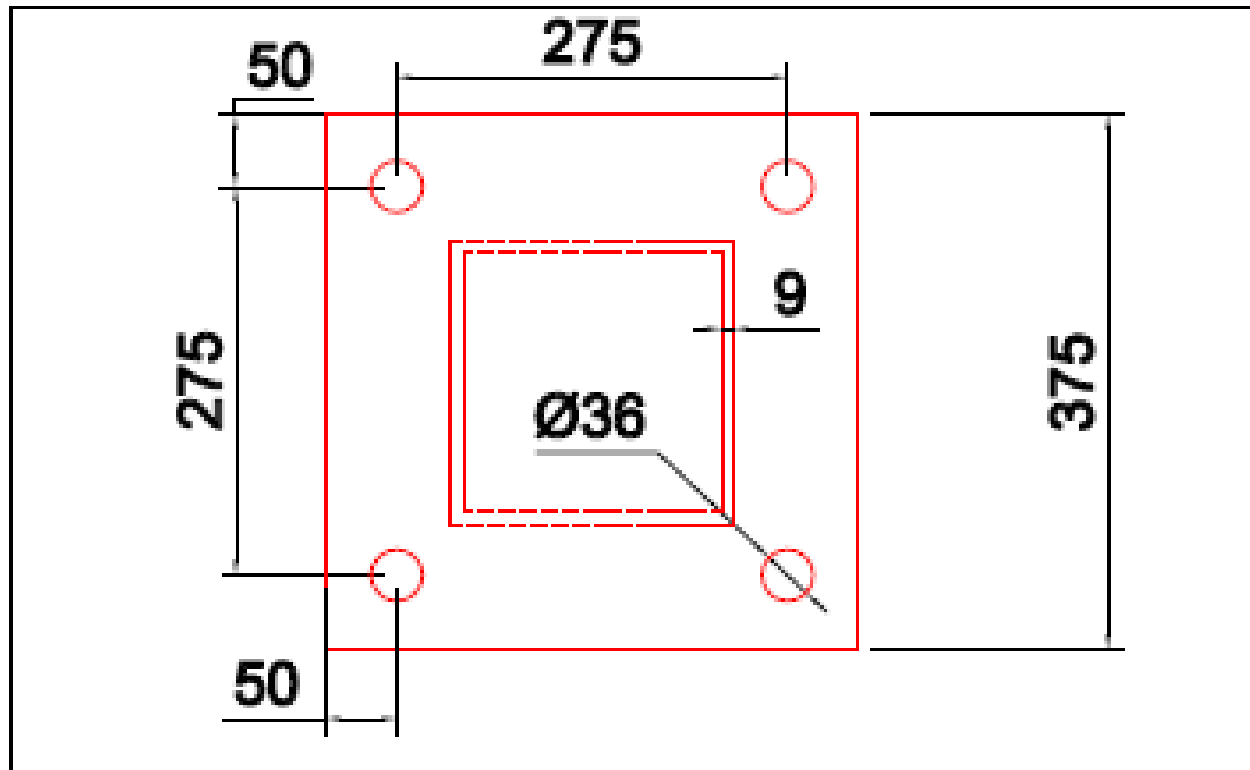
Section 4

Drawings

Drawings 1 – Final layout





BOTTOM PLATE**PLAN VIEW**