PARADIP PORT TRUST

INVITATION OF BUDGETARY OFFER

FOR

Preparation of New earth pits at different substations of PARADIP PORT TRUST

SUBMISSION OF BUDGETARY OFFER
ON OR BEFORE Dt.06-04-2019…1600hrs.

EXECUTIVE ENGINER (ELECT.)
PORT ELECTRICLA DIVISION – II
PARADIP PORT TRUST,
PARADIP, JAGATSINGHPUR,
ODISHA – 754142
Contact No.9777180842
Email Id: rnsahooeeppt@gmail.com

REQUEST FOR BUDGETARY OFFER

(A) GENERAL INFORMATIONS:

Sl. No.	Item	Details
1.	Name of Work	Preparation of New earth pits at different substations of Paradip Port Trust.
2.	Department / Organization	ELECTRICAL & MECHANICAL DEPARTMENT / PARADIP PORT TRUST
3.	Executive Division	Port Electrical Division.
4	Officer Inviting the Offer	Executive Engineer
5.	Immediate Next Authority	Superintending Engineer
6.	Sanctioning Authority	Dy. Chairman, PPT
7.	Executing Authority	Executive Engineer

(B) OTHER INFORMATIONS:

Sl. No.	Item	Date	Time
1	Publication date	16-03-2019	1600hrs
2.a)	Document download start date	16-03-2019	1600hrs
b)	Document download end date	06-04-2019	1600hrs
3.a)	Start date for seeking Clarification on-line		
b)	Last date for seeking Clarification on-line		
4.	Date of uploading response to Clarifications sought		
5.	Offer Submission end date	06-04-2019	1600hrs
6.	Offer Validity period	120 days	
7.	Currency of Offer	Indian Rupee	
8.	Language of Offer	English	

BUDGETARY OFFER IE Rule-1956

Name of the work: Preparation of new earth pits at different substations of PED, PPT.

Presently there are 52 nos of Transformers & associated switch gear panel installed in different location to provide power supply for port operational activities of Paradip Port. As per section 67, 90 & 92 of IE Rule -1956, the electrical equipments should be earthed in two places & transformer neutrals earthed properly. Since the earthing is mandatory in electrical installation so as to comply electrical safety .PPT invites budgetary offer from electrical contractors so as to prepare estimate for the above subject work. The scope of work has been prepared below accordingly the firms are requested furnish the offer.

1) The Contractor shall supply the materials such as perforated heavy gauge GI pipes (50 mm, 10 ft. & 20 ft. length)GI clamps, Nut & Bolts, GI flats (50 mm x 06 mm), charcoal, sand & salt etc. for preparation of earthing system including transportation charges and other incidental charges.

2) The Contractor shall supply the materials such as cement, sand, chips,Bricks and rod, etc. including all expenditures like taxes, transportation charges and incidental charges for preparation periphery wall of earth pit & earth cover.

3) The Contractor shall excavate the soil to make a pit by manually or to bore the soil by auguring including labour charges and other expenditures if any for putting earth electrode & earth enhancing material like Charcoal, Salt, sand etc.

4) The Contractor shall put the perforated heavy gauge 50mm GI pipe in the pit keeping 1 ft. above the ground level and put homogeneous mixture of charcoal , salt & sand etc. around the pipe as per drawing & cover the ground level by pre-excavated soil .

5) The Contractor shall prepare the periphery wall of size 1.5 ft. x 1.5 ft. by using cement, sand, bricks, rod, chips, etc. and prepare the slab for putting cover the earth pit.

6) The Contractor shall fix the funnel above the pipe for watering and fix the clamp on the pipe for earthing connection by welding.

7) The Contractor shall supply the paint (black & yellow) for painting of earth periphery wall by using black colour and writing the earth pit no., type of earth, earthing resistance and date of testing by using yellow colour.

8) The Contractor shall lay the flat from earth pit to electrical panel and earth pit to body of the transformer and earth pit to neutral of the transformer.

9) The Contractor shall interconnect the earth pit by using earth flat by bolting.

10) The Contractor shall supply lighting arrestor as per specification given below and fix above the substation building & lay the earth flat from lighting arrestor to earth pit.

11) The Contractor shall user the men & machinery at his own risk if any port property damaged during the execution of work. The repairing cost of the port property shall be recovered from the Contractor's bill.

12) The Contractor shall ensure that the workmen are engaged under this contract are covered under Life Insurance scheme.

13) The Contractor shall use water & electricity on payment basis.

14) The Contractor shall observe and abide by relevant laws, rules & regulations prevailing in the Contract Labour Act & Minimum Wage Act.

15) The Contractor shall clean the substation periphery before execution of earthing. No extra payment shall be paid to the Contractor. Hence, it is suggested to quote the rate taking all the aspect into the account while submit his offer.

16) The Contractor shall carry out the work as per the direction of Engineer-In-Charge (EIC).

17) The Contractor shall follow the drawings given in the documents & execute the work accordingly.

Other Commercial Conditions:

1) Payment Terms:

The payment will be made as follows:

i) 90% payment will be released after successful completion of the work and acceptance thereof by the Engineer In-charge (EIC).

ii) Balance 10% of the total contract value shall be retained by PPT towards Performance Security Deposit. The Performance Security Deposit shall be released after successful completion of the warranty period only. The Contractor may furnish a Bank Guarantee of equal value valid till 60 days after expiry of the warranty period in which case the balance 10% money will be released for payment.

2) Security Deposit:

A sum of 10% of accepted value of the tender shall be deposited by the successful bidder (Contractor) as Security Deposit (SD). This will be deposited initially 1% value of the contract as initial security deposit (ISD) in shape of a Bank Guarantee or Demand Draft (DD) / Banker's Cheque drawn in favour of FA&CAO, Paradip Port Trust (DD/ Banker's cheque shall be payable at Paradip) within 15 days of issue of Letter of Intent (LOI). After deducting the EMD and ISD from the stipulated security deposit, the balance amount will be recovered in instalment through deduction at the rate of 10% of the value of each running account bill subject to attaining the required amount by the last running bill. In case of exemption of EMD, the successful bidder has to deposit initially 3% of the contract value as ISD instead of 1% of contract value.

The Contractor may submit Bank Guarantee for the balance amount after deducting the EMD and ISD from the stipulated security deposit in which case there will be no deduction from the running bills towards security deposit.

EMD of the successful bidder may be refunded to the bidder after receiving an equivalent amount of Bank Guarantee only after issue of work order and signing of agreement.

The Contractor may also submit Bank Guarantee for a sum of 10% of accepted value of tender as Security Deposit (SD) within 15 days of issue of Letter of Intent (LOI) in which case (i) deposit of 1% ISD will not be required; (ii) there will be no deduction from the running bills towards security deposit; and (iii) EMD of the successful bidder will be refunded to the bidder after issue of work order and signing of agreement.

The security deposits shall be returned to the Contractor within 45 days of successful execution and acceptance of the work. The BG shall be valid till 45 days after the scheduled date of completion of the work.

Execution Period:

The execution period of the work shall be 240 days from the date of issue of LOI.

3) Warranty:

The entire work shall warrant for the period of 1 year from the date of completion & acceptance.

4) Any query in this regard may be raised to the following email id prior to dt. ---------- (up to 17:00 hrs.) Which will be clarified by dt. ---------- by uploading in the website for facilitating submission of a competitive budgetary offer.

Note: Budgetary offer shall be submitted to the following address (through email or by Registered post):

Executive Engineer (Elect).
Port Electrical Division-II,
Paradip Port Trust.
Po: - Paradip,
Dist: - Jagatsinghpur
Odisha—754142
Contact No. 97771-80842
Email id: rnsahooeeppt@gmail.com

BILL OF QUANTITY

Name of the work: - Preparation of New earth pits at different substations of PARADIP PORT TRUST.

Sl. No.	Description of work	Unit	Qty	Rate	Amount
01.	Supply ,Installation and commissioning of 10ft. Pipe earthing as per IS 3043 with supply of materials such as 50mm GI pipe,clamp, GI flats, GI nut & bolts, Salt,Charcoal and earth chamber made of bricks,sand,chip cement etc. with RCC slab cover.	Nos.	57		
02.	Supply ,Installation and commissioning of 20ft. Pipe for neutral earthing of transformer as per IS 3043 with supply of materials such as 50mm GI pipe ,clamps,GI flats GI nut&bolts,Salt,Charcoal and earth chamber made of brick,sand,chip,cement etc.with RCC slab cover.	Nos.	79		
03.	Supply of 50mmx6mm GI Earth flat, Nut&bolt& connection to transformer neutral& body of transformer & panel	Mtr.	680		
04.	Connection of earth to the Lightning Arrestor with supply of GI flats of (25x4) mm, nuts & bolts and clamps, etc.	Mtr.	680		
05.	Supply, Installation, Commissioning & testing of lighting Arrestor for substation building and earth Connection to L.A.	Nos.	34		
				Total:	

(Rupees----------) only.

Note: **GST percentage to be mentioned extra in the offer.**

Transfor Neutral Earthing

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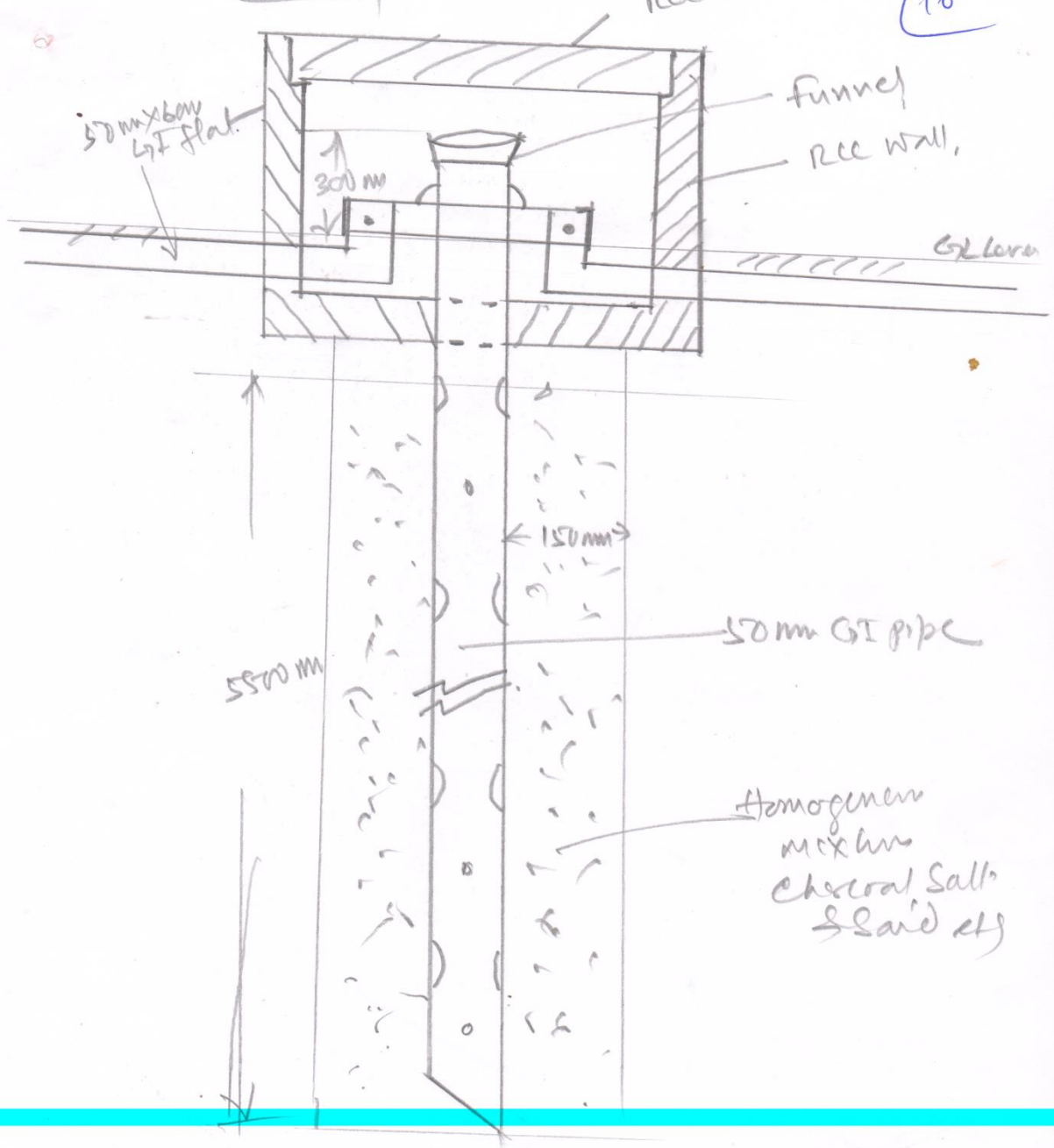


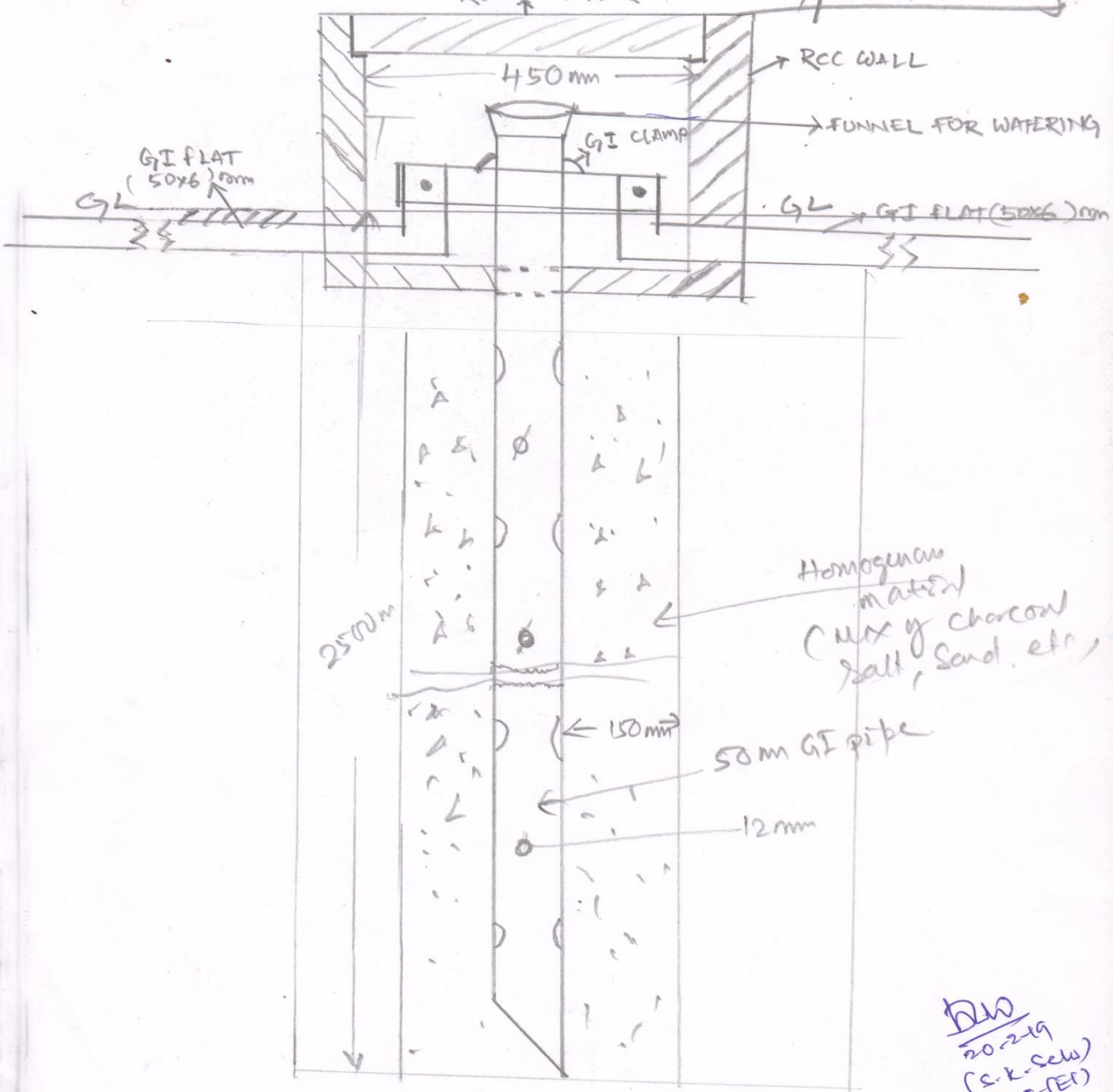
20/2/19

20-2-19
AE(E)
(S.K. Sahoo)

As per IS 3043

11

Body/Panel Earthing



20-2-19
(S.K. Sen)
AE(EI)

20/2/19