



प्रसार भारती
Prasar Bharati
भारत का लोक सेवा प्रसारक
India's Public Service Broadcaster
कार्यालय: अपर महानिदेशक (अभि.) (उत्तरी क्षेत्र)
Office of the Additional Director General (E) (NZ)
आकाशवाणी एवं दूरदर्शन
Akashwani & Doordarshan
आठवां तल, सूचना भवन, सी.जी.ओ. कॉम्प्लेक्स, नई दिल्ली 110003
8th floor, Soochna Bhawan, CGO Complex, New Delhi-110003



Jaisalmer/2V/3/2023-24/Instt./(Copper Earthing)

Dated: 07.02.2024

Subject: Supply, fabrication and construction of copper plate earthing & other related misc work at AIR Jaisalmer (Raj).

1. The budgetary quotation with drawing of the upcoming tender is enclosed herewith to offer comments, if any by prospective bidders/firms.
2. Bidders/firms are requested to provide information about content in respect of works along with budgetary quote.
3. Bidders/firms may please submit the above detail on or before due date by e-mail to rksrivastav@prasarbharati.gov.in or at following Address.

Assistant Director (Engg.)
Room No. 899-C,
O/o ADG(E-NZ)
Akashwani & Doordarshan,
8th floor, CGO Complex,
Soochna Bhawan, New Delhi-110003
Mobile No.: 09873364977

Budgetary Quotation for: Budgetary quotation with drawing for Supply, fabrication and construction of copper plate earthing & other related misc work at AIR Jaisalmer (Raj).

Due Date to offer Comments: 14.02.2024

Enclosed:

1. Budgetary Quotation form of the upcoming tender is enclosed herewith to offer comments, if any by prospective bidders/firms.
2. Drawing for Supply, fabrication and construction of copper plate earthing & other related misc work at AIR Jaisalmer (Raj).

**Assistant Director (Engg.)
For Add. Director General (NZ)**



Jaisalmer/2V/3/2023-24/Instt./(Copper Earthing)

Dated: 07.02.2024

Budgetary Quotation Form

Project: Setting up of 20kW (1+1) FM Transmitter at AIR Jaisalmer (Rajasthan).

Subject: Supply, fabrication and Construction of copper plate earthing& other related misc work at AIR Jaisalmer (Raj).

Last date of receipt of budgetary quotation in this office: **14.02.2024 up to 12:00 hrs.**

Please read carefully the terms and conditions given the enquiry quotation form.

S.No.	Description	Qty	Rate	Amount
1.	Supply of 600mm x 600mm x 3mm copper plate for earth pit	20 Nos.		
2.	Supply of 50mm x 3mm copper strip for bottom of the earth pit to the surface of the earth pit & for the grid earthings by interconnecting of earth pits.	106 mtr.		
3.	Supply the 10ft. long 38 mm dia class "C" G.I pipe of reputed make with G.I. funnel & steel mesh at the top of the pipe for watering as shown in the drawing. Make: Surya, Jindal or equivalent.	20 Nos. (10ft each)		
4.	Supply of charcoal for copper plate earth pit	1600 kg		
5.	Supply of raw salt for copper plate earth pit	1600 kg		
6.	Supply of bentonite bags for copper plate earth pit (each bag of 50 kg.)	40 bags		
7.	Supply of heavy duty C.I. cover with lifting hooks.	20 Nos.		
8.	Fabrication and construction of copper plate earthing details of electrodes & earth pit as per given below: <ul style="list-style-type: none">Digging of pit of size: 1 mtr. x 1 mtr. x 3.5 mtr.(D)Copper strip of 50 x 3mm shall be extended from bottom of the earth pit to the surface of the earth pit, after joining the copper strip by copper rivets and proper brazing of strip to the copper plate.Fixing the 10ft. long 38 mm dia G.I pipe and fixing with the copper plate in the center with G.I/SS nut bolts class C.Placing the copper plate with pipe and strip into the pit.Filling of 2 Nos of bags of bentonite each of 50 kg. (for each earth pit.)Filling of 80 kg charcoal, and 80 kg raw salt in alternate 3 to 4 layers. The fresh soil about 2.0 cubic metre in earth pit size in layers is to be arrange to fill the pit for proper result.Proper watering of the filled pit for initial charging of pits.Construction of CC chamber in ratio 1:2:4 and fixing heavy duty C.I. cover with lifting hooks. Note: The scope as per drg. No. TM-15175/2 (General). The marking of these earth pits shall be given at site (drg. should be collected from the office and all the terms and condition on drawing should be accepted.	20 Nos.		
9.	Making grid of above earthings by interconnecting earth electrodes with fabrication & fixing of 50mm x 3mm copper strip as per given below: <ul style="list-style-type: none">Transmitters 3 Grid out of 9 PitsAudio-1 Grid out of 3 pits.Power Supply-4 Pits. separate (LT Electrical Panel, UPS, Isolation transformer, AVR)DG Sets - 4 Nos. separate pits (copper earthing electrodes) (Neutral 2 Nos. and body earth 2Nos.for DG set) Note: <ul style="list-style-type: none">Grid are to be fabricated by using three no. of above plate earthing by jointing and brazing each by 50 x 3mm. The length of Copper strip(approx) 9 mtr for each grid.	1 Job		
10.	Providing & fixing of nomenclature/sign marker for earth pits at AIR Jaisalmer (Rajasthan) as per below:- <ul style="list-style-type: none">Providing pre engraved stainless steel marking plate of size 8"x 4"x 5mm thickness & 2½' long 10mm dia steel rod is to be welded with above plate.The engraving of numbering & nomenclature of various pits should be done on above marking plates in consultation with site incharge.Digging of soil & grouting the above marker 1' deep below the ground with cement concrete work. Note: <ul style="list-style-type: none">After construction of earthing system the resistivity measurement shall be taken and it should be less than 1 ohm. Tenderer is require to ensure the same. Any change required in the above scope like length of electrode, no of pits extra should be brought in to the notice of department after proper measurement of earth conductivity, before submission of offer.The AIR Jaisalmer site is situated at remote and difficult climatic terrain of Rajasthan region and AIR Jaisalmer is approx 80km from Jaisalmer City. So, bidders should take proper information about ground reality of the site before submitting the tender process.Copper plate and strip should have 99.9% of purity and the certificate of purity should be submitted by the bidder at the time of execution of scope.Above complete work will be carried out in presence of authorized representative of this office.	20 Nos.		
	Total			
	GST @			
	Grand Total			

Note:

- Time of execution as per permission of Engineer Incharge at AIR Jaisalmer (Rajasthan).
- The bidder must be experienced in same kind of scope & shall submit documentary evidence with offer. The Completion certificate is to be attached, issued by any Govt Agency only.
- Execution of scope has to be completed without break in service at AIR Jaisalmer (Rajasthan).
- Before submitting the offer bidder must visit site and with prior permission of the site in charge and submit confirmation of site visit. Technical details will be provided by In-charge of Site/I.O at AIR Jaisalmer (Rajasthan).

- The firm has to produce a list all such labour along with the address proof which are to be Employed Office on signing contract. The firm shall issue the identity cards to all such persons to facilitate the entry in at AIR Jaisalmer (Rajasthan).
- Inspection will be carried out preferably in presence of Authorized representative of ADG (NZ), AIR & DD, 8th floor, SochnaBhawan, CGO Complex, New Delhi-110003
- Any damage or misplace in equipment will have to be provided by the firm during execution.
- Past performance report of similar items earlier supplied / similar works earlier carried out for this Organization will be taken into consideration while evaluating this bid. The bid shall be rejected, if the past performance of the similar item earlier supplied/similar work earlier carried out for the Organization is found to be unsatisfactory.

1. Quantity of Material & Scope may increase or decrease as per actual requirement/constraints at site.

a) GSTIN No: b) PAN No.....

2. **Delivery at:** 20kW (1+1) FM Transmitter at AIR Jaisalmer (Rajasthan).

3. **Consignee:** Installation officer, AIR Jaisalmer (Rajasthan).

4. **Completion Period:** Supply of material & completion of scope within 60days from the date of order.

5. **Validity:** 120days

6. **Payment terms:**

➤ 95% Payment on completion/execution of in good condition at site.

➤ Balance payment of 05% will be paid after guarantee/warranty period of one year. However payment can be released against FDR/Account Payee Demand Draft/Banker's Cheque of equivalent amount in favour of CE (NZ), AIR & TV New Delhi valid for guarantee period at least.

7. **Performance Security:**

a. The firm/contractor should submit performance security deposit in the form of FDR from a schedule commercial bank valid for one year in favour of Chief Engineer (NZ), AIR & DD, New Delhi.

b. The Performance Security Deposit shall be 05% of cost of the order/Contract value.

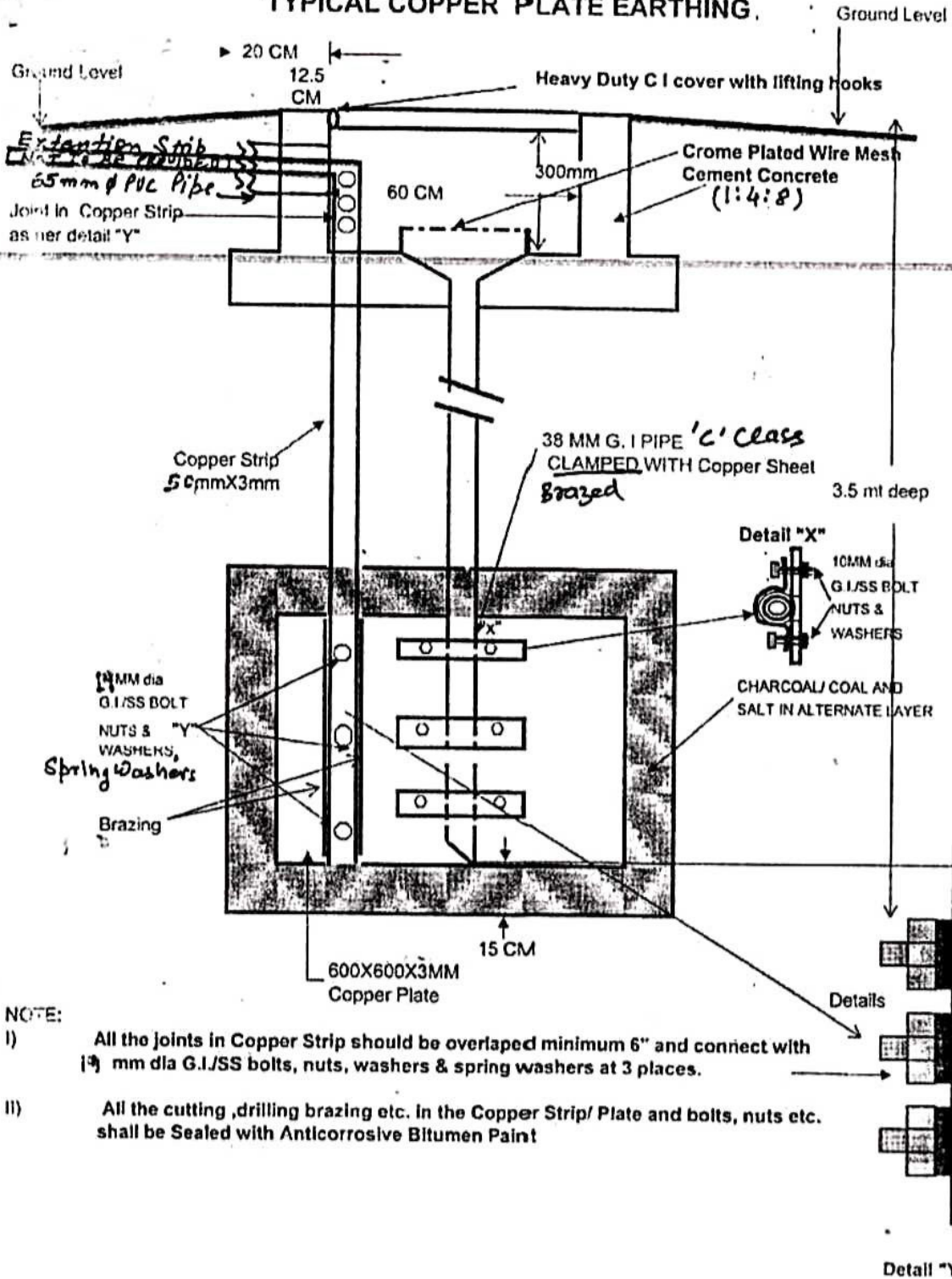
8. **Declaration:** We declare that all the conditions as given in the Quotation form have been read by us.

Name (in capital)_____

Seal: (Signature of the Tenderer)



TYPICAL COPPER PLATE EARTHING



NOTE:

- i) All the joints in Copper Strip should be overlapped minimum 6" and connect with 10 mm dia G.I./SS bolts, nuts, washers & spring washers at 3 places.
- ii) All the cutting, drilling, brazing etc. in the Copper Strip/ Plate and bolts, nuts etc. shall be Sealed with Anticorrosive Bitumen Paint

Drawing No. 15175/2 (General)