



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
Akashvani & Doordarshan
आठवां तल, सूचना भवन, सी.जी.ओ. कॉम्प्लेक्स, नई दिल्ली 110003
8th floor, Soochna Bhawan, CGO Complex, New Delhi-110003



Rampur/2V/3/2024-25/Instt./(Copper Earthing)

Dated: 28.08.2024

Subject: Fabrication and Construction of copper plate earthing & other related misc work at Akashvani Rampur (Uttar Pradesh).

1. The budgetary quotation with drawing for the upcoming tender is enclosed herewith to offer comments & industrial feedback, 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 bcbelwal@prasarbharati.gov.in or at following address.

B C Belwal
Assistant Engineer
Room No. 899-B,
O/o ADG(E-NZ)
Akashvani & Doordarshan,
8th floor, CGO Complex,
Soochna Bhawan, New Delhi-110003
Mobile No.: 09868539587

Budgetary Quotation for: Fabrication and Construction of copper plate earthing & other related misc work at Akashvani Rampur (Uttar Pradesh).

Due Date to offer Comments: 09.09.2024

Enclosed:

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


28/8/2024
Assistant Engineer
For Add. Director General (NZ)
सी.जी.ओ. कॉम्प्लेक्स, नई दिल्ली
सहा अभियन्ता / Asstt. Engineer



Rampur/2V/3/2024-25/Instt./(Copper Earthing)

Date: 28.08.2024

Budgetary Quotation Form

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

Project: Setting up of 10kW (1+1) FM Transmitter at Akashvani Rampur (Uttar Pradesh).

Subject: Fabrication and Construction of copper plate earthing & other related misc work at Akashvani Rampur (Uttar Pradesh).

Last date of receipt of budgetary quotation in this office: 09.09.2024 upto 12:00Hrs

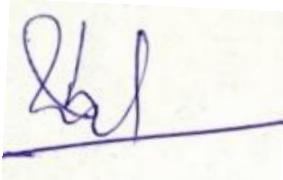
S.No.	Description	Qty	Rate	Amount
1.	Fabrication and construction of copper plate earthing details of electrodes & earth pit as per given below: i. Digging of pit of size: 1 mtr. x 1 mtr. x 3.5 mtr.(D). ii. Placing the copper plate of size 600x600x3mm with pipe and strip into the pit. iii. Placing of copper strip of 25x 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. iv. Fixing the 10ft. long 38 mm dia G.I Pipe & fixing with the copper plate in the center with G.I/ SS nut bolts class C. One G.I. reducer at the top of the pipe is to be provided for fixing steel mesh for watering as shown in the drawing. v. Providing and filling of 2 Nos of bags of bentonite each of 50kg.(for each earth pit.) vi. Filling of 80kg charcoal, and 80kg raw salt in alternate 3 to 4 layers. The fresh soil about 2.0 cubic meter in earth pit size in layers is to be arrange to fill the pit for proper result. vii. Proper watering of the filled pit for initial charging of pits. viii. Construction of CC chamber in ratio 1:2:4 and fixing heavy duty C.I. cover with lifting hooks. Note: Scope of work is 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.	16 Nos.		
2.	Making grid of above earthings by interconnecting earth electrodes with fabrication & fixing of 50mm x 3mm copper strip as per given below: i. Transmitters 2 Grid out of 6 Pits ii. Audio-1 Grid out of 3 pits. iii. PS-3Nos. separate (LT Electrical Panel, UPS, AVR) iv. DG Sets – 4 Nos. separate pits (copper earthing electrodes) (Neutral 2 Nos. and body earth 2Nos.for each DG set) Grids are to be fabricated by using three no. of above plate earthing by jointing and brazing each by 50 x 3mm copper strip- i.e 2 Nos. of length approx. 3 mtrs each 3 Grids= 27Mtrs	1 Job		
3.	Copper Strip laying for extension of earthing system up to the transmitter hall, UPS & LT panel in AIR Premises and terminating in bus bar by digging the soil 6" deep & placing the copper strip along the trenches upto desired location and placing the strip by brazing to the earthing system then filling the soil over these trenches at AIR Rampur i. Laying of 25 mm x 3 mm Copper strip from earthing system to the bus bars. ii. Jointing the all joints and connections of the ends of the copper strips by proper copper riveting & brazing with gas welding & by Nut bolts to the bus bars. ➤ The 25x3 mm copper strip will be provided by the department.	450 R Mtr.		
4.	Providing of 375x38x6mm copper bus bar with insulators & steel nut bolts and the fixing of 375x38x6mm copper bus bar is to be done to terminate the different earthing system of transmitter, Audio input rack, and other electrical panel at AIR Rampur.	06 Jobs.		
5.	Providing & fixing of nomenclature/sign marker for earth pits at AIR Rampur as per below:- • 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.	16 Nos.		
	Note: ➤ After construction of earthing system the resistivity measurement shall be taken and it should be less than 1 ohm. ➤ The copper earthing material like copper plate, G.I pipe, 25x3mm copper strip, charcoal & salt shall be provided by the department. ➤ Above complete work will be carried out in presence of authorized representative of this office.			
	Total			
	GST @			
	Grand Total			

Note:

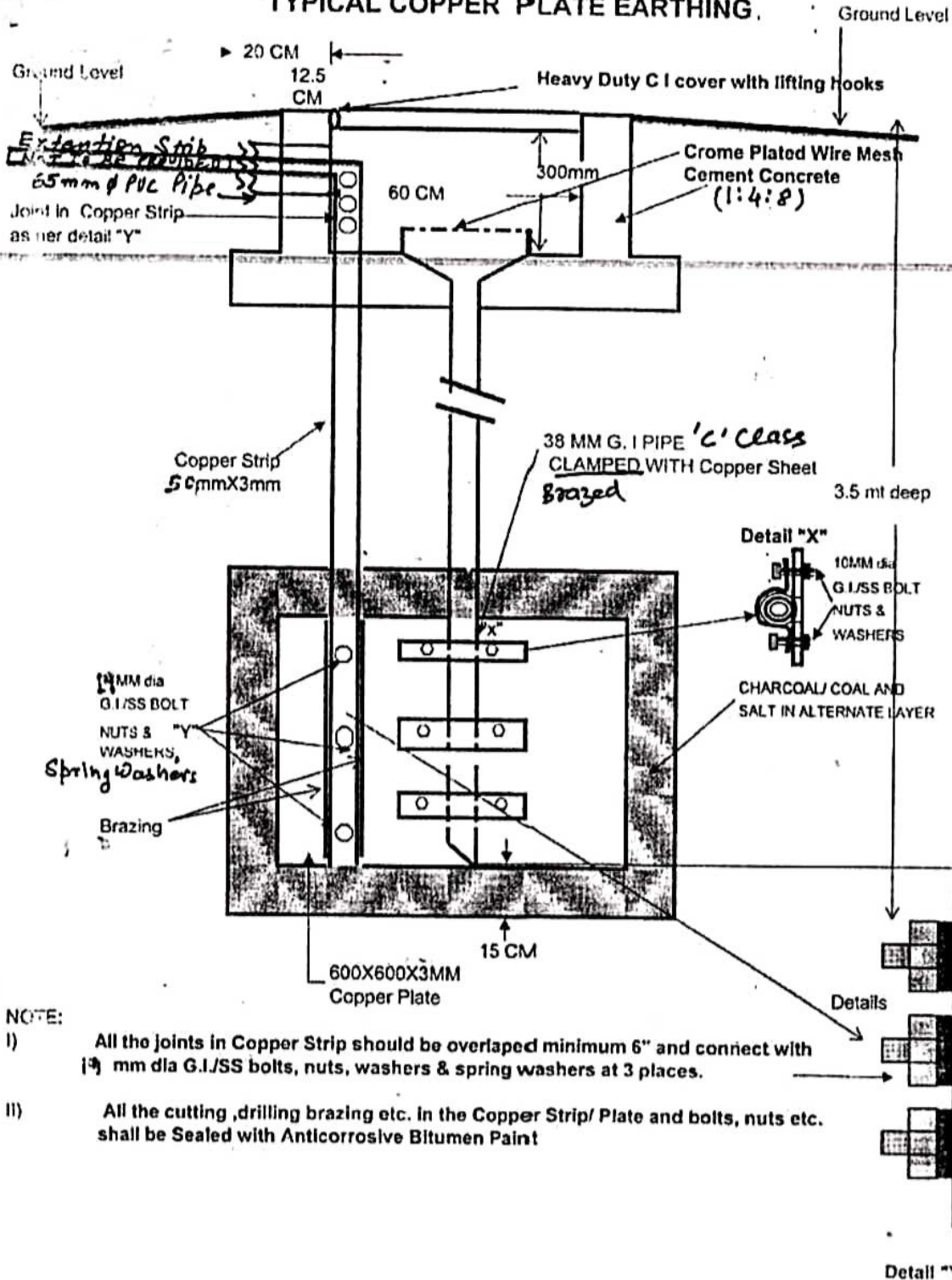
- Time of execution as per permission of Engineer Incharge at Akashvani Rampur.
- The Bidder must be experienced in same kind of scope & shall submit documentary evidence with offer. The Completion certificate is to be attached, issued by any Govt Agency only.
- Execution of scope has to be completed without break in service at Akashvani Rampur.
- 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 Akashvani Rampur.
- Inspection will be carried out preferably in presence of Authorized representative of ADG (NZ), AIR & DD, 8th floor, Soचना Bhawan, CGO Complex, New Delhi-110003
- Any damage or misplace in equipment will have to be provided by the firm during execution.

1. Quantity of Material & Scope may increase or decrease as per actual requirement/constraints at site.
2. Please read carefully the terms and conditions given in this Quotation Form.
- a) GST No: b) PAN No.....
3. **Delivery at:** Setting up of 10kW (1+1) FM Transmitter at Akashvani Rampur (Uttar Pradesh).
4. **Consignee:** Installation officer, Akashvani Rampur.
5. **Completion Period:** Supply of material & completion of scope within 60days from the date of order.
6. **Validity:** 120days
7. **Payment terms:**
 - 93% Payment on completion/execution of scope in good condition at site.
 - Balance payment of 03% 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 Chief Engineer (NZ), Akashvani & Doordarshan New Delhi valid for guarantee period at least.
8. **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), Akashvani & Doordarshan New Delhi.
 - b. The Performance Security Deposit shall be 03% of cost of the order/Agreement value.
 - c. For release of security deposit/performance security, the firm will submit his claim along with a certificate from the ultimate consignee that equipment supplied/SITC executed against this order has performed satisfactorily during its warranty/guarantee period and department have not suffered any loss/inconvenience on this account.
9. **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 14 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)