



प्रसार भारती PRASAR BHARATI

(भारत का लोकसेवा प्रसारक INDIA'S PUBLIC SERVICE BROADCASTER)

अपरमहानिदेशक (प्रसारण संचालन) (पूर्वोत्तर क्षेत्र) का कार्यालय

OFFICE OF THE ADDITIONAL DIRECTOR GENERAL (BO) (NEZ)

आकाशवाणी एवं दूरदर्शन AKASHVANI AND DOORDARSHAN

दूरदर्शन संकुल, आर.जी.बरुआ मार्ग, गुवाहाटी - 781 024

DOORDARSHAN COMPLEX, R.G.BARUAH ROAD, GUWAHATI - 781 024



File No.-ADG(E)(NEZ)/PROJECTS/AKASHVANI GUWAHATI/COMBINER_TUNING/2025-2026/Part(1) 1

Date: 15.01.2026

1476

NOTICE INVITING QUOTATION

Subject: - Work for Supply & Installation (SITC) of two numbers Copper plate Earthing for DBE 10 KW FM Transmitter at DDK Tower, Narkasur Hill, Guwahati, Assam-781019.

Dear Sir,

This office is interested in the under mentioned works as per the specifications given below. Your quotation is invited as per the terms and conditions given below.

Sl. No.	Description of work	Qty.
1	Making of two no's of copper plate earth pits. The work includes --- a) Supply & fixing of Copper plate earthing system consisting of Copper Plate sized 600 mm x 600 mm x 3 mm, including all accessories such as watering pipe & funnel and masonry enclosure at top with cover plate as per drawing no. TM-16599 (Copy attached) b) Supply & laying of 40 x 6mm copper strip (pure electrolyte) X 3000mm length c) GI pipe of size 40mm dia. & 3000mm length d) CI pit cover of 12"X12" size with MS angle frame provided with hinge e) Supply of Brass Nuts & Bolts with washers & spring washers f) All other materials are required as per attached drawing & specification for copper plate earthing.	01 Job.
2	a) Supply & laying of 25 x 3mm copper strip with PVC insulation (pure electrolyte) up to the earth point inside the building (approx. 30mtr may require)	Rate/metre

Note - All connections of copper plate & strip should be brazed & secured with brass Nuts & Bolts.

Yours faithfully

V. Arul
15/01/26

V. Arul

Assistant Engineer

For O/o ADG (A & BO) (NEZ), Akashvani & Doordarshan,
Doordarshan Complex, RG Baruah Road, Guwahati, Assam-781024.

Terms and conditions: -

1. The rates should be indicated in figure as well as in words.
2. The quotation should be sent to the undersigned by name along with the descriptions of works/ items, name of supplier/ Contractor and specification etc. as per requirement of this office. The terms and conditions, validity period etc. should separately be mentioned in cover envelop or ignore whichever is not necessary. The same must be sealed and containing quoted prices, GST etc. to be furnished in the quotation or in the quotation form enclosed herewith so as to reach within 12.00 hours on or before 28/01/2026 in sealed cover, quotations by giving the following details.
 - a. Works/ stores/ items for which quotations are enclosed.
 - b. Reference of enquiry letter.
 - c. Date of opening quotations.
 - d. Name and address of the Tenderer.
 - e. Details of quotation should be submitted in the enclosed form or firm's quotation form.
3. The quotations will be opened in the Office of the undersigned at 3.00 p.m. on 28/01/2026 in the presence of the tenderer or their agents who may choose 'to attend.
4. The quotations as submitted should remain open for acceptance for a period of 6 months from the date of opening.
5. Every care has to be taken for the safety of the operating/ carrying the above-mentioned works/ stores/ items at the risk of Supplier/ Contractor.
6. The quotation should be fulfilled with the requisite particulars for GST implication.
7. The O/o ADG (BO) NEZ, Guwahati reserves the right to reject any or all the quotations without assigning any reasons.
8. The quality of work should be guaranteed for 1 (one) year after completion.
9. This office reserves the right to terminate the contract if the workmanship is found unsatisfactory. The decision of Head of Engineering in the matter will be final and undisputable. Income Tax will be deducted from firm's bill at the prescribed rates and the prescribed certificate for TDS will be issued.

Copy to:

- 1) CPP Portal (e-Publishing)
- 2) webupdates.pbns@gmail.com with a request to publish the Notice inviting quotation on prasarbharati.gov.in
- 3) O/o ADG (BO) NEZ, Guwahati office Notice Board.

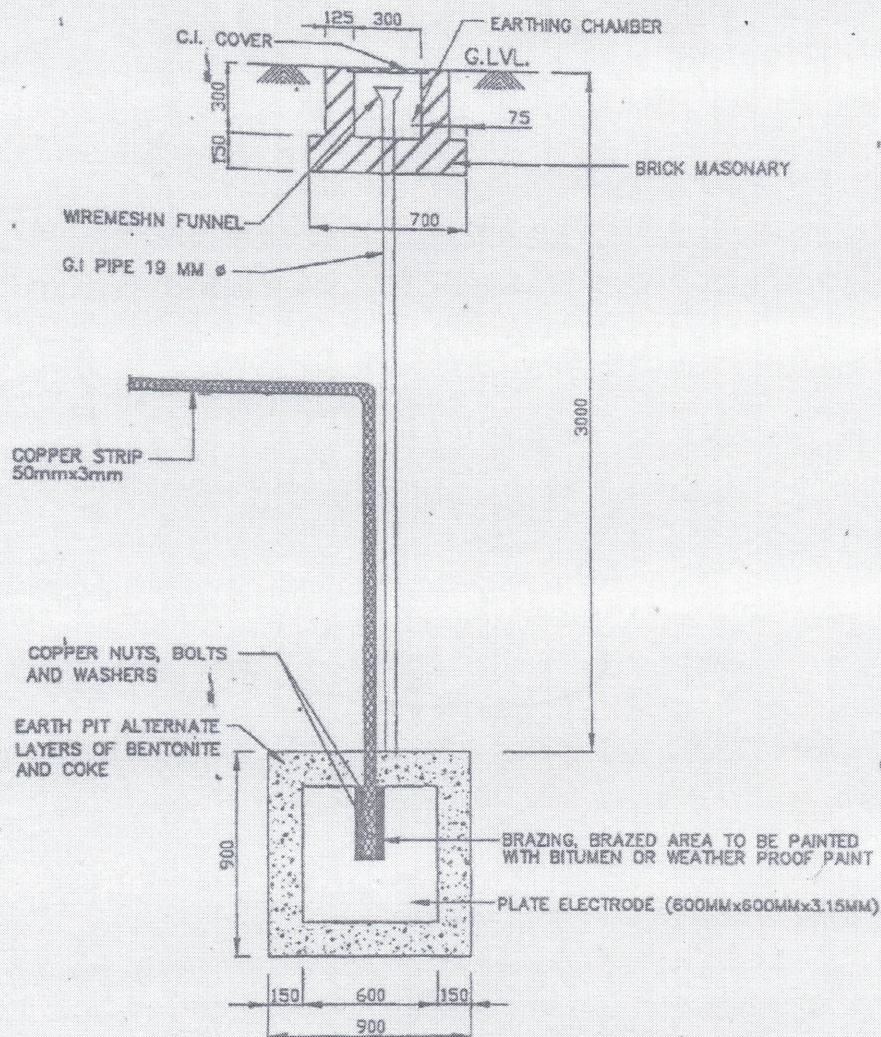
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Doordarshan Complex, RG Baruah Road, Guwahati, Assam-781024.

COPPER PLATE EARTHING



NOTE:-

1. PIT SIZE OF 900x900x3900(or more) MM IS EXCAVATED & COPPER PLATE OF SIZE 600x600x3.15 MM IS PLACED VERTICALLY IN THE EXCAVATED PIT. THE PLATE SHALL BE CONNECTED TO COPPER STRIP, OF 50x3 MM. THE BOLTS, NUTS, CHECK NUTS & WASHERS SHALL BE OF COPPER. THE PIT IS FILLED WITH ALTERNATE LAYERS OF COKE & BENTONITE UP TO A DEPTH OF 900 MM & REMAINING PORTION FILLED WITH LOOSE SOIL WITHOUT STONES. THE MASONRY CHAMBER AT GROUND LEVEL OF SIZE 700x700x450 MM WITH A HOLE IN MIDDLE TO PASS THE G.I. PIPE OF 19 MM DIA WITH A PROVISION FOR FUNNEL & PROVIDED WITH C.I. FRAME & COVER WITH LOCKING ARRANGEMENTS. THE FUNNEL SHALL BE FIXED WITH WIREMESH. THE MAIN HOLE COVER SHALL BE PAINTED & MARKED WITH RESISTANCE OF THE EARTH.
2. ALL THE DIMENSIONS ARE IN MILLIMETRES.

CHAUHAN	MAY2016
DRN BY	DATE

ALL INDIA RADIO
P & D UNIT
NEW DELHI

DRG. No. TM-16599

Scanned by CamScanner

V. Arul
30/12/25
वी. अरुल
सहायक अभियंता
V. ARUL
Assistant Engineer

Specification for copper plate earthing

A) Specification:

1. "Copper plate earthing of size 600 X 600 X 3mm (electrolytic) shall be tightened by Brass nuts & bolts using spring washer & brazed with copper strip of size 25mm X 3mm (pure electrolytic), Plate should be embedded to minimum depth of 3500mm. The GI pipe (TATA, JHINDAL/BANSAL/SAIL make) of 40mm dia. Of 3000mm length should be vertically fitted in to the earth pit and may be used only for pouring water (not for electrode). An alternate layer of charcoal and salt may be provided all around the pipe up to copper plate. 02 Begg (25kgs each) of Bentonite should be added to enhance conductivity. The GI pipe should have continuous hole of 12mm dia. Zig zag at a regular spacing of 150mm from bottom of the pipe up to 2000mm height (as shown in the drawing enclosed). Masonry work of earth pit should be done with proper watering system. **Earth resistance should be below 1.0 Ω .** The details of materials required are given here under:-
 - a. Copper plate of size 600mm X 600mm X 3mm (pure electrolytic)---- 01 No.
 - b. Copper strip of size 25mm X 3mm (pure electrolytic) -- As per requirement.
 - c. Copper strip of size 40mm X 6mm (pure electrolytic) X 3000mm length- 01 No.
 - d. Bolts & Nuts with Washers and spring washers (Brass) ----As per requirement.
 - e. GI pipe of size 40mm dia. & 3000mm length ---01 No.
 - f. CI pit cover 12" X 12" size with MS angle frame provided with hinge-- 01 No.
 - g. All other materials are required as per drawing attached.(Works should be carried out as per drawing No. TM-16599 (copy enclosed).
- B) Copper strip:** Supply & laying of 25x3mm size copper strip should be PVC insulated.

Drawing of Earthing provided in the separate sheet Drawing no: TM 16599.

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27/12/25
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