



प्रसारभारती / PRASAR BHARATI

भारतीयलोकसेवाप्रसारक/ INDIA'S PUBLIC SERVICE BROADCASTER

अपरमहानिदेशक(अभि.) (द.क्षे) काकार्यालय/ O/o. ADDL. DIRECTOR GENERAL (E)(SZ)

आकाशवाणीएवंदूरदर्शन / ALL INDIA RADIO & DOORDARSHAN

स्वामीशिवानंदासालै, चेन्नई / SWAMY SIVANANDA SALAI, CHENNAI – 600 005

No. ADG(E)(SZ)/AIR/INST/IO-64 /2022-23/P

Date: 01.12.2022

To,

Sir,

SUB:- SITC of GI Pipe Earthing at 5Nos of AIR 100 W FM Stations - Bagalkot, Sirpur Khagaznagar, Ramagundam, Alagadda and Devarakonda.

Sir,

Sealed quotations are invited for the following mentioned works at **AIR 100 W FM Stations** at Bagalkot, Sirpur Khagaznagar, Ramagundam, Alagadda and Devarakonda as per following:

S NO.	Description of work	Quantity	Unit Rate	Total Amount
1	SITC of GI Pipe Earthing as per specification stated in Annexure-I at following 5 Nos of AIR 100W FM Stations. 1.Bagalkot(Karnataka) 2.Sirpur Khagaznagar(Telangana), 3.Ramagundam(Telangana), 4.Alagadda(Andhra Pradesh) 5.Devarakonda (Telangana) Note: All Materials will be supplied by the firm.	1) 2Nos 2) 2Nos 3) 2Nos 4) 2Nos 5) 2Nos		
			TOTAL	
			GST	
			GRAND TOTAL	

1)Consignee:-

1. Installation Officer, AIR 100 W FM, B T D A Compound,Vidyagiri, Kaladagi, Bagalkot, Karnataka- 587102
2. Installation Officer, AIR 100 W FM, Doordarshan Relay Centre, Railway Station Road, Sirpur, Kagaz Nagar, Telengana-504296
3. Installation Officer, AIR 100 W FM, PTS, NTPC post- Jyothinagar, Ramagundam, Telengana-505215
4. Installation Officer, AIR 100 W FM, MPDO office compound, Alagadda, Kurnool Dist. Andhra Pradesh- 518502
5. Installation Officer, AIR 100 W FM, Opp. Forest Office, MPDO Complex, Devarkonda, Nalgonda Dist. Telengana-508248

2)Delivery Period : Work should be completed within 60 days from the date of Work Order.

3) Payment terms : 100% of will be paid on satisfactory completion of the work.

4)Eligibility Crieteria : Firm should have carried out similar work in Govt departments in the past 3 years. Certificate in this regard be enclosed.

5) Eligible Bidders may send their Bids to Director(E), Room No 207, O/o Additional Director General(E), AIR & TV, Swamy Sivananda Salai, Chennai – 600005 on or before 2 PM on 20.12.2022. Bids will be opened at 2:30 PM on 20.12.2022. Bids should be marked on the Cover ' SITC Of GI Pipe Earthing System at 5 LPTV stations'.

6)General terms and conditions:

i)The bidder shall carryout the works with utmost care, not to damage any existing equipment. Bidder will be held responsible for any damages caused to property of AIR during the execution of the work and shall make good such damages at his own cost.

ii) All the safety precautions are to be ensured and safety tools/equipment are to be brought by the contractor.

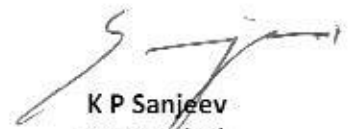
iii)The contractor is liable to compensate the department for any damages to All India Radio property or personnel during the execution of work.

iv) This office does not take any responsibility for any mishap which may occur to him or any of his personnel/equipment during the course of work.

v)The undersigned has the right to accept or reject the quotation /quotations without assigning any reason.

6) The quotation should be valid for a period of 6 months from the date of opening them.

Yours faithfully



K P Sanjeev
Director(E)

O/o The ADG (E) SZ, AIR & DD
Chennai-5

Annexure – I

**Specifications for SITC of Earthing at AIR 100W FM ,Bagalkot,Sirpur
Khagaznagar,Ramagundam, Alagadda and Devarakonda**

A) Scope : The scope of work in this tender includes Supply, Installation and Commissioning of GI Pipe Earthing at following Places as indicated.

1. **LPTV,Bagalkot** (Karnataka)
i)GI Pipe Earthing: 2Nos.
2. **LPTV,Devarakonda(Telangana)**
i)GI Pipe Earthing: 2Nos
3. **LPTV,Ramagondam** (Telangana)
i)GI Pipe Earthing: 2Nos.
2. **LPTV,Sirpur Khagaznagar(Telangana)**
i)GI Pipe Earthing: 2Nos

B) Detailed Specification of Copper Pipe and GI Pipe Earthing:

I)The location of the Earth Pits will be identified by the Installation Officer.

II) At Each of the places, 2Nos of **GI pipe Earthing** has to be carried out as per following:
2 Nos of Class C GI Pipe earthing has to be carried out for 25KVA DG. One of the Earthing will be connected to Neutral and the other one to body of the DG. These two earthing's have to be routed to DG Platform with copper strip of size 25mm x 3mm with high insulation PVC sleeve underground 450mm below Ground Level.

III) Specification of GI pipe Earthing:

Sl. No.	Description	AIR Specification
1	Removal of Earth from Ground Level & digging of Earth Pit.	Size of Earth Pit: Appropriate Size Required for inserting GI Pipe
2	Supply & Installation of GI Pipe in the Earth Pit. & Laying of Earth Conductor. All Materials has to be supplied by the Tenderer	1) Heavy Duty, Class 'C', 50mm dia, 3 Mtr. length GI Pipe is to be provided with continuous holes of 12mm dia, in Zig Zag fashion, spacing 15cm apart, starting from the bottom up to height of 3 Mtr. The GI Pipe should have clean surface, not covered by Enamel or Poorly conducting material. 2) Two Copper strips of size 25 x 3mm suitably brazed with each other at the Top and Bottom has to be properly fixed with the GI pipe at the top and Bottom with Steel Nuts and Bolts.
3	Filling of Earth Pit	The entire assembly of Copper Strips and GI Pipe has to be positioned inside the Earth pit and the Earth Pit has to be filled with Charcoal, sand & Salt alternatively (each layer 200 mm depth) up to the height of 3000 mm (from the bottom of the pit to the top). If terrain is rocky then they have to be filled with Bentonite.
4	Construction of Masonry Work	1) Masonry brick work of a height of 600mm has to be constructed with MS Angle Iron Frame at the top. A CI [Cast Iron] lid of size 12" x 12" with suitable handle and hinges is to be provided. 2) 50 mm cylindrical holes all around the concrete enclosure for seepage of water into the earth pits from surrounding area to be provided 3) 4" – 6" thick sand layer around the masonry work for facilitating ingress of filtered rain water to be provided.
5	Measurement of Earth Resistance.	After completion of the Earthing System, a complete set of Measurements have to be taken using standard Earth Megger in the presence of Installation Officer.

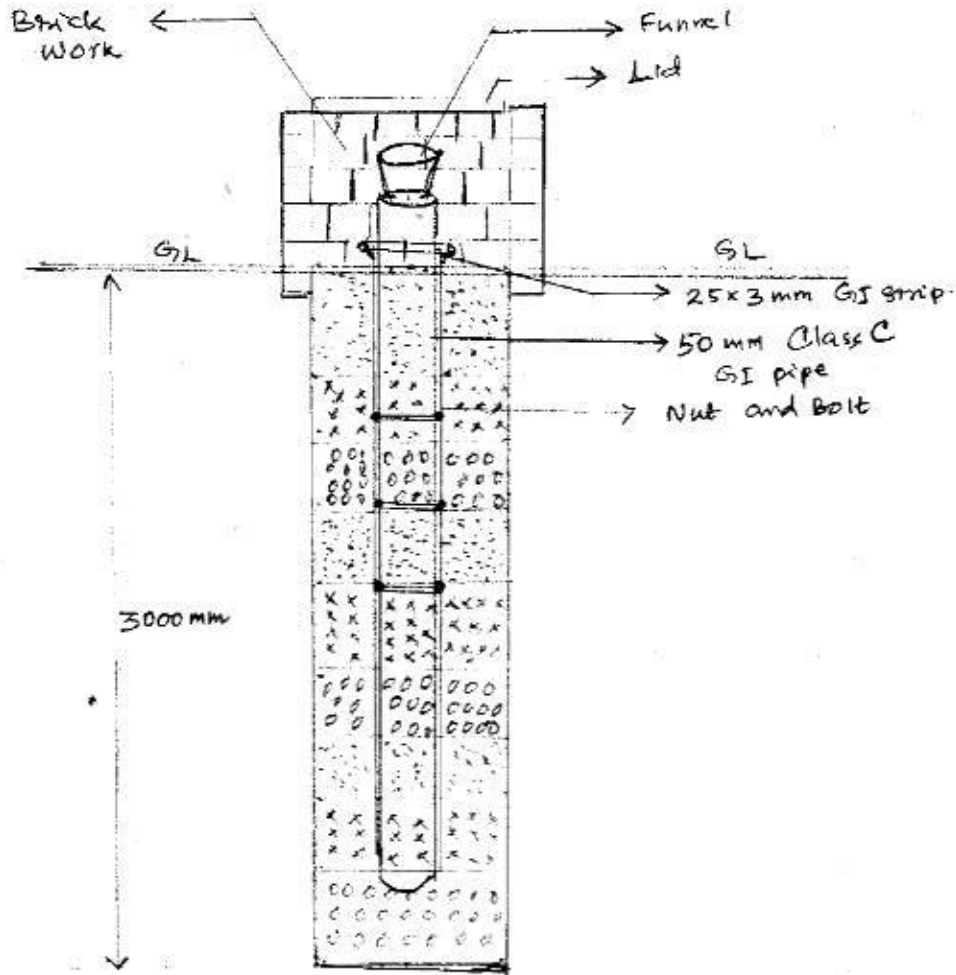
NOTE: All materials have to be supplied by Tenderer.

C) Guarantee / Warrantee: One years from the date of completion of the work.

D) Payment terms : 100% of will be paid on satisfactory completion of the work.

E) Eligibility Criteria :

- i. The bidder should have carried out SITC of Earthing in the past 5Years. Completion certificates of such works carried out for any Government Department/PSU's shall be enclosed in the Technical Bid.
- ii. Such works must have been directly carried out for clients; Works undertaken as subcontract will not be considered.



GI Pipe Earthing

