



प्रसार भारती  
( भारत का लोक सेवा प्रसारक )  
कार्यालय: अपर महानिदेशक अभियन्ता (उ.क्षे.)  
आकाशवाणी एवं दूरदर्शन



आठवां तल, सूचना भवन, सी.जी.ओ. कॉम्प्लेक्स, नई दिल्ली 110003

सत्यम् शिवम् सुन्दरम्

Dated: 08.10.2024

**Subject:** Draft Tender for Replacement of guy, painting of mast & earthing for 30 mtr guy mast at 100w FM AIR Jind (Haryana).

1. Bidders are requested to offer their feedback on the **Draft Tender** Specification of the upcoming tender.
2. Bidders are requested to provide information about percentage of Make in India content in the proposed requirement as per latest and updated DPIIT guidelines.
3. Bidders are requested to submit budgetary quote of the proposed requirements.
4. Bidders are requested to submit the above detail on or before due date by e-mail to [dirpur@gmail.com](mailto:dirpur@gmail.com) or at following address.

R.K.Singh  
Assistant Director (Engg.)  
Room No. 899,  
O/o ADG (E-NZ)  
Akashwani & Doordarshan,  
8<sup>th</sup> floor, CGO Complex,  
Sooschna Bhawan, New Delhi-110003

**Specification for:** Replacement of guy, painting of mast & earthing for 30 mtr guy mast at 100w FM AIR Jind (Haryana).

**Due Date to offer Comments:** 29.10.2024

**Enclosed:**

1. Budgetary Quotation form for Replacement of guy, painting of mast & earthing for 30 mtr guy mast at 100w FM AIR Jind (Haryana).
2. Specification for Supply of Replacement of guy, painting of mast & earthing for 30 mtr guy mast at 100w FM AIR Jind (Haryana).

  
(R. K. Singh)

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



प्रसार भारती  
PRASAR BHARTI  
भारत का लोक सेवा प्रसारक  
कार्यालय: अंतर महानिदेशक अभि. (उत्तरी क्षेत्र)  
Office of the Additional Director General (E) (NZ)  
आकाशवाणी एवं दूरदर्शन  
All India Radio & Doordarshan  
आदित्य चाल, धुवना मकान, सी.जी.ओ. कॉम्प्लेक्स, नई दिल्ली - 110003  
8<sup>th</sup> floor, Soochna Bhawan, CGO Complex, New Delhi-110003



File No. – 5(95)11/NIT-24/AIR-EP

Date: 08.10.2024

**Budgetary Quotation Form**

Computer No.: 249453

Project: 100w FM AIR Jind (Haryana).

Subject: Replacement of guy, painting of mast &amp; earthing for 30 mtr guy mast at 100w FM AIR Jind (Haryana).

Last date of receipt of budgetary quotation in this office: 29.10.2024 upto 12:00Hrs.  
Please read carefully the terms and conditions given the enquiry quotation form.

Sl.No.	Description	Qty	Rate	Amount
1.	Replacement of guy for guy mast with supply of Stainless steel Guy wire 10 mm of Usha martin or equivalent (300 mtr), misc G.I. Nut bolt, Thimble, D shackle, Tumbkle etc. to complete the replacement guy for 30 mtr guy mast at Jind (Haryana).	1 Job		
2.	Painting of 30 mtr Guy mast and tray with one coat of primer and two coats of final paints including material at Jind (Haryana) All India Radio FM site	1 Job		
3.	<p>Fabrication and construction of copper plate earthing details of electrodes &amp; earth pit as per given below:</p> <p>(i) Digging of pit of size: 1 mtr. x 1 mtr. x 3.5 mtr. (D) at hilly and rocky terrain</p> <p>(ii) Provided copper strip of 25 x 3 mm 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 size 600x 600x 3mm.</p> <p>(iii) Fixing the 10f t. long 38 mm dia G.I pipe 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.</p> <p>(iv) Placing the copper plate with pipe and strip into the pit</p> <p>(v) Filling of 80 kg charcoal, and 80 kg 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.</p> <p>(vi) Proper watering of the filled pit for initial charging of pits.</p> <p>(vii) 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.</p>	2 Nos.		



**Note:**

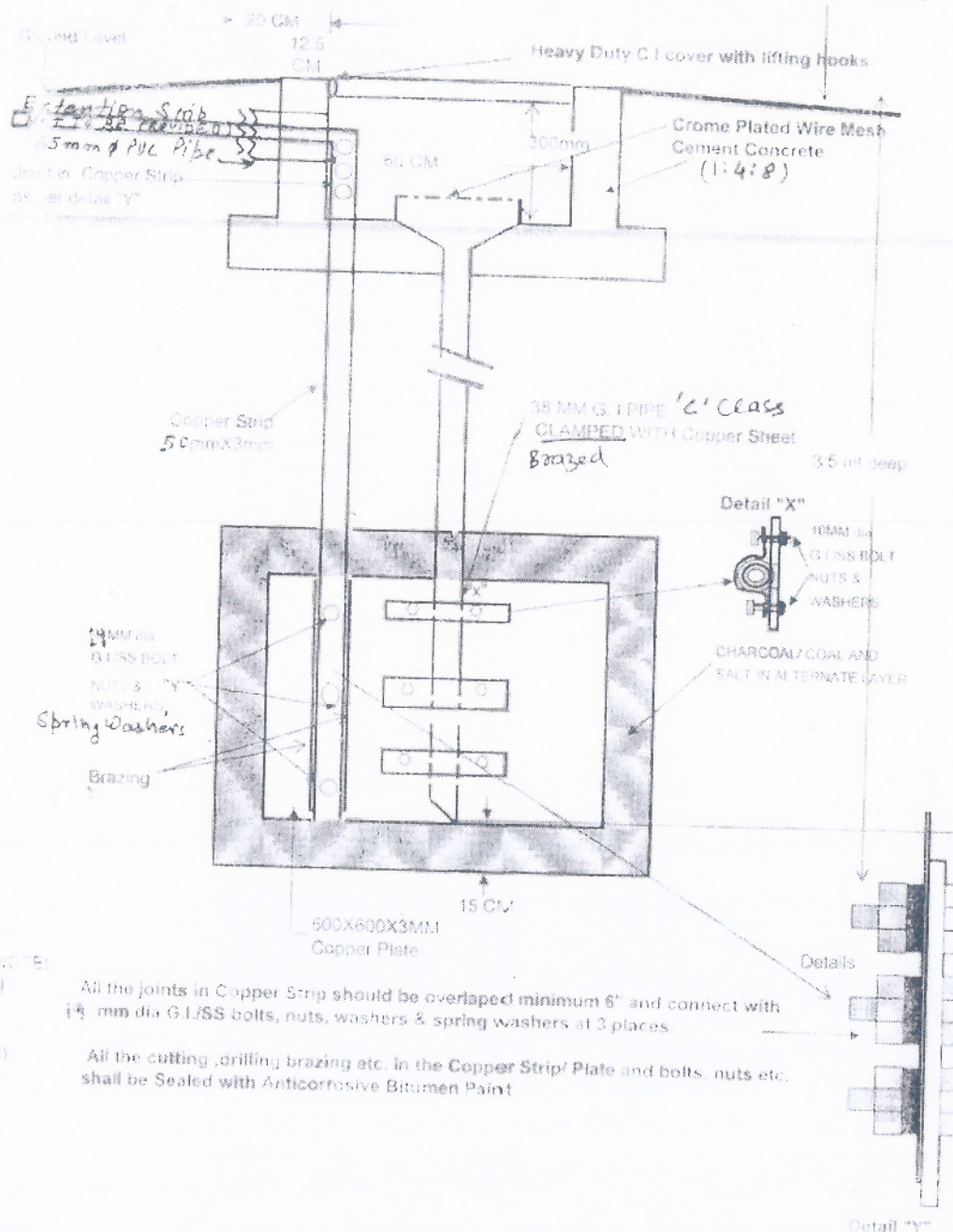
- 1) Quality of Material & Scope of work may increase or decrease as per actual requirement/constraints at site.
- 2) Please read carefully the terms and conditions given in this Quotation Form.  
It is required to list the prices/Rates separately for the following
  - a) GST No: .....
  - b) PAN No.....
- 3) **Delivery at:** at site Jind (Haryana)
- 4) **Consignee:** Installation officer, Jind (Haryana)
- 5) **Completion period:** Work is to be done within Two months from the date of order.
- 6) **Validity of Tender:** 90 days.
- 7) **Payment terms:**
  - a. 97 % Payment on completion of work/receipt of store in good condition.
  - b. Balance payment of 3% 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 & Doordarshan, New Delhi valid for guarantee period at least.
- 8) **Declaration:** We declare that all the conditions as given in this Quotation form have been read by us.

Name (in capital)\_\_\_\_\_

Seal: (Signature of the Tenderer)



# TYPICAL COPPER PLATE EARTHING



## NOTES:

- 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)

*[Handwritten signature]*



## Annexure I

### Supply and replacement of Guy wire:

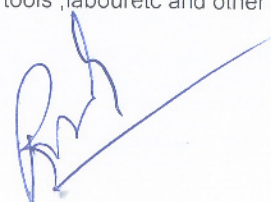
1. supply of Stainless steel Guy wire 10 mm of Usha martin or equivalent (300 mtr) with misc G.I. Nut bolt, Thimble, D shackle, Tumbkle etc. to complete the replacement guy for 30 mtr guy mast at Jind (Haryana) (30 mtr).
2. Replacement of Guy wire with proper care and safety.
3. Measurement of verticality and correction if required.

### **N.B:**

1. The work is to be carried out during Non-Transmission hours, with prior consultation and approval with the Engg. head.
2. All the tools required for the work should be provided by the contractor and shall not be loosely carried but in a bag.
3. Contractor is responsible for following the safety precautions of his men engaged in the work.
4. The contractor will indemnify and hold the indenter harmless against compensation if any due to unforeseen happenings during the execution of the work & he shall abide by the work compensations act in force.
5. The successful Contractor has to enter in to an agreement with this office on placement of work order and the work should be executed as per the agreement terms, procedure / specifications attached with the Work Order.
6. Insurance Charges: Contractor should provide insurance coverage for his workers at his own cost. The All India Radio shall not be responsible for any loss of life / property belonging to the contractor and shall not pay any compensation what so ever
7. Work insurance certificate for said work must be submitted to the Engg. Head before starting the work.
8. Only those Contractors who have done similar works are eligible and they have to submit a copy of similar past works along with completion certificate from the end user.
9. The contractor has to give their registration details in the quotation.
10. The Contractor is liable to pay for any property loss incurred to AIR during the work

### Painting of 30 mtr Guy mast

1. Inspection of Mast and tightening of all the nut-bolts of Guy mast.
2. Submitting report about rust & deformities in member of mast ( if any)
3. Scraping of old damaged paint with proper equipment/tools and cleaning all the dust particles. Before applying the primer coat the physical status will be checked by the IO./authorized departmental person.
4. After applying single coat of primer (Zinc chromate). The primer coat shall be allowed to dry for minimum 48 hrs before the applying next coat of paint.
5. Painting of mast along with tray with enamel paint of reputed make such as Berger/Asian/of approved shade & colour or as per previously painted shade job include with all the material, safety tools, labour etc and other item required for completion of job.
6. Repainting of Self supported 30 mtr guy & tray with one coat of primer and two coats of final paints including material
7. Painting material, brush etc supplied by firm. Scope of work for Painting 30 mtr guy.
8. All the personal working on mast should be insured. Firm shall be required to produce the insurance paper to the Work Supervisory Authority on demand.
9. The firm has to produce a list all such worker along with the address 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 Complex.
10. No chemicals of any kind whatsoever are to be used. The practice of mixing kerosene oil with paint is strictly forbidden.
11. The firm shall ensure that all the safety precautions are taken during the execution of Job like wearing of Helmets and safety belts etc
12. Scraping of old damaged paint with proper equipment/tools and cleaning all the dust particles.
13. Before applying The primer coat the physical status will be checked by the IO./authorized departmental person.
14. After applying single coat of primer (Zinc chromate). The primer coat shall be allowed to dry for minimum 48 hrs before the applying next coat of paint.
15. Painting of mast along with tray with enamel paint of reputed make such as Berger/Asian/of approved shade & colour or as per previously painted shade job include with all the material ,safety tools ,laboure etc and other item required for completion of job.





### Scope of work for Painting 30 mtr Guy Mast

1.	Name of Job	Painting of <b>30 mtr guy</b> at All India Radio FM site Jind (Haryana).
2.	Locations where guy mast painting is to be done along with the height and type is given the <b>Quotation form</b>	<b>30 mtr guy</b> at All India Radio FM site Jind (Haryana)
3.	Time allowed during the day for the painting	Subjected to the good visibility. Painting would not be carried out under the conditions in which water is liable to condense on the surface.
4.	Painting of guy mast	The mast should be painted in alternative bands of international orange and white terminating with orange band both at top and bottom. There should be no alteration or change in existing system of band.
5.	Preparation of surface	All dust, dirt grease and rust if any, should be thoroughly removed with soap or detergent. After degreasing and cleaning when the surface is dry, without too much delay a coat of zinc chromate primer shall be applied. The primer coat shall be allowed to dry for a minimum of 48 hours before application of next coat of paints.
6.	Coats of paint	Two coats of paints shall be applied. The first coat shall be allowed to dry for at least 48 hours before the second coat is applied. The painting coat of high quality exterior gloss paint shall be applied.
7.	Specifications for painting	The primer, paint and thinner used should meet the under mentioned specification. <b>IS-2074-1962: Ready Mix paint red oxide Zinc Chrome priming.</b> <b>IS-2932-1964: Synthetic enamel exterior type paint.</b> <b>IS-1745-1961: Petroleum Hydrocarbon Solvents (Thinner).</b> All the paints for the different coats shall be compatible with each other and shall be of the same make
8.	Type of painting	Brush Painting
9.	Compliance	A point-by-point compliance statement in respect of all the points laid down in scope of work including acceptance of all terms and conditions of tender papers.
10.	Liquidated damages	The successful bidder will be required to complete the work within six weeks from the date of work order. If the bidder is unable to complete the work within the stipulated time after placing the order for reasons not attributable to him, the authority will allow such additional time as he may consider justified without liquidated damage and without altering the terms and conditions of bidder to complete the work within the stipulated time or extended time, the authority has the right to impose a liquidated damage @ 1/2% of the work contract value per week or part thereof. The bidder's liability for delay, however, shall not exceed 10% of the total material value





11.	Paying Authority	The O/o ADG (E) NZ, Soochna Bhawan, CGO Complex, New Delhi-110003.
12	<b>NOTE</b>	
a.	All the personal working on mast should be insured. Firm shall be required to produce the insurance paper to the Work Supervisory Authority on demand.	
b.	The firm has to produce a list all such worker along with the address 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 Complex.	
c.	No chemicals of any kind whatsoever are to be used. The practice of mixing kerosene oil with paint is strictly forbidden.	
d.	The firm shall ensure that all the safety precautions are taken during the execution of Job like wearing of Helmets and safety belts etc.	

### Annexure II

(i) Successful bidder shall ensure that all the works are carried out as per schedule of work in time. All the mast climbers should be provided with ISI standard safety belt and men at work site should be provided with safety helmets by the tenderer. In case of any mishaps at site, AIR will not be responsible for any lapse in safety.

(ii) Should any defects be noticed in the workmanship and/or workmanship of any material supplied by the bidder, within the guarantee period it shall be carried out by the tenderer free of cost to the consignee. All India Radio shall inform the tenderer about the defects noticed. On receipt of such intimation, the supplier shall depute their personnel to investigate the cause of defects and to attend the problem immediately. Taxes and duties of any kind what ever imposed by the authorities shall be borne by the tenderer. Dismantled material including tools/materials required for works shall be the sole responsibility of contractors even though these are stored inside AIR premises till handing over to station

(iii) The contractor shall insure his men while working at AIR site, against any injury, accidents death etc. Similarly, the equipment, instruments, tools etc., belonging to the contractor shall be insured against damage, loss, theft etc. The contractor shall identify and hold harmless the purchase against all claims in respect of injury to any person however arising out of the work in the course of such installation. The contractor shall discharge his entire obligation under the Indian Workmen Compensation Act in a sit affects workmen in his employment.

(iv) The contractor is responsible for the safety of AIR's Inspectors while on Inspection of tower at the AIR site against any injury, accidents, death etc, due to poor workmanship or inferior material supply, at no extra cost to AIR.





**GENERAL TERMS AND CONDITIONS FOR SMOOTH EXECUTION OF WORK AT SITE: -**

1. All Tools, plants, implements, winch machine, labour and supervisors, as required, to be provided by the bidder. Bidder has to provide necessary insurance of the labour at his own cost before commencing the supply. Proper safety measure to be adhered by the bidder in respect of materials and manpower.
2. Other working systems should not be damaged causing disruption of ongoing Transmission. Any damage caused to the property at site while carrying out the work has to be made good by the Bidder at his own cost.
3. The bidder shall complete and include all minor/major items and accessories which may not have been enumerated in this scope of supply but which are useful and necessary for completion of supply at his own cost.
4. Prior approval of the purchaser, in writing, shall be obtained, if the bidder desires to sublet or assign any section of the work associated with supply. Such permission of consent shall not, however discharge the bidder from his liabilities in this contract or any part thereof.
5. The bidder shall make his own arrangements for the storage of materials and their safe custody at site for the entire SUPPLY.
6. Bidder shall repair all damages to the purchaser's building, property, equipment etc. whatsoever arising from the project and in the course of such supply and throughout the period during which the safety of property of the purchaser is guaranteed.
7. The bidder shall indemnify and hold harmless the purchaser against any claims in respect of damages to building, property situated nearby, not belonging to the purchaser, how-so ever arising in course of such supply and throughout the period of guarantee.
8. The bidder shall discharge all obligations under the Indian workmen's compensation act, any local, state laws and regulations in so far as it affects the workmen in his employment. All the workman/labours employed/hired for the work should be covered with applicable insurance for any injury, accident/death and also all the applicable labour laws should be followed by the contractor including their payment and wages.
9. The bidder shall make his own arrangement for employing labour (skilled & unskilled) and shall make his own arrangement for providing accommodation for his workmen at site or elsewhere.
10. The bidder shall hold the purchaser and his employees safe, harmless and immune from any liability that may arise out of infringements of patents and copyright associated with design, fabrication and modification supply as applicable.
11. The Scope of supply tendered are available in the complete bid documents which can be viewed / downloaded free of cost from e-tender portal.

