



PRASAR BHARATI
(INDIA'S PUBLIC SERVICE BROADCASTER)
OFFICE OF THE ADDL. DIRECTOR GENERAL (E)(WZ)
ALL INDIA RADIO & DOORDARSHAN
PRATISHTHA BHAVAN, 3RD FLOOR
101 M. K. ROAD, MUMBAI-400 020



ENGP : (200 kW MW TR, AHMEDABAD MAST) /11TR/WO:15/2019-20/ Dt.12.12.2019

Schedule of Acceptance of Tender NO. ENGP : (200 kW MW TR, AHMEDABAD MAST) /11TR/2018-19/ 11th Plan for Miscellaneous repairs/ renovation works of self radiating 200kW MW mast at AIR, Ahmedabad

1. Name & Address of the Contractor **M/s.Mark Integration And Technology Solutions LLP,**
205, VardhmanSunrize Plaza, 1- Local Shopping Centre,
Vasundhara Enclave,
New Delhi - 110096
info@markintech.com
2. Name of the Indentor /Purchaser **Prasar Bharati,**
Additional Director General (E)(WZ),
All India Radio & Doordarshan,
Pratishtha Bhavan, 101, M. K. Road Mumabi-400 020
GSTIN : 27AAAJP0288R2ZE
e-Mail –ddgairprojectwz@gmail.com
3. Name of ultimate consignee **All India Radio, Ahmedabad**
GSTN: 24AAAJP0288R2ZK
4. Supplier's offer/quotation No. & Date **On line quotation having bid control no 107706, submitted against this office tender No. ADG (E) (WZ)/AIR Project/ E-Tender/Mast/2018-19/Ahmedabad/02 dated 13-08-2019. for ₹. 43,63,404/- (forty three lakh sixty three thousand four hundred and four only).**
5. Description of the work

| क्रमसं ख्या S.No | विवरण Description | मात्रा Quantity | इकाई Unit | दरअंकोंमें पयेमें. Rate in Figures in Rupees | राशि Amount in Rupees |
|------------------------|---|--------------------|--------------|--|-----------------------------|
| 1 | Supply of Guy rope of size 22mm dia, Guy rope should be of GI 1770 grade and steel core as per IS : 6594 (CWR) of 6 X 19 construction conforming to IS : 2266 | 1650 | Meter | 816=00 | 1346400=00 |

| | | | | | |
|---|--|-----|----------|-----------|-----------|
| | (OEM) Original equipment manufacturers test certificate is mandatory. Pre-dispatch inspection is compulsory at OEM's work place. Guy wire rope – M/s Usha Martin make | | | | |
| 2 | Supply of Guy rope of size 19mm dia, Guy rope should be of GI 1770 grade and steel core as per IS : 6594 (CWR) of 6 X 19 construction conforming to IS : 2266 (OEM) Original equipment manufacturers test certificate is mandatory. Pre-dispatch inspection is compulsory at OEM's work place. Guy wire rope – M/s Usha Martin make | 550 | Meter | 780=00 | 429000=00 |
| 3 | Supply of Guy rope of size 16mm dia, Guy rope should be of GI 1770 grade and steel core as per IS : 6594 (CWR) of 6 X 19 construction conforming to IS : 2266 (OEM) Original equipment manufacturers test certificate is mandatory. Pre-dispatch inspection is compulsory at OEM's work place. Guy wire rope – M/s Usha Martin make | 850 | Meter | 624=00 | 530400=00 |
| 4 | Supply of accessories as given below i) Bulldog grips - 108 Nos. ii) Thimbles - 36 Nos. iii) Split pin - Lump-sum iv) Socket - Lump-sum v) Ferrules - Lump-sum vi) Nut bolt and fasteners - Lump-sum The items mentioned above should meet the IS specification as given below Thimbles-IS2315:1978 or revised Bulldog grips-IS 2361:2005 or revised Split pins-IS549:2005 or revised OEM test certificate is necessary along with the supply Accessories – M/s Wellworth wire ropes Pvt. Ltd | 1 | Lump sum | 72000=00 | 72000=00 |
| 5 | Labour charges for replacement of existing guy wire ropes with above supplied ropes as per existing arrangement on the MW Mast at Six levels (3 Nos of Ropes at each levels). Sufficient extra length of at least 6M has to be left at ground anchoring end. All existing guy insulators are to be re-utilized. If any insulator is found to be defective / damaged it shall be replaced by a new one, supplied by the department. All RF chokes will be replaced by new one, and same will be provided by AIR. Existing guy wire link termination at each of the guy insulators ends are to be replaced by identical ferruling type fasteners. Two Numbers of ferruling has to be done at each place. Ferule fasteners should be of Aluminium Alloy and as | 1 | Job | 600000=00 | 600000=00 |

| | | | | | |
|---|---|---|-----|-----------|-----------|
| | <p>per IS 10942:2000. All additional fastener materials like bolt, nut and split pin, bull dog grips, clamps etc used must be of hot dip galvanized only. Ferruling fasteners used in each guy section including the straining screw should be designed to withstand 80% of breaking load strength of main guy rope. Suitable locking arrangement also is to be made to avoid the slipping of ferruling and guy straining screw under storm condition by providing clamps as back up measures in addition to ferruling. A sample load test for 80% of breaking load strength of main wire for 03 metre test piece of all type of wire rope with one ferrule crimping is to be shown to the indenter.</p> <p>Complete guy wire assembly from Mast to Ground Anchoring has to be prepared on ground as per existing arrangement on Mast. After testing each of the guy wire for maximum tension, if possible, complete guy wire rope assembly have to be hoisted from the Mast to the ground. Provision shall be available to adjust at site the total length of each guy to take care of relative variations in the ground level at the mast end and guy anchor points as per actual conditions. At the Mast end the anchoring has to carry out using existing plates / arrangement on the tower. Before dismantling each of the guy wire rope, Poly Propylene Rope (25mm or 1 inch Dia) Garware make has to be hoisted between Mast and ground.</p> | | | | |
| 6 | <p>Painting: The Mast has to be painted with coastal climate Anti rust type special polymer paint. Mast has to be painted with 1 coat of poly Epoxy primer as per IS 5666 and 2 coats of Poly epoxy paint as per IS2932 in alternate bands of Orange and White as per Aviation Standard, and as per enclosed specification No.XTA-320,IX and Annexure IV</p> <p>Poly Epoxy primer- Reliable Paints make, RelietchP 501(PolivnylButyral Resin Base Etch Primer)</p> <p>Poly epoxy paint - Reliable Paints make, Relikyd F 401(Alkyd Base Finish Paint)</p> | 1 | Job | 420000=00 | 420000=00 |
| 7 | <p>Guy wire Tension has to be adjusted such that verticality of the mast is within the limit of 2 minutes of the arc subtended at the base of structure and the twist of the mast members will not exceed ½ degree/30 minutes. Verticality and twist are to be checked after repair by any IIT (Indian Institute of Technology) and corrective action to be taken if required. Detailed IIT report</p> | 1 | Job | 300000=00 | 300000=00 |

| | | | | | |
|--|---|--|--|--|------------|
| | of Verticality and Twist measurement of the mast after repairs is to be submitted to office | | | | |
| | Total | | | | 3697800=00 |
| | GST 18 % | | | | 665606=00 |
| | Grand Total | | | | 4363404=00 |
| (Rupees Forty Three lakhs sixty three Thousand four hundred four only) | | | | | |

| | | |
|----|------------------------------|--|
| 6 | Conditions of the contract | The Contract will be governed by Terms and conditions of Tender enquiry No. ADG (E) (WZ)/AIR Project/ E-Tender/Mast/2018-19/Ahmedabad/02 , dated 13-08-2019 and subject to further correspondence. |
| 7 | Place of work | All India Radio, Transmitting Centre, Bareja, kheda, district Ahmedabad (Gujarat). |
| 8 | Head of Accounts | 4221 -AA1(3)(2) EQUIPMENTS, Replacement of 2 X 100 kW MW Transmitters by 200 kW AM-DRM Transmitter under 11 th Plan. |
| 9 | Security Deposit | In terms of clause 4 of "General Terms & Conditions of the tender" you were required to submit a sum ₹.2, 18,170/- (₹. Two lakhs eighteen thousand one hundred and seventy only) as security deposit for due performance of this contract. The security deposit has been furnished by you in the form of Bank Guarantee No. IPBG05631900006, dated 04/12/2019 for ₹.2,18,170/- (₹. Two lakhs eighteen thousand one hundred and seventy only) issued by Corporation Bank, Vasundhara Enclave, New Delhi-96. |
| 10 | Schedule of activities | A detailed and comprehensive schedule of activity to be under taken for the miscellaneous repairs/ renovation works of self radiating 200kW MW mast is to be submitted to ADG (E)(WZ) Mumbai office well in advance. |
| 11 | Work completion period | Work shall be completed within Four Months from the date of placement of order. |
| 12 | Return of replaced material: | The rusted/damaged/defective/removed material such as RF chokes, bulldog grips, thimbles, turnbuckles, split pins, fastners etc. which are to be replaced by new one, are to be handed over to the AIR station. |
| 13 | Guarantee/warrantee | a) The repair work shall be guaranteed for a period of two years. b) For this purpose, the guarantee period shall be counted from the date of completion certificate given by the Installation officer on site / Engineering head of the station. c) Various defects arising/reported within the guarantee period shall be rectified by at site by the tenderer free of charge. |
| 14 | Terms of Delivery | Free delivery at site. The firm will arrange to receive the equipment at site. The purchaser shall however provide storage space to the contractor for storing the equipment on the clear understanding that |

such storage is being arranged at the risk of the contractor. The storing & safety of dismantled material including tools; materials required for works shall be the sole responsibility of contractors even though these are stored inside AIR premises.

15 Particulars governing work

- 1) As per tender specifications, firms offer and further correspondence.
- 2) Make and model as mentioned in the offer of the contractor.

16 **Inspection**

The contractor should satisfy that the stores are in accordance with the terms of the contract and fully confirm to the specifications by carrying out a thorough pre-inspection of stores before tendering to the inspecting Officer concerned as per the terms of the contract.

Pre-dispatch Inspection

The stores/material/equipment guy ropes of size 22mm dia, 19mm dia, 16mm dia, will be inspected by the indenter or his authorised representative at manufacturers work before dispatched as specified in specification and in accordance with standard specified in the tender. For Bulldog grips, thimbles, split pin, sockets, ferrules, nut and bolt and fastners OEM test certificate is mandatory. The material will be inspected at site by the indenter or his authorised representative. After getting clearance from the indenter or his authorised representative, the material can be used for mast repair work.

The contractor would arrange, approach the inspecting authority for pre dispatch inspection two weeks in advance of the actual date of inspection

- Inspection Authority
- Inspecting Officer
- Place of Inspection

The Additional Director General (E) (WZ), AIR & DD, Mumbai.

Authorized representative of "The Additional Director General (WZ), AIR & DD, Mumbai."

At supplier's/ Manufacturer's premises as per clause 09 of general terms and conditions of the tender(tender document page no. 6). Final inspection will be carried out at site by Installation Officer/ Representative officer of O/o Additional Director General (E) (WZ), AIR & DD, Mumbai-20.as per terms of tender.

Final Inspection

The contractor would arrange, approach the inspecting authority for inspection after completing the work as per order.

17 Paying Authority

The Additional Director General (E) (WZ), AIR & DD, Mumbai – 400 020.

18 Terms of Payment

The contractor shall intimate about the completion of work, well

before delivery period. A joint inspection (Zonal Office, Station concerned and contractor) will be carried out to assess the completion of work, before releasing payment.

100% payment will be released on satisfactory and successful completion of work at site. Further the contractor/supplier/firm should submit all the bank details such as:

- a. Name of the Bank
- b. Branch
- c. Account Number
- d. IFSC code
- e. MICR Code

along with their bill for online payment. Photostat copy of the cancelled cheque leaf may be enclosed..

19 Bills

Bills in triplicate in the name of Additional Director General (E) (WZ) All India Radio & Doordarshan, Mumbai along with order reference may be submitted to the Engineering Head of the concerned station.

Following details to be provided on the bill by default.

- 1) GST number of the firm.
- 2) GST number of consignee station AIR Ahmedabad.
(GSTN: 24AAAJ0288R2ZK)
- 3) Bank details of the firm (Account number, IFSC code and PAN number)
- 4) Revenue stamp.
- 5) Detail of security deposit submitted.
- 6) Delivery challan/GST e-way bill in original is to be attached to bills.
- 7) GST Amount and percentage need to be bifurcated as CGST, SGST & IGST accordingly with HSN / SAC Code.

20 Penalty for Delay/
Liquidated Damages

If the contractor is unable to complete the work within the stipulated time limit the purchaser may at his option allow such additional time as may be considered justified with /without penalty and without altering terms and conditions of the order **In the event of failure of the contractor to complete the supply, installation, testing and commissioning within the stipulated time or the extended time, the purchaser has the right to impose penalty of 0.5 per week or part thereof the contract price. The contractor's liability for delay, however, shall not exceed 5% of the total contract price of concerned delayed site.**

21 Income Tax

Income tax applicable will be deducted from bills as per scheduled rate.

22 Force Majeure Clause

If, at anytime during the continuance of this contract, the performance in whole or in part by either party of an obligation under this contract shall be prevented or delayed by reason or any war, hostility acts of public enemy, civil commotion, sabotage, fires, floods, explosions , epidemic quarantine, restrictions, strikes, lockouts

or acts of God (hereinafter referred to as events) and provided notice of happening of any such eventuality is given by either party to the other within 21 days from the date of occurrence thereof neither party shall reasons of such event be entitled to terminate this contract nor shall either party have claim for damage against the other in respect of such non-performance or delay in performance and delivery and the contract shall be resumed as soon as practicable after such events have come to an end or ceased to exist and the decision of Additional Director General (E) (WZ), AIR & DD, Mumbai –20. Is final as to whether the deliveries have been so resumed or not shall be final and conclusive.

23 Completion of the Contract

All items whether specifically mentioned or not but which are required to make a complete working of system and to ensure the safe and satisfactory operation is to be provided by the contractor without any extra charge. All appliances, apparatus, labour or material which may be necessary to complete the work in accordance with the indent or purpose of the specification shall be considered to be in the scope of work of the contract and shall be furnished without extra cost and if fully described and called for in these specifications and shown in the drawings.

24 Insurance

- a. The contractor shall arrange for the insurance covering the risk during transit storage and installation till commissioning.
- b. The contractor shall take insurance for his men while working at AIR site against any accident, death, etc. Similarly equipment's, instruments, tools etc. belonging to the contractor shall be insured against damage, loss, theft etc. All the charges for such insurance shall be borne by the contractor. Contractor has to submit the insurance details to the installation officer after which only, his men will be allowed to work on the masts.
- c. The mast will be insured for Rupees 4.5 crores. It includes mast and its accessories like mast base insulator, guy insulators, RF chokes, guy ropes etc. The period of insurance will be the period of actual work till completion & handing over to the station plus one month. To be submitted before the start of the work.
- d. The contractor shall insure safety of two AIR Inspectors for ₹ 25,00,000/- each, while on Inspection at the AIR site against any injury, accidents, death etc, at no extra cost to AIR. To be submitted before the start of the work.

25 Other Conditions

As contained in tender documents. In addition the contract would govern by the following conditions:

In case where only a portion of the stores ordered is presented for inspection at the fag end of the delivery period and also in case where inspection is not completed in respect of the portion of the stores tendered for inspection during the delivery period, the purchaser reserves the right to cancel the balance of the quantity not tendered for inspection within the delivery period for the acceptance of tender to him. If the stores tendered for the inspection during the fag end of the delivery period are not found acceptable after carrying out

inspection, the purchaser is entitled to cancel the contract in respect of the same at the risk and expense of the contractor. If however, the stores tendered for inspection are found acceptable, the purchaser may grant an extension of the delivery period subject to the following conditions: -

- a) That the purchaser reserves the right to recover from the contractor liquidated damage on the stores which the contractor has to deliver within the delivery period fixed for delivery.
- b) That no increase in price on account of any statutory increase in or fresh impositions of custom duty, excise duty livable in respect of the stores specified in the acceptance of the tender shall be on such of the said stores admissible as are delivered after the date of delivery stipulated in the acceptance of tender.
- c) That notwithstanding any stipulation in the contract for increase in prices on any other ground, no such increase which takes place after the date of delivery stipulated in the acceptance of tender shall be admissible on such of DP stipulated in A/T.
- d) But nevertheless, the purchaser shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty, sales tax or on account of any other tax or duty or on any other ground stipulated in the price variation of the delivery stipulated in the acceptance of tender.

Contractor shall not dispatch the stores till such time an extension in terms of para - a to d above is granted by the purchaser and accepted by the supplier. If the stores are dispatched by the supplier before an amendment regarding extension is issued by the purchaser and same are accepted by the consignee the acceptance of the stores shall be deemed to be subject to the conditions a to d set out in paragraph above.

All India Radio & Doordarshan will not arrange the tools and equipment's required for carrying out this work. The contractor shall arrange at his own risk & cost necessary tools and labour following local rules.

The contractor/s is/are not to vary or deviate from the drawing, Specifications or instructions or execute any extra work of any kind whatsoever unless upon the authority of the Additional Director General (E) (WZ) / Deputy Director General (E) to be sufficiently shown by an order in writing or by any plan or drawing expressly given and signed by him as an extra or variation or by any subsequent written approval signed by him. If compliance with the Additional Director General (E) (WZ) / Deputy Director General (E) aforesaid order plan or expense beyond involved execution of the contract works, then unless the same were issued in consequence of some breach of this contract on the part of the contract, the latter shall be entitled to be paid thrice of the said work (to be valued as hereinafter provided) and/ or the expense aforesaid.

The Additional Director General (E) (WZ) / Deputy Director General (E) has full power to require the removal, from the premises, of all

materials which in his opinion are not in accordance with the specifications and in case of default, the Addl. Director General (E) (WZ) / Deputy Director General (E) to be at liberty to employ other person or remove the same without giving answerable or accountable for any loss or damage that may happen or arise and have the full powers to require other proper materials to be substituted there and in case of default the Additional Director General (E) (WZ) / Deputy Director General (Engg.) may cause the same to be supplied and all costs which may attend such removal and substitution are to be borne by the contractor/s.

If in the opinion of the Additional Director General (E) (WZ) / Deputy Director General (E) any of the works have been executed with improper materials or defective workmanship the contractor /s is / are when required by the Additional Director General (E) (WZ) / Deputy Director General (E) forthwith to re-execute the same and to substitute proper materials and workmanship and in case of default of the contractor's in so doing within a week the Additional Director General (E) (WZ) / Deputy Director General (E) is to have full power to employ other persons to re-execute the work and the cost thereof shall be borne by the contractor/s.

The contractor shall intimate about the completion of work, well before delivery period. A joint inspection (Zonal Office, Station concerned and contractor) will be carried out to assess the completion of work, before releasing payment.

Since the transmitter is operational, the repairing works normally can be taken up between 2330Hrs and 0500 Hrs. Therefore the work shall be carried out in co-ordination with the concerned Engineering Head, Installation officer, and Office of ADG(E) WZ ,AIR & DD, Mumbai.

During the work the contractor will follow all safety Rules & take Electrical Safety measures.

26 Arbitration of Contractual Disputes

If any dispute arises out of or in connection with the contract or in respect of any defined legal relationship associated therewith or derived there from the parties agree to submit that dispute to arbitration under ICADR Arbitration Rule, 1996.

The authority to appoint the arbitrator(s) shall be international center for Alternative dispute resolution. The international center for Alternative Dispute Resolution will provide administrative services in accordance with the ICADR Arbitration Rules 1996.

a. The number of arbitrator(s) shall be one who has legal as well as technical background.

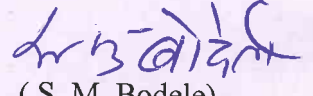
b. The place of arbitration proceeding shall be Mumbai

27 Cancellation

The Purchaser reserves the right to cancel the order in the event of non-performance/delay in execution of the work or unsatisfactory performance by the contractor and recover payment already made if

any along with losses/damages incurred.

- 28 All correspondence should indicate not only the work order number but also the value of the contract



(S. M. Bodele)

Director (Engg.)

For Additional Director General (E) (WZ)

To,
M/s.Mark Integration And Technology Solutions LLP,
205, VardhmanSunrize Plaza, 1- Local Shopping Centre,
Vasundhara Enclave,
New Delhi - 110096

Copy to :

1. Deputy Director General (By name :Shri S.K. Sinha) All India Radio, Navrangpura Ahmedabad-380009 (Gujarat).
2. The Installation Officer, (Kind atten: Shri. Yogesh Mitthankhediwale, AD(E)), All India Radio, Navrangpura Ahmedabad-380009 (Gujarat).
3. The Installation Officer, (Kind atten: Shri. P. Gopinath, AE), All India Radio, Navrangpura Ahmedabad-380009(Gujarat)
4. The Director General (By name Shri: Murugan , DDG (E-Estimate), All India Radio, P&D Unit, AkashvaniBhavan, Parliament Street, New Delhi – 110 001.
5. The Director General (By name Shri Jitendra Pruthi , DDG(E-TD/MW), All India Radio, Planning & Development unit, Akashvani Bhavan, Parliament Street, New Delhi – 110 001.
6. The Accounts Section, O/o ADG (WZ), AIR & DD, Mumbai –20.
7. Budget Section, AIR Project (By Name: Shri. Harish, AE), O/o ADG (WZ), AIR & DD, Mumbai –20.
8. Project Folder.
9. PB website

FOR Additional Director General (E) (WZ)