



प्रसार भारती/ PRASAR BHARATI

भारत का लोक सेवा प्रसारक/ INDIA'S NATIONAL PUBLIC SERVICE BROADCASTER  
आकाशवाणी महा निदेशालय/ DIRECTORATE GENERAL: ALL INDIA RADIO  
योजना और विकास एकक आकाशवाणी भवन, संसद मार्ग, नई दिल्ली-110001  
P & D UNIT, AKASHVANI BHAWAN, SANSAD MARG, NEW DELHI-110001  
[क्रय अनुभाग/ PURCHASE SECTION]



No. 01(34)11/NIT-32/2019-D(P)/ 1568

Dated: 08.08.2019

**Corrigendum/Addendum-I to NIT-32/2019**

The following amendments in tenders mentioned below are hereby authorized-

- A. Tender No. 12(36)01/FMTr/2019/D(P)/663/D(P-S)Cell - Supply of 100 W Digital Compatible VHF FM Solid-State MOSFET Technology Based Broadcast Transmitter in (1+1) configuration alongwith pre-wired Rack including Programme Input & Monitoring equipments and other associated equipments/ items.**
1. Para-wise comments / amendments to AIR Specification No. 100 W FM Tx./44/April/2019-D (TD/FM) are enclosed.
  2. Copy of drawing (part of specifications) for AIR Specification No. 100 W FM Tx./44/April/2019-D (TD/FM) is enclosed.
- B. Extension of tender submission / opening dates:**

Sl. No.	Tender Ref. No.	Description of Stores	Tender Submission Date (Online)		Tender Opening Date (Online)	
			FOR	READ	FOR	READ
1	12(36)01/FMTr/2019/D(P)/663/D(P-S) Cell	Supply of 100 W Digital Compatible VHF FM Solid-State MOSFET Technology Based Broadcast Transmitter in (1+1) configuration alongwith pre-wired Rack including Programme Input & Monitoring equipments and other associated equipments/ items.	20.08.2019 (02:30 PM)	<b>03.09.2019</b> <b>(02:30 PM)</b>	20.08.2019 (03:00 PM)	<b>03.09.2019</b> <b>(03:00 PM)</b>
2.	12(30)01/2019-D(P)/658/ D(P-S) Cell	Supply, Erection, Testing and Commissioning (SETC) of FM Combiners & RF Cables etc. at Jaipur	08.08.2019 (02:30 PM)	<b>27.08.2019</b> <b>(02:30 PM)</b>	08.08.2019 (03:00 PM)	<b>27.08.2019</b> <b>(03:00 PM)</b>

**Note:**

- The bid forms, General Instructions to Bidders and other details including amendments/ changes can be viewed/ downloaded from the website [www.tenderwizard.com/PB](http://www.tenderwizard.com/PB).
- Tender notice is also available on the AIR website [www.prasarbharti.gov.in](http://www.prasarbharti.gov.in), [www.allindiaradio.gov.in](http://www.allindiaradio.gov.in) (using the link: Tender) and CPP PORTAL on website <http://eprocure.gov.in>.

Encl: As Above.

08/08/19

(हृदेश कुमार/ Hirdesh Kumar)

उप निदेशक (अभि.)/ Dy. Director (Engg.)

कृते महा निदेशक आकाशवाणी/ for Director General: All India Radio  
E-mail: [depurchase@prasarbharati.gov.in](mailto:depurchase@prasarbharati.gov.in), Tele :-011-2342 1040

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**Subject: Specification for supply of 100 W Digital Compatible VHF FM Solid-State MOSFET Technology based Broadcast Transmitter in (1+1) configuration alongwith pre-wired Rack and other associated equipments/items -100 Places**

**Ref:**

1. M/s DB Elettronica SPA, Italy letter dated 10.07.2019 & M/s Falcon Technologies Pvt. Ltd. letter dated 11.07.2019 forwarded by Purchase Section vide note No. 01(34)11/NIT-32/2019-D(P) dated 15.07.2019
2. M/s COMCON Industries letter No. NIL dated 17.07.2019 forwarded by Purchase Section vide note No. 01(34)11/NIT-32/2019-D(P) dated 17.07.2019
3. M/s Shaf Broadcast Pvt. Ltd. letter No. Shaf/DG:AIR/100WFMTX/2019-001 dated 18.07.2019 forwarded by Purchase Section vide note No. 01(34)11/NIT-32/2019-D(P) dated 18.07.2019
4. AIR Specification No. 100 W FM Tx./44/April/2019-D (TD/FM)
5. FM Design Section Indent No. FM/2019/09 dated 20.06.2019

With reference to above, Following are the Para-wise comments/Amendments.

**M/s Falcon Technologies Pvt. Ltd.**

1. In case of 100 W Digital Compatible FM Transmitter in (1+1) configuration, since it is feasible to incorporate both 100 W Transmitters and all allied equipments including ACU, RF Coaxial changeover switch, Distribution Amplifiers, Automatic Audio changeover switch, Dummy load etc. in a single Rack, therefore only one Rack envisaged to ensure savings in cost as well as in space requirement. No separate PIE Rack is required in this case for housing of miscellaneous Audio equipments. This provision of single Rack is necessary for optimum implementation of Automation and Un-manned operation already planned in these 100W FM(1+1) Transmitters at 100 places. In past also in case of SETC of 100 W FM Transmitter in (1+1) configuration implemented by AIR, provision of only one Pre-wired Rack was kept.

In addition, these Racks and allied equipments are readily available globally. Moreover as per the detailed wiring diagram of Pre-wired Rack, there is requirement of professional wiring and also to ensure uniformity in installation of Transmitters across all Zones, this Pre-wired Rack is made part of AIR specifications.

**Hence, no change is required.**

**2. The clause 1.9 under Section 1.0 may be read as**

**1.9 DELIVERY PERIOD OF EQUIPMENT:**

i. For Indian Bidders:

Supply of all items in maximum two equal lots, at D-6 Godown, 6 Probyn Road, Mall Road, Delhi-54 will have to be completed within Five months from the date of Acceptance of Tender or four months from the date of the Decision Letter from WPC in respect of RF equipment, provided by AIR, whichever is later. The material of first lot shall be supplied within Four months from the date of Acceptance of Tender or Three months from the date of the Decision Letter from WPC in respect of RF equipment, provided by AIR, whichever is later.

ii. For Foreign Bidders:

Supply of all items in maximum two equal lots, will have to be completed within Four months from the date of Opening of Letter of Credit (LC). The material of first lot shall be supplied within Three months from the date of Opening of Letter of Credit (LC).

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*in place of*

1.9 DELIVERY PERIOD OF EQUIPMENT:

- i. For Indian Bidders:  
Supply will have to be completed within Three months from the date of Acceptance of Tender or Three months from the date of the Decision Letter from WPC (wherever is required) in respect of RF equipment, provided by AIR, whichever is later.
- ii. For Foreign Bidders:  
Supply will have to be completed within Three months from the date of Opening of Letter of Credit (LC).

3. The sub-clause (a) under clause 1.17 of Section 1.0 may be read as

1.17 TRAINING:

- a. OEM's Engineer(s) shall train total 30 (Thirty) AIR Engineers for 5 working days at Delhi to enable them to become acquainted with all particulars as well as installation, operation, maintenance, trouble shooting of the transmitter and associated equipments at no cost to AIR. However, AIR shall bear all touring expenses of AIR Engineers deputed for training and the same is not to be included by the tenderer in their offer.

*in place of*

1.17 TRAINING AT OEM'S WORKS:

- a. OEM(s) shall train a team of AIR Engineers for 5 working days at OEM's Works to enable them to become acquainted with all particulars as well as installation, operation, maintenance, trouble shooting of the transmitter and associated equipments at no cost to AIR. However, AIR shall bear all touring expenses of AIR Engineers deputed for training and the same is not to be included by the tenderer in their offer.

4. No change is required as it has already been addressed in point No. 1 as above.

M/s DB Elettronica SPA, Italy

1. In case of 100 W Digital Compatible FM Transmitter in (1+1) configuration, since it is feasible to incorporate both 100 W Transmitters and all allied equipments including ACU, RF Coaxial changeover switch, Distribution Amplifiers, Automatic Audio changeover switch, Dummy load etc. in a single Rack, therefore only one Rack envisaged to ensure savings in cost as well as in space requirement. No separate PIE Rack is required in this case for housing of miscellaneous Audio equipments. This provision of single Rack is necessary for optimum implementation of Automation and Un-manned operation already planned in these 100W FM(1+1) Transmitters at 100 places. In past also in case of SETC of 100 W FM Transmitter in (1+1) configuration implemented by AIR, provision of only one Pre-wired Rack was kept.

In addition, these Racks and allied equipments are readily available globally and there is no mandatory requirement for importing these Racks from India. Moreover, as per the detailed wiring diagram of Pre-wired Rack, there is requirement of professional wiring and also to ensure uniformity in installation of Transmitters across all Zones, this Pre-wired Rack is made part of AIR specifications.

**Hence, no change is required.**

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**2. The clause 1.9 under Section 1.0 may be read as**

**1.9 DELIVERY PERIOD OF EQUIPMENT:**

**i. For Indian Bidders:**

Supply of all items in maximum two equal lots, at D-6 Godown, 6 Probyn Road, Mall Road, Delhi-54 will have to be completed within Five months from the date of Acceptance of Tender or four months from the date of the Decision Letter from WPC in respect of RF equipment, provided by AIR, whichever is later. The material of first lot shall be supplied within Four months from the date of Acceptance of Tender or Three months from the date of the Decision Letter from WPC in respect of RF equipment, provided by AIR, whichever is later.

**ii. For Foreign Bidders:**

Supply of all items in maximum two equal lots, will have to be completed within Four months from the date of Opening of Letter of Credit (LC). The material of first lot shall be supplied within Three months from the date of Opening of Letter of Credit (LC).

*in place of*

**1.9 DELIVERY PERIOD OF EQUIPMENT:**

**i. For Indian Bidders:**

Supply will have to be completed within Three months from the date of Acceptance of Tender or Three months from the date of the Decision Letter from WPC (wherever is required) in respect of RF equipment, provided by AIR, whichever is later.

**ii. For Foreign Bidders:**

Supply will have to be completed within Three months from the date of Opening of Letter of Credit (LC).

**M/s COMCON Industries**

**1. (I) The clause 1.2 under Section 1.0 may be read as**

**1.2 INSPECTION:**

**1.2.1** Detailed inspection (PDI) of transmitters will be carried out by AIR Engineers, at OEM's Works in case of foreign bidder and in case of Indian bidder at Local Office/works of authorized representative/dealer of OEM in India, as per details given in Annexure-I.

**1.2.2** Call for Pre-dispatch Inspection (PDI) is to be given by the tenderer to All India Radio at least **4 weeks** in advance. **Total inspection period will be 6 working days against 100 Nos. of transmitters.** Testing/measurements reports as per approved ATP must be submitted to All India Radio alongwith the call for inspection of transmitters for analyzing etc.

**1.2.3** Expenses for inspection charges, if any, are to be quoted by the tenderer. The expenditure towards To and Fro journey, lodging, boarding & DA in respect of inspector(s) will be borne by AIR.

**1.2.4** The complete Acceptance Test Procedure/Protocol (ATP) will be prepared by the respective OEM and submitted to DDG (E-FM), P&D Unit, DG: AIR for approval within **15 days** of issue of Acceptance of Tender. ATP will also indicate full details of setup for measuring/testing equipments to be deployed during the performance measurements/inspection. The **approved ATP** shall form the basis for performance

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measurements/inspection to be carried out. AIR has the right to include other technical parameters in ATP submitted by OEM within the ambit of specification of the product offered.

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## 1.2 INSPECTION:

- 1.2.1 Detailed inspection of transmitters will be carried out at OEM's Works by representatives of DG: AIR as per details given in Annexure-I.
- 1.2.2 Call for Pre-dispatch Inspection (PDI) at OEM's Works is to be given by the tenderer to All India Radio at least **4 weeks** in advance. **Inspection period will be 5 working days.** Testing/measurements reports as per approved ATP must be submitted to All India Radio alongwith the call for inspection of transmitters for analyzing etc.
- 1.2.3 Expenses for inspection charges, if any, are to be quoted by the tenderer. The expenditure towards To and Fro journey, lodging, boarding & DA in respect of inspector(s) will be borne by AIR.
- 1.2.4 The complete Acceptance Test Procedure/Protocol (ATP) will be prepared by the respective OEM and submitted to DDG (E-FM), P&D Unit, DG: AIR for approval within **15 days** of issue of Acceptance of Tender. ATP will also indicate full details of setup for measuring/testing equipments to be deployed during the performance measurements/inspection at the OEM works. The **approved ATP** shall form the basis for performance measurements/inspection to be carried out. AIR has the right to include other technical parameters in ATP submitted by OEM within the ambit of specification of the product offered.

**(II) The Annexure-I, Inspection Details may be read as**

### INSPECTION DETAILS

The inspection for acceptance of the Transmitter with Automatic Changeover Unit on dummy load and prewired Rack including Programme Input & Monitoring equipments will be carried out by AIR Engineers, at OEM's Works in case of foreign bidder and in case of Indian bidder at Local Office/works of authorized representative/dealer of OEM in India, in accordance with Acceptance Test Procedure/Protocol (ATP). All facilities like complete set of measuring instruments, power supply, manpower etc. will be provided by the Manufacturer. Complete details and specifications of the transmitter will be checked and all parameter values will be measured.

The tenderer shall put up all the Transmitters with Automatic Changeover Unit and pre-wired Rack including Programme Input & Monitoring equipments for inspection, out of which 10 % randomly selected shall be inspected in details and measurements shall be taken. All the 10 % randomly selected transmitters shall be tested for 24 Hours continuously on dummy load. Rest of the 90% will be accepted on the basis of OEM's Test Certificate.

The tenderer is also required to demonstrate during PDI the compatibility of the FM transmitter for Digital Broadcasting (DRM+ OR HD Radio) on one of the Digital Compatible VHF FM Solid-State MOSFET technology based Broadcast transmitters. The tenderer is also required to provide additional equipments (if any) during PDI, to check the compatibility of the FM transmitter for Digital Broadcasting (DRM+ OR HD Radio).

During PDI testing/measurements including Operational & functional checking of the transmitter will be carried out on single phase, 230 Volt(rms)  $\pm 10\%$ , 50 Hz  $\pm 4\%$  power supply available at the transmitter's input circuit breaker without any outside transformer unit etc. No other voltage will be acceptable to AIR at the transmitter's input circuit breaker and failing which the transmitter equipment is liable to be rejected.

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The technical facilities/equipment for varying within  $\pm 10\%$  of 230 Volts(rms), single phase should be available for testing/measurements including Operational & functional checking of the transmitter during the inspection (PDI). The performance of transmitter as per parameters in Section-3.0 shall be guaranteed without degradation with the given power supply tolerances.

Exhaustive checking and measurements will be carried out so as to completely check the compliance of the transmitter and including Programme Input & Monitoring equipments as projected in the specifications.

It is mandatory that testing/measurements including operational & functional checking of all the transmitters and measurements as per parameters in Section-3.0 at three different frequencies including operating frequency of the transmitter in the VHF Band i.e. 88 MHz to 108 MHz without change of components/settings/tuning are carried out well in advance. These must be submitted to All India Radio along with the call for inspection of transmitters well in advance for analyzing etc. These measurement details, graphical printouts, notes and figures must be available at the time of inspection (PDI).

All the spares ordered as per AT will be tested in actual circuit during PDI by Engineers of AIR.

Tenderer shall arrange for the photographs of inside of transmitter's cubicle which will be attached with the ATP/Inspection report.

Following information should also form part of above data which will also be checked during inspection (PDI) by AIR's representative.

1. Origin of Country, Make, Model and type of Transmitter with Automatic Changeover Unit, Pre-wired Rack including Programme Input & Monitoring equipments, accessories and spares.
2. Dimension of Transmitter, sub-units and accessories.
3. Working/operation of all sub-units and accessories.
4. System configuration check and completeness of Transmitter.
5. Checking meter readings and calibration.
6. Measurements of parameters as per specification.
7. Checking of control/protection system of Transmitter.
  
8. Checking of all power levels, meters, LCDs etc.
9. Measurement of levels in the whole AF and RF chain.
10. Checking of RF voltages on test points.
11. Interchangeability of sub-modules and PCBs.
12. Checking of spares, PCB's, modules for the respective transmitter.

*in place of*

### **INSPECTION DETAILS**

The inspection for acceptance of the Transmitter with Automatic Changeover Unit on dummy load and pre-wired Rack including Programme Input & Monitoring equipments will be carried out at OEM's Works by Engineers of All India Radio in accordance with Acceptance Test Procedure/Protocol (ATP). All facilities like complete set of measuring instruments, power supply, manpower etc. will be provided by the Manufacturer. Complete details and specifications of the transmitter will be checked and all parameter values will be measured.

The tenderer shall put up all the 100 Nos. of Transmitters with Automatic Changeover Unit and pre-wired Rack including Programme Input & Monitoring equipments for inspection, out of which 10 % (10 Nos.) randomly selected shall be inspected in details and measurements shall be taken. All the 10 % randomly selected transmitters shall be tested for 24 Hours continuously on dummy load. Rest of the 90%(90 Nos.) will be accepted on the basis of OEM's Test Certificate.

The tenderer is also required to demonstrate during PDI the compatibility of the FM transmitter for Digital Broadcasting (DRM+ OR HD Radio) on one of the Digital Compatible VHF FM Solid-State MOSFET technology based Broadcast transmitters. The tenderer is also required to provide additional equipments (if any) during PDI, to check the compatibility of the FM transmitter for Digital Broadcasting (DRM+ OR HD Radio).



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Testing/measurements including Operational & functional checking of the transmitter will be carried out at OEM's Works on single phase, 230 Volt(rms)  $\pm 10\%$ , 50 Hz  $\pm 4\%$  power supply available at the transmitter's input circuit breaker without any outside transformer unit etc. No other voltage will be acceptable to AIR at the transmitter's input circuit breaker and failing which the transmitter equipment is liable to be rejected.

The technical facilities/equipment for varying within  $\pm 10\%$  of 230 Volts(rms), single phase should be available at OEM's Works for testing/measurements including Operational & functional checking of the transmitter during the inspection. The performance of transmitter as per parameters in Section-3.0 shall be guaranteed without degradation with the given power supply tolerances.

Exhaustive checking and measurements will be carried out so as to completely check the compliance of the transmitter and including Programme Input & Monitoring equipments as projected in the specifications.

It is mandatory that testing/measurements including operational & functional checking of all the transmitters and measurements as per parameters in Section-3.0 at three different frequencies including operating frequency of the transmitter in the VHF Band i.e. 88 MHz to 108 MHz without change of components/settings/tuning are carried out well in advance. These must be submitted to All India Radio along with the call for inspection of transmitters well in advance for analyzing etc. These measurement details, graphical printouts, notes and figures must be available at the OEM's Works at the time of inspection.

All the spares ordered as per AT will be tested in actual circuit at OEM's Works by Engineers of AIR.

Tenderer shall arrange for the photographs of inside of transmitter's cubicle which will be attached with the ATP/Inspection report.

Following information should also form part of above data which will also be checked during inspection by AIR's representative at the OEM's Works.

1. Origin of Country, Make, Model and type of Transmitter with Automatic Changeover Unit, Pre-wired Rack including Programme Input & Monitoring equipments, accessories and spares.
2. Dimension of Transmitter, sub-units and accessories.
3. Working/operation of all sub-units and accessories.
4. System configuration check and completeness of Transmitter.
5. Checking meter readings and calibration.
6. Measurements of parameters as per specification.
7. Checking of control/protection system of Transmitter.
8. Checking of all power levels, meters, LCDs etc.
9. Measurement of levels in the whole AF and RF chain.
10. Checking of RF voltages on test points.
11. Interchangeability of sub-modules and PCBs.
12. Checking of spares, PCB's, modules for the respective transmitter.

**(III) The S. No. 7 & 8 of Schedule of requirements/materials (un-priced) under Section-5.0(A) may be read as**

7.	Inspection charges (PDI), if any, as per AIR specifications.			
8.	Technical Manuals (for Installation, Testing, Commissioning, Operation, Maintenance & Service, including theory of operation, circuit description and fault diagnosis) <b>COLOUR</b> printed and duly bound for 100 W Digital Compatible VHF FM Solid-State MOSFET technology based Broadcast transmitter in (1+1) configuration, Automatic Changeover Switch, RF Coaxial Changeover Switch, Automatic Audio Changeover Switch, pre-wired rack including Programme Input & Monitoring equipments, dummy load and associated equipments/items alongwith soft copy on CD & Inspection Report of the inspection (PDI) carried out, as per distribution given below.			-

*Signature*

*Signature*

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*in place of*

7.	Inspection charges at manufacturer's works of transmitter as per AIR specifications.			1 Lot
8.	Technical Manuals (for Installation, Testing, Commissioning, Operation, Maintenance & Service, including theory of operation, circuit description and fault diagnosis) <b>COLOUR</b> printed and duly bound for 100 W Digital Compatible VHF FM Solid-State MOSFET technology based Broadcast transmitter in (1+1) configuration, Automatic Changeover Switch, RF Coaxial Changeover Switch, Automatic Audio Changeover Switch, pre-wired rack including Programme Input & Monitoring equipments, dummy load and associated equipments/items alongwith soft copy on CD & Inspection Report of the inspection carried out at OEM's works as per distribution given below.			-

**2. The clause 1.9 under Section 1.0 may be read as**

**1.9 DELIVERY PERIOD OF EQUIPMENT:**

**i. For Indian Bidders:**

Supply of all items in maximum two equal lots, at D-6 Godown, 6 Probyn Road, Mall Road, Delhi-54 will have to be completed within Five months from the date of Acceptance of Tender or four months from the date of the Decision Letter from WPC in respect of RF equipment, provided by AIR, whichever is later. The material of first lot shall be supplied within Four months from the date of Acceptance of Tender or Three months from the date of the Decision Letter from WPC in respect of RF equipment, provided by AIR, whichever is later.

**ii. For Foreign Bidders:**

Supply of all items in maximum two equal lots, will have to be completed within Four months from the date of Opening of Letter of Credit (LC). The material of first lot shall be supplied within Three months from the date of Opening of Letter of Credit (LC).

*in place of*

**1.9 DELIVERY PERIOD OF EQUIPMENT:**

**i. For Indian Bidders:**

Supply will have to be completed within Three months from the date of Acceptance of Tender or Three months from the date of the Decision Letter from WPC (wherever is required) in respect of RF equipment, provided by AIR, whichever is later.

**ii. For Foreign Bidders:**

Supply will have to be completed within Three months from the date of Opening of Letter of Credit (LC).

**3. The sub-clause (a) under clause 1.17 of Section 1.0 may be read as**

**1.17 TRAINING:**

a. OEM's Engineer(s) shall train total 30(Thirty) AIR Engineers for 5 working days at Delhi to enable them to become acquainted with all particulars as well as installation, operation, maintenance, trouble shooting of the transmitter and associated equipments at no cost to AIR.

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However, AIR shall bear all touring expenses of AIR Engineers deputed for training and the same is not to be included by the tenderer in their offer.

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1.17 TRAINING AT OEM's WORKS:

a. OEM(s) shall train a team of AIR Engineers for 5 working days at OEM's Works to enable them to become acquainted with all particulars as well as installation, operation, maintenance, trouble shooting of the transmitter and associated equipments at no cost to AIR. However, AIR shall bear all touring expenses of AIR Engineers deputed for training and the same is not to be included by the tenderer in their offer.

4. The sub-clause (I) & (V) under clause 4.3.2 Mechanical of Section 4.0 may be read as

- (i) Construction Details: The rack shall be sturdily constructed from anodized aluminum extrusion sections of suitable size fastened to form framework properly reinforced with stiffeners, suitably welded. The front side of the rack shall be open for mounting equipments. The rear side of the rack shall be provided with a single leaf, hinged removable type door and handle with latching arrangement. The sides should be covered with panels which can be screwed to the frames. These panels should be reinforced with stiffeners. The Racks shall have holes for grouting bolts on the bottom plate. The thickness of the sheet used for sides of the rack and door shall be 1.6mm and 1.3mm respectively. The overall dimensions of the rack may be approximately 1500 mm (H) × 600 mm (W) × 700 mm (D).
- (v) Finish of the Rack: The inside and outside of the rack shall be powder coated (dark grey matt finish).

*in place of*

- (i) Construction Details: The rack shall be sturdily constructed from aluminum extrusion sections of suitable size fastened to form framework properly reinforced with stiffeners, suitably welded. The front side of the rack shall be open for mounting equipments. The rear side of the rack shall be provided with a single leaf, hinged removable type door and handle with latching arrangement. The sides should be covered with panels which can be screwed to the frames. These panels should be reinforced with stiffeners. The Racks shall have holes for grouting bolts on the bottom plate. The thickness of the sheet used for sides of the rack and door shall be 1.6mm and 1.3mm respectively. The overall dimensions of the rack may be approximately 1500 mm (H) × 600 mm (W) × 700 mm (D).

- (v) Finish of the Rack: The inside and outside of the rack shall be spray painted with dark grey after necessary anti rust treatment.

**M/s Shaf Broadcast Pvt. Ltd.**

**1&2. The clause 1.9 under Section 1.0 may be read as**

1.9 DELIVERY PERIOD OF EQUIPMENT:

- i. For Indian Bidders:

Supply of all items in maximum two equal lots, at D-6 Godown, 6 Probyn Road, Mall Road, Delhi-54 will have to be completed within Five months from the date of Acceptance of Tender or four months from the date of the Decision Letter from WPC in respect of RF equipment, provided by AIR, whichever is later. The material of first lot shall be supplied within Four months from the date of Acceptance of Tender or Three months from the date of

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the Decision Letter from WPC in respect of RF equipment, provided by AIR, whichever is later.

ii. For Foreign Bidders:

Supply of all items in maximum two equal lots, will have to be completed within Four months from the date of Opening of Letter of Credit (LC). The material of first lot shall be supplied within Three months from the date of Opening of Letter of Credit (LC).

*in place of*

1.9 DELIVERY PERIOD OF EQUIPMENT:

i. For Indian Bidders:

Supply will have to be completed within Three months from the date of Acceptance of Tender or Three months from the date of the Decision Letter from WPC (wherever is required) in respect of RF equipment, provided by AIR, whichever is later.

ii. For Foreign Bidders:

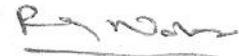
Supply will have to be completed within Three months from the date of Opening of Letter of Credit (LC).

3. No change is required.

4. No change is required.

5. **This is to be looked into by Purchase Section being commercial aspect.**

  
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06/02/2019



प्रसार भारती/ PRASAR BHARATI  
भारत का लोक सेवा प्रसारक/ INDIA'S NATIONAL PUBLIC SERVICE BROADCASTER  
आकाशवाणी महा निदेशालय /DIRECTORATE GENERAL: ALL INDIA RADIO  
योजना और विकास एकक आकाशवाणी भवन, संसद मार्ग, नई दिल्ली-110001  
P & D UNIT, AKASHVANI BHAWAN, SANSAD MARG, NEW DELHI-110001  
- [क्रय अनुभाग /PURCHASE SECTION]

No. 01(34)11/NIT-32/2019-D(P)/567

Dated: 08.08.2019

**Subject:** Clarification regarding Point No. 5 of M/s Shaf Broadcast Pvt. Ltd. letter No. Shaf/DG: AIR/100WFMTX/2019-001 dated 18.07.2019.

**Reference:** Tender No. 12(36)01/FMTr/2019/D(P)/663/D(P-S)Cell for the Supply of 100 W Digital Compatible VHF FM Solid-State MOSFET Technology Based Broadcast Transmitter in (1+1) configuration alongwith pre-wired Rack including Programme Input & Monitoring equipments and other associated equipments/ items.

This is regarding point no. 5 of M/s Shaf Broadcast Pvt. Ltd. as above referred letter. The MSME certificate enclosed by firm is for F category i.e. for services of Medium type of Enterprise.

As per instruction to bidders in NIT, it is mentioned that- "Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) or are registered with the Central Purchase Organisation or the concerned Ministry or Department or Startups as recognised by Department of Industrial Policy & Promotion (DIPP) for the items required in NIT shall be exempted from payment in respect of cost of Earnest Money as per the Government instructions on the subject on submission of documentary evidence of valid Registration."

"Policy is meant for procurement of only goods produced and services rendered by MSEs. However, traders are excluded from the purview of Public Procurement Policy."

हृदेश  
08/08/19

(हृदेश कुमार / Hirdesh Kumar)

उप निदेशक (अभि.) / Dy. Director (E)

कृते महा निदेशक आकाशवाणी /for Director General: All India Radio

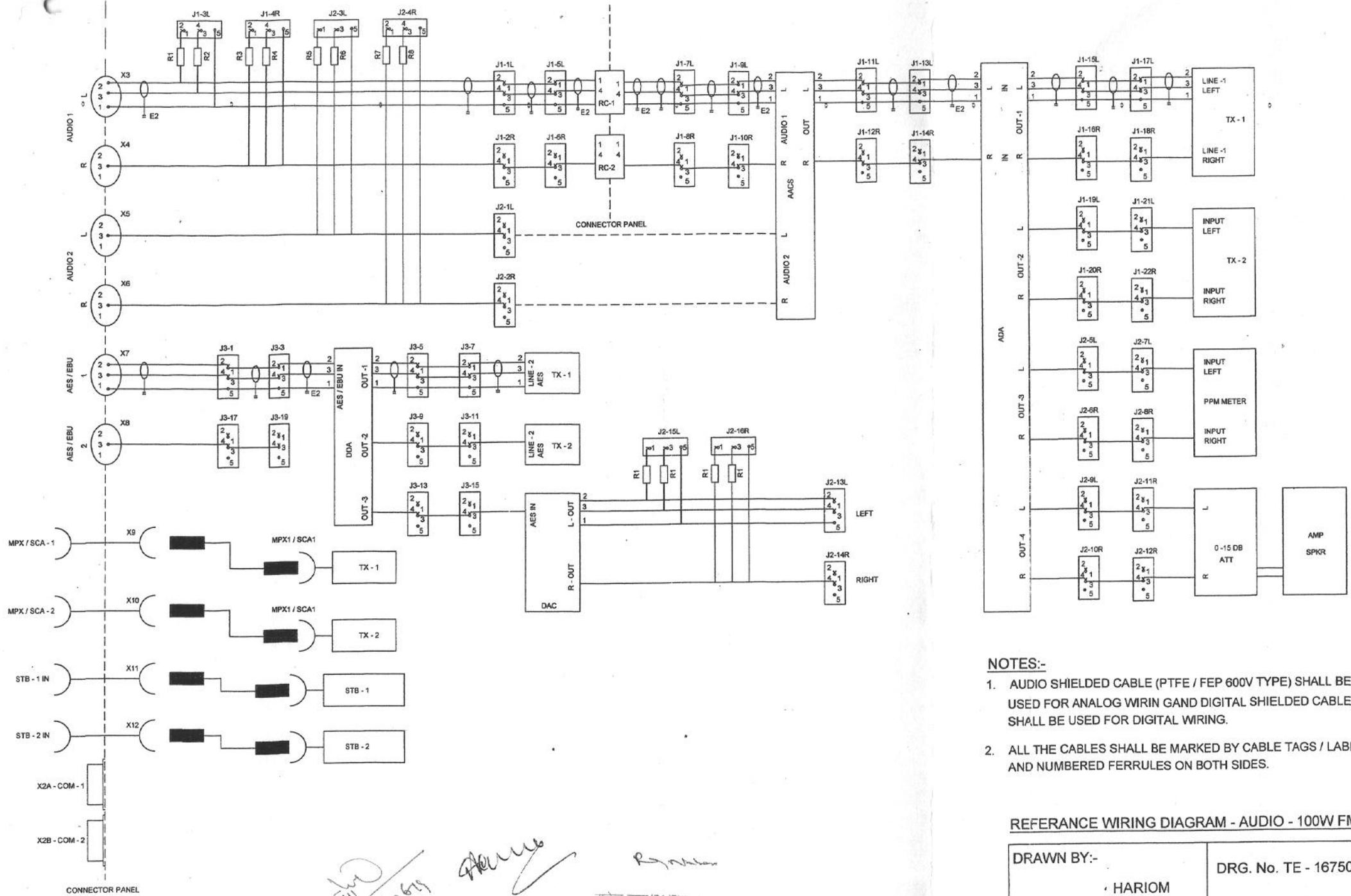
T/F: - 91 11 2342 1040

E-mail : [depurchase@prasarbharati.gov.in](mailto:depurchase@prasarbharati.gov.in)

To :

M/s Shaf Broadcast Pvt. Ltd. 206, Second floor, Ansal Chamber – II Bhikaji Cama Place, New Delhi – 110066 e-mail: [sales@shaf.in](mailto:sales@shaf.in), [kapil@shaf.in](mailto:kapil@shaf.in)

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**NOTES:-**

1. AUDIO SHIELDED CABLE (PTFE / FEP 600V TYPE) SHALL BE USED FOR ANALOG WIRING AND DIGITAL SHIELDED CABLE SHALL BE USED FOR DIGITAL WIRING.
2. ALL THE CABLES SHALL BE MARKED BY CABLE TAGS / LABELS AND NUMBERED FERRULES ON BOTH SIDES.

**REFERENCE WIRING DIAGRAM - AUDIO - 100W FM**

DRAWN BY:- HARIOM	DRG. No. TE - 16750
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*Handwritten signatures and dates:*  
 3/10/2006  
 HARIOM  
 RAJENDRA HIRY/RAJENDRA