



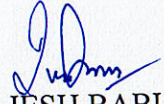
PRASAR BHARATI / प्रसार भारती
(INDIA'S PUBLIC SERVICE BROADCASTER) / भारत का लोक सेवा प्रसारक
DIRECTORATE GENERAL: AKASHVANI / आकाशवाणी महानिदेशालय
PLANNING AND DEVELOPMENT UNIT / योजना एवं विकास एकक
(Studio Design Section)

सं./No.J/93/2025/SD- Specification for Audio Workstations

दिनांक:Dated: 14.08.2025

Subject: Publication of Draft Technical Specification for Supply of Digital Audio Workstations at 47 Akashvani Stations for seeking Vendors/OEMs feedback and budgetary quote.

1. Technical Specification for supply of Digital Audio Workstations for 47 Akashvani Stations is being uploaded to invite feedback from the Vendors/OEMs dealing with Supply of such equipments. The interested parties are requested to provide comments/feedback on this technical specification.
2. Vendors/OEMs are also requested to provide availability of local content and percentage of local content in the offered equipment.
3. The budgetary price of the offered Digital Audio Workstations and associated equipment may also be submitted.
4. All these information may be provided by E-mail to "airstudiodesign331@gmail.com" on or before **31.08.2025**.


(RAJESH BABU)
Dy. Director General (E-SD)
For Director General
राजेश बाबु / Rajesh Babu
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PRASAR BHARATI / प्रसार भारती
(BROADCASTING CORPORATION OF INDIA) / भारतीय प्रसारण निगम
DIRECTORATE GENERAL: ALL INDIA RADIO / आकाशवाणी महानिदेशालय
PLANNING AND DEVELOPMENT UNIT / योजना एवं विकास एकक
(Studio Design Section)

Technical Specification for supply of Digital Audio Workstations

1. GENERAL

1.1 This specification is for Supply of Audio workstations at 47 Akashvani Stations.

1.2

- 1.2.1 The Hardware from OEMs having ISO certifications should only be offered. Hardware from hardware Integrators will not be accepted.
- 1.2.2 Workstation OEM should have authorized service centers in major cities across the country. List of Service Center along with their addresses, Telephone Numbers & E-mail addresses should be provided along with Tender Document.
- 1.2.3 Workstation OEM should have supplied atleast 600 workstations per annum in last three years.

1.3 All the quoted products should be of field proven technology & OEM of the product should be in business for at least last five years.

1.4 The tenderer must submit the following documents along with the tender:

- (a) A Clause-by-clause compliance statement as per format in Annexure-III, highlighting deviations, if any, on all the clauses of specification from OEMs of the offered products duly signed in original. If compliance statement is incomplete or in a format other than that in **Annexure-III**, the tender shall be rejected outrightly.
- (b) Detailed printed literature of the Hardware giving complete details of features and performance data.
- (c) The quote should either be from the OEM or from their authorized representative/dealer. In case, the quote is from the authorized representative/dealer, a certificate in original from the OEM that the tenderer is the authorized representative/dealer for India should be enclosed with the tender.
- (d) A copy of un-priced Bill of Material (BOM) as per Annexure-IV indicating make, model no. , **complete configuration details of offered hardware**, system software etc. shall be quoted clearly. Any tender, showing ambiguity in above terms shall be treated as incomplete and will be rejected.

1.5 The tenderer will be required to demonstrate the functions of the tendered offered during technical evaluation in New Delhi. The tenderer will be required to arrange all necessary software & hardware for demonstration during technical evaluation. The demonstration of the system will have to be conducted with-in one month from the date

of issue of Call letter which will be faxed/emailed on given telephone number/Email address. Non-compliance of demonstration within the stipulated time will disqualify the tender.

- 1.6 Incomplete offers will be rejected out rightly.
- 1.7 The supply of equipment at all the stations will have to be completed within **4 (four) months** after the placement of firm order.
- 1.8 Quoted Workstation model should not be reaching End of Life for next three years. An undertaking to this effect from Hardware OEM shall be submitted along with Tender Document.

2. SCOPE OF THE TENDER

- 2.1 The Scope of this tender is for supply of Digital Audio workstation.
- 2.2 The equipment shall be supplied to the concerned consignee directly. The list of consignees is given at Annexure-I
- 2.3 The Bill of Material giving item-wise requirement is given at Annexure-II.

3. HARDWARE SPECIFICATION

3.1 Hardware Requirements

- 3.1.1 The hardware as per Bill of Material (Annexure-II) shall be supplied at various Akashvani stations listed in Annexure-I.
- 3.1.2 The hardware should be able to operate on 230 V +/- 10% V, 48-52 Hz, single phase AC power supply.
- 3.1.3 All the drivers for hardware shall be supplied along with hardware.
- 3.1.4 **Anti-virus software shall be licensed to “Akashvani”. OS may either be Factory (Hardware OEM) preloaded (with Recovery Media/Disk) or Licensed to “Akashvani”.**
- 3.1.5 Operating Environmental conditions: The equipment shall be able to work without any problem in the following conditions:
 - Operating Temperature: From 10° C to 40° C
 - Operating Humidity : Up to 80% RH (non-condensing) at 30° C.
- 3.1.6 Storage Environmental conditions: The equipment should be able to withstand the following conditions while being stored:
 - Storage Temperature : From -10° C to 65° C
 - Storage Humidity : From 5 to 95% humidity.
- 3.1.7 The system shall be used in the vicinity of high frequency & high Power Radio field. Therefore, the system shall conform to the protection requirements relevant to electromagnetic phenomena as per national/international standards.

3.2 Digital Audio Workstations

3.2.1 Quoted product should be a workstation model of OEMs having ISO certifications. Desktop model shall not be acceptable.

3.2.2 Computer workstations shall have the following minimum configuration.

A. Processor	8 Core, 22 MB Cache Memory Base Frequency 3.1 Ghz or better
B. Memory	1x16 GB DDR5, 4800 MT/s ECC Memory with 5 DIMM slots, Expandable upto 64 GB of ECC Memory
C. Hard Disk	2x1 TB SATA 10,000 RPM , 1 TB SSD for OS
D. Storage Controller	Integrated 4 Channel Storage Controller with 6 GBPS Ports
E. Graphics	Factory (Hardware OEM) Installed Graphics Card (Dual Display 16 GB NVIDIA/AMD Dual Graphics Port Card)
F. Display	Wide Aspect 24" TFT Display supporting Resolution of 1920x1200
G. Keyboard	Standard (same OEM as workstation)
H. Mouse	Optical scroll Mouse with min 1.5 meter of cable length (same OEM as workstation)
I. Networking Feature	Factory (Hardware OEM) Installed 10/100/1000 Ethernet Port: 2 Nos
J. Bays	4 Nos
K. PCI Slots	3PCI Express including 1 PCI Express x16 Gen 5
L. Ports	4 USB 3.0, 2 USB 2.0, RJ 45, Audio In, Audio Out
M. Optical Drive	DVD Writer
N. Networking Protocols	IPv4 & IPv6 should be supported
O. Operating System	Windows 11 Professional for Workstation
P. Cabinet	Mini Tower Toolless Chasis
Q. OS Certification	Windows Certification
R. Power Supply	Standard 230 V \pm 10% 750 Watt 80 Plus Gold or better. The tenderer shall submit document mentioning the wattage & efficiency of Power supply.
S. Safety Certification	FCC for EMI & UL for safety, EPEAT Gold Certified
T. Health Monitoring Software	Should be provided
U. Security	Integrated Panel /Pad lock/Chassis intrusion switch
V. Noise Emission	Noise Level should be below 30 db with Hard-Disk operating. The tenderer shall submit document mentioning the noise level.
W. Software	Anti-virus software (with Free Virus definition updates & patches for a period of three years), Remote Login & Collaborative tool software shall be provided.

4. PRE-DISPATCH INSPECTION

- 4.1 All the Hardware shall be put up for inspection in a lot. Out of the lot, 10% of workstations shall be randomly selected and inspected in detail. Rest of Hardware shall be accepted on the basis of OEM Test Certificates. Detailed inspection of (10% workstations) would comprise of complete testing as per Acceptance test Procedure (ATP). The pre-dispatch inspection shall be done by authorized representatives of Akashvani at supplier's premises in India before delivery. However, in case of FOB order, pre-dispatch inspection shall be carried out at OEM's premises.
- 4.2 An Acceptance Test Procedure (ATP) should be prepared by the tenderer and got approved from the indenter after the firm order is placed.
- 4.3 The tenderer will give a notice in writing to the indenter at least 4 weeks before the commencement of inspection. The tenderer shall provide all equipment, materials and manpower as may be required for performing various tests as per ATP. In case of inspection outside Delhi, the expenses on travel, accommodation and daily allowances for Akashvani's Inspecting Officers would **be borne by Akashvani**.

5. INSTRUCTION MANUAL

- 5.1 A softcopy of manuals on CD/DVD ROM Media shall also be provided to each consignee.

6. AFTER SALES SUPPORT

Comprehensive onsite warranty shall be provided for trouble free operation of Digital Audio Workstation for a period of three years from the date of supply. The warranty of workstation shall not be void if the cabinet of workstations is opened for insertion of Audio Card and Digital I/O Cards.

Annexure- I

Details of Workstations to be provided at various Akashvani Stations

S.No.	Consignee Station of Akashvani	Zone	Nos of Workstation
1.	Cuttack	East	4
2.	Kolkata	East	20
3.	Kurseong	East	8
4.	Patna	East	7
5.	Ranchi	East	9
6.	Aizwal	North East	6
7.	Dibrugarh	North East	5
8.	Guwahati	North East	4
9.	Imphal	North East	6
10.	Kohima	North East	2
11.	Shillong	North East	7
12.	Allahabad	North	3
13.	Bikaner	North	4
14.	Delhi (AIR HQ)	North	93
15.	Gorakhpur	North	4
16.	Jaipur	North	9
17.	Jalandhar	North	4
18.	Jammu	North	6
19.	Jodhpur	North	8
20.	Lucknow	North	20
21.	Rohtak	North	5
22.	Shimla	North	4
23.	Srinagar	North	7
24.	Varanasi	North	10
25.	Bengaluru	South	15
26.	Chennai	South	25
27.	Dharwad	South	12
28.	Hyderabad	South	11
29.	Kozikode	South	4
30.	Madurai	South	6
31.	Port Blair	South	6

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32.	Tiruchirapalli	South	10
33.	Thiruvananthapuram	South	9
34.	Vijayvada	South	13
35.	Ahmedabad	West	14
36.	Aurangabad	West	13
37.	Bhopal	West	10
38.	Bhuj	West	10
39.	Indore	West	11
40.	Mumbai BH	West	60
41.	Mumbai VBS	West	4
42.	Nagpur	West	12
43.	Panaji	West	12
44.	Pune	West	15
45.	Rajkot	West	12
46.	Rewa	West	10
47.	Vadodara	West	11
Total			560

Annexure –II

Bill of Material (BOM)

S. No.	Item	Total (Nos)	Remarks
1.	Digital Audio Workstations Spec. Ref. : 3.2	560	As per Annexure -I

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Annexure –III

Format of Compliance statement

S.No.	Para no. of AIR specification	Tenderer's solution		
		Complied (yes/no)	Offered Product	Remarks

Annexure –IV

Format for BOM statement by Tenderer

S.N o.	Item Details	Total Quantity	Tenderer's Offer		
			Make	Model/Module Name /Version Number	Complete Details of Offered product

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