File No. J/96/2025-STUDIO DESIGN – Replacement of Analog Console

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/96/2025/SD- Replacement of Analog Consoles दिनांक:Dated: 25.07.2025

Subject: Publication of Draft Technical Specification for Supply of Digital Production Console and Digital Switching-Transmission Console at 68 Akashvani Stations for seeking Vendors/OEMs feedback and budgetary quote.

1. Technical Specification for supply of Digital Production Console and Digital Switching-Transmission Console for 68 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 Production Console and Digital Switching-Transmission Console and associated equipment may also be submitted.
4. All these information may be provided by E-mail to "airstudiodesign331@gmail.com "on or before **11.08.2025**.

(RAJESH BABU)
Dy.Director General(E-SD)
For Director General

राजेश बाबू / RAJESH BABU
उप महानिदेशक / DDG (E)
आकाशवाणी महानिदेशालय / DG : AIR
नई दिल्ली / New Delhi

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)

Technical Specification for Digital Production Console and Digital Switching-Transmission Console for 68 Akashvani Station

SECTION-I: GENERAL

1. Scope of Project

1.1 Supply of Consoles and Gigabit Ethernet Switches at the stations as per **Annexure-1**.

1.2 Installation, Testing and Commissioning (ITC) of Console at the stations by respective Zonal offices as per **Annexure-1**.

1.3 Features of the Digital Production Consoles, Transmission-Switching console & Audio Specifications are given in the Clause 1 & 2 of **Section-III**. Clause 3 of the **Section-III** deal with specifications of Gigabit Ethernet Switch.

1.4 In case, consoles have any non-standard connectors (other than XLR, D Type & Ethernet), necessary mating connectors shall be provided by the bidder.

2. Documents to be submitted with Tender Document

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

2.1 A Clause-by-clause full compliance statement in respect to specifications of Consoles (**Clause 1&2 of Section-III**) from the OEM of the offered Consoles.

2.2 In addition to above, a separate point by point compliance statement duly signed by the bidder in respect of all the points laid down in the specifications for all the equipment/item(s) should also be submitted along with the bid by the bidder.

2.3 Detailed printed literature of Consoles giving complete details of features and performance data on non-returnable basis to facilitate the technical evaluation.

2.4 Back to Back Support Commitment from OEM of Console for the period of five Years from the date of delivery to the consignees.

2.5 A copy of un-priced Bill of Material (BOM) indicating make, model no. , complete configuration details of offered hardware shall be quoted clearly.

3. Tender Evaluation

3.1 The tender shall be technically evaluated on the basis of conformity of bid to Technical specifications.

3.2 Technical evaluation shall be done on the basis of compliance statement, customer reference certificates, technical literature related to quoted products and demonstration of functioning of consoles.

3.3 The bids fully meeting technical specifications shall be considered technically fit.

4. Pre-Dispatch Inspection & Supply

4.1 All the Hardware would be inspected by the indenter before dispatch. The pre-dispatch inspection shall be done by authorized representatives of Akashvani at OEM's / supplier's premises before shipment.

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 prior notice in writing to the indenter 2 weeks before the date of inspection.

4.4 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 Inspecting Officers would be borne by Akashvani/ Prasar Bharati.

4.5 All the consoles shall be configured as per AIR requirement before PDI.

4.6 Pre-dispatch inspection would comprise complete testing including functional tests and various measurements of 10% of the equipment. Rest of the equipment shall be accepted on the basis of OEM Test Certificate in respect of measurement taken on the equipment.

5. Instruction Manual

One set of Maintenance/ Operation manuals of each hardware from OEM should be provided to each consignee. A softcopy of all manuals on CD/DVD ROM Media shall also be provided to each consignee, concerned zonal office and Akashvani Directorate.

6. Warranty & Maintenance

6.1 The Consoles shall be warranted for trouble free operation for a minimum period of five years from the dates of delivery to the respective consignees.

6.2 In case of failure of any equipment or its sub module within the warranty period, the tenderer will provide a replacement part to the consignee within a week from the date of reporting of failure. The station will replace the faulty part and test the whole equipment. The faulty part shall be sent back to tenderer at tenderer's cost after rectification of fault. However, if it is not possible to rectify the fault remotely or by replacement of module, Onsite support for Replacement / servicing / debugging of software/ reinstallation/ reconfiguring of software etc. should be provided by tenderer free of cost within a week from the date of reporting the fault.

6.3 No separate charges will be paid for visit of engineers for attending to faults and repairs or supply of spare parts during the warranty period.

6.4 The bidder will have to provide 99% of uptime at each station during the warranty period.

6.5 A Standard Operating Procedure (SOP) for rectification of faults shall be proposed by bidder as part of tender document to meet the 99% of uptime. The SOP shall be finalized by Akashvani in consultation with tenderer.

6.6 The performance security during warranty period shall be an amount equal to 10% of the cost of equipment.

6.7 The penalty for not providing replacement of faulty equipment or sub module within the specified period of time will be decided on outage period of the console. The amount of penalty shall be on pro rata basis with five years as the guaranteed life.

6.8 Tenderer will provide checklists of maintenance actions to be performed on daily, weekly and monthly basis. Tenderer will also extend assistance / help to Akashvani in issue of Guidelines /application note / procedure etc for administration & maintenance of the system from time to time.

SECTION-II: BILL OF MATERIAL

S. No.	Item/ Equipment	Quantity	Units	Remarks
1	**Digital Production Console** Spec. Ref. : Section-III-Clause 1&2	68	Nos	Station-wise List at Annexure-I
2	**Digital Switching Console** Specs Ref : Section-III-Clause 1&2	68	Nos	Station-wise List at Annexure-I
3	**Digital Transmission Console** Specs Ref : Section-III-Clause 1&2	67	Nos	Station-wise List at Annexure-I
4	**Gigabit Ethernet Switch for use with Audio Over IP (24 ports)** Specs Ref : Section-III Clause 3	68	Nos	Station-wise List at Annexure-I

SECTION-III: TECHNICAL SPECIFICATIONS

1. Features of Digital Production Consoles , Transmission – Switching Console

Sr. No	Specifications	Compliance	Reasons for Deviations (if any)	Details
1.1	**General Features of Consoles**			
1.1.1	The console shall be compact and ergonomically designed professional product and suitable for reliable operation on 24x7x365 basis working.			
1.1.2	It shall be housed in rust-proof pre-painted cabinet/Anodized Metal cabinet.			
1.1.3	The main electronics portion shall be in separate 19-inch rack mountable			

Sr. No	Specifications	Compliance	Reasons for Deviations (if any)	Details
	unit or it should be built-in within Fader surface. The Operational part (Containing Faders, Switches & Level Display etc.) of console i.e console Fader surface shall be suitable for Tabletop mounting. However, all the parts of console shall be from the same OEM.			
1.1.4	The layout of modules / parts / components in the console shall be professional to permit easy access to the wiring, inspection, repairs / servicing.			
1.1.5	Inputs, Outputs & other connectors shall not be on the working/Operating Area of the console.			
1.16	All switches / buttons / Selection Points operable by operator shall be sturdy and designed for reliable operation for long hours			
1.1.7	The controls for output bus assignment, channel on/off, monitoring level control, talkback & signaling etc. shall be appropriately located on the control surface of the console			
1.1.8	All selection points on the console surface shall have clear illuminated status indication or adjacent display for easy understanding			
1.1.9	Status Indications shall be provided for signaling, talk-back from other consoles, channel selection & PFL indication			
1.1.10	The controls meant for presenter/RJ like input source selection, output bus			

Sr. No	Specifications	Compliance	Reasons for Deviations (if any)	Details
	assignment, monitoring, talk-back, signaling etc shall be appropriately located on the console. All other controls shall be accessible only to the system administrator			
1.1.11	The faders on the console surface shall be long–throw (100 mm) and shall be of reputed make			
1.1.12	The console shall be totally self-contained and shall function on day to day basis without aid of (connecting to) external computer/Laptop. However, if required, the use of computer/laptop is allowed to upgrade the firmware and configure the console. Once configured, the console shall function as standalone device without being connected to any computer/Laptop. However, various operational features like channel routing, mix-minus, phantom ON/OFF, EQ, Gain, panning etc shall be available for system administrator.			
1.1.13	It should be possible to save & recall the configuration settings of console with appropriate interface screen & control port etc for future reloading by authorized user/administrator.			
1.1.14	The console should support at least two levels of users i.e. Admin & Operator. Admin user should only have power to change the configuration of the console.			
1.1.15	Operating Environmental conditions: The consoles shall be able to work without any problem in the following conditions:			

Sr. No	Specifications	Compliance	Reasons for Deviations (if any)	Details
	Operating Temperature: From 10º C to 40º C Operating Humidity: Up to 90% RH (non-condensing) at 30º C.			
1.1.16	The system shall be used in the vicinity of high frequency & high Power Radio frequency field. Therefore, the system shall conform to electromagnetic Standards as per relevant guidelines for protection requirements relevant to electromagnetic phenomena as per national/international standards.			
1.2	**Digital Parameters**			
1.2.1	The consoles shall have state-of-the-art digital circuitry.			
1.2.2	All the internal Audio Processing in the consoles shall be fully DSP (digital signal processing) based.			
1.2.3	A to D and D to A converters shall have minimum 24 bit resolution.			
1.2.4	Various Control Circuits in the console shall be digital and entire switching shall be through solid-state digital switches.			
1.2.5	All digital inputs and outputs shall conform to AES/EBU signal format.			
1.2.6	It should have 48 kHz sampling Rate as default. All analogue signals shall be digitized to default Sampling Rate. All Digital signals shall also be sample rate converted to default sampling rate.			
1.2.7	The console should have Internal Digital reference signal.			

Sr. No	Specifications	Compliance	Reasons for Deviations (if any)	Details
1.3	**Audio Inputs**			
1.3.1	**A) Production and Transmission Consoles** shall accept the Mono Mike, Stereo Line (Analogue) & Digital Audio Inputs. **B) Switching Consoles** shall accept the Stereo Line (Analogue) & Digital Audio Inputs.			
1.3.2	**For Production and Transmission Console** The microphone inputs shall be available on 3-pin XLR connectors. If the same is not available in XLR, suitable breakout for Balanced Signal shall be provided by bidder.			
1.3.3	The Analogue line level inputs and outputs & Digital AES inputs & outputs shall be balanced. These shall be available on balanced 3-pin XLR or on 'D' type connector or on RJ 45 connectors.			
1.3.4	**A) Digital Production Consoles** shall have at least 8 Mono Mike Inputs. **B) Digital Transmission Consoles** shall have at least 4 Mono Mike Inputs.			
1.3.5	**A) Digital Production Consoles** shall have a minimum 2 (Two) Stereo/4 (Four Mono) Line Inputs. **B) Digital Transmission Consoles** shall have 4 (Four) Stereo/8 (Eight Mono) Line Inputs. **C) Digital Switching Consoles** shall have all Stereo Line Inputs (Analog + Digital) with the option to select source as Mono/Stereo.			
1.3.6	All Consoles shall have minimum 2 (Two) AES Digital Line (Stereo) Inputs.			

Sr. No	Specifications	Compliance	Reasons for Deviations (if any)	Details
1.3.7	Each of the Mono Mike input shall have switchable Phantom Supply of 48 Volts DC. It should be possible to switch on or off the phantom supply using Control available on the fader surface of console or from configuration software.			
1.3.8	It should be possible to reverse the Phase of each of the Mike input source.			
1.3.9	It should be possible to route the Microphone input to Stereo Outputs using Pan Control on fader surface.			
1.3.10	It should be possible to re-balance the Stereo Analogue input to Stereo Outputs using Balance Control on fader surface.			
1.3.11	Digital Audio Input signal with sampling rates of 44.1 KHz, 48 KHz, 96 kHz and Bit rate of 16/24 shall be accepted.			
1.3.12	Console shall have a built-in Sampling Rate convertor on each Digital input so as to convert Digital Audio Signals of different sampling rate to default sampling rate.			
1.3.13	Console shall have two USB audio card interfaces with 2 USB connectors.			
1.3.14	Console shall have audio Bluetooth interface.			
1.3.15	Production Console shall have facility of Eco, Reverb, Equalization etc production tools. If the feature is not in-built, additional hardware for incorporating these features may be quoted.			
1.4	**Features of Input Faders**			

Sr. No	Specifications	Compliance	Reasons for Deviations (if any)	Details
1.4.1	Each Fader/Channel shall have Selection for routing/assigning any of the input to any of the four output program bus.			
1.4.2	Each fader shall fade in from infinity to zero to provide nominal output.			
1.4.3	Each Fader shall have facility of display in professional manner, where Name of input Source can be displayed.			
1.4.4	All Type of Digital Consoles shall have minimum 12 Faders .			
1.4.5	In case, the frame size (meeting the requirement of numbers of faders) is not exactly matching the requirement of input faders, higher frame size shall be offered.			
1.4.6	Fader start operation using GPIO shall be provided.			
1.5	**Audio Output (Logical/Bus)**			
1.5.1	Consoles shall provide four independent Audio Outputs after mixing various input sources as per various fader configurations selected by user			
1.5.2	Consoles shall provide at least two independent mix-minus/aux bus outputs (mono) for at least two input sources Accordingly, provision shall be made in at least two faders for mix-minus/aux selection for input sources connected to those faders.			
1.5.3	It should be possible to route any of above mentioned outputs to any physical Audio output.			
1.6	**Audio Outputs (Physical)**			

Sr. No	Specifications	Compliance	Reasons for Deviations (if any)	Details
1.6.1	All Consoles shall have 2 (Two) AES/EBU Digital Line (Stereo) physical Outputs.			
1.6.2	All Consoles shall have 4 (Four) stereo Analog Stereo Line physical.			
1.6.3	It should be possible to route any of Logical/Bus outputs to any physical Audio output.			
1.7	**Audio over IP (AES 67)(Dante/Ravenna)**			
1.7.1	Console shall have Audio over IP using AES67(Dante/ Ravenna).			
1.7.2	Console shall have Audio Over IP ports. Audio over IP port should support simultaneous transport of multiple Digital Audio Channels in both directions.			
1.7.3	Audio over IP port should support simultaneous transport of multiple Digital Audio Channels in both directions			
1.7.4	It should be possible to route any Input or Output (Logical/Bus output) to any other Console (installed in other studio) using Audio Over IP port.			
1.7.5	Various inter Studio outputs like Talkback, Console Outputs etc. shall travel between various Studios (MP Studio, Transmission Room & Control Room) over Audio Over IP.			
1.7.6	It should be possible to inter-connect all studios by running Ethernet Cables from Audio Over IP ports of each console to Audio over IP switch.			
1.8	**Monitoring Outputs, Pre-Fade Listening (PFL) & Headphone Monitors**			

Sr. No	Specifications	Compliance	Reasons for Deviations (if any)	Details
1.8.1	Two separate Stereo Analogue monitoring outputs of 0 dBu nominal level (with Maximum Level of +10 dBu) shall be available for monitoring on external speakers.			
1.8.2	In addition to above Monitoring outputs, an inbuilt or external PFL speaker (Mono) & a Headphone Monitoring output to monitor all input/output channels shall also be provided.			
1.8.3	It should be possible to monitor all inputs & (Logical/Bus) output channels on these monitoring outputs.			
1.8.4	Necessary Level control facility shall be available for these outputs.			
1.8.5	PFL, Talkback and one Monitoring Output should get muted on activation (Switching on/fading in) of one set of Microphone inputs (those installed in Same room as the console).			
1.8.6	Second Monitoring output should get muted on activation (Switching on/fading in) of second set of Microphone inputs (those installed in Recording Studio).			
1.8.7	Headphone outputs of Monitoring outputs shall not be muted by activation of microphones.			
1.9	**Talkback**			
1.9.1	Talk-Back facility with two other consoles installed in other rooms shall be possible.			
1.9.2	It should be possible to route Talkback to monitoring output (one providing Monitoring in the Recording Studio)			

Sr. No	Specifications	Compliance	Reasons for Deviations (if any)	Details
1.9.3	One of Announcer (RJ) mike shall be used as Talkback Mike also.			
1.10	**Metering**			
1.10.1	At least two pair of LED/LCD Level Meters shall be available to monitor the level of any of the output buses.			
1.10.2	These Meters shall show Audio Level (Separately for Left & Right of Stereo Audio Signal) in internationally recognized format i.e. PPM or VU.			
1.11	**Ethernet Port**			
1.11.1	Console should have Ethernet port for remote control & configuration purpose.			
1.12	**Signaling and Warning Lights**			
1.12.1	Console shall use either Physical GPIO ports or GPIO over Ethernet for configuring fader start/Stop operation signals as well as intimation of ON-AIR /Ready Signal to Studio/Control Room.			
1.12.2	Console installed in Control Room should automatically generate ON-AIR signal for Console (installed in Recording/Transmission Studio) when audio from that console is being Live Broadcast.			
1.12.3	Consoles should have sufficient GPIO/Relays which shall operate on the following conditions i) When any of Microphones installed in Recording studio is active ii) When any of Microphone installed in Recording			

Sr. No	Specifications	Compliance	Reasons for Deviations (if any)	Details
	Booth (where Console is installed) is active. iii) When ON-AIR signal from Control Room is active. iv) When any of the above three conditions is true. By operation of these GPIO/Relay, it shall be possible to glow warning Lamps.			
1.13	**Power Supply**			
1.13.1	The console shall work on 200-240V, 48-52 Hz single phase A.C. Supply.			
1.13.2	The power supply unit of the console shall be protected against overload, short circuit and over-voltage.			
1.13.3	The power supply of console (all the units of console) shall be convection-cooled and shall not incorporate any cooling fan.			
1.14	**Tone Generator**			
1.14.1	A 1 kHz Tone Generator for feeding Tone shall be available built-in in the consoles. In case, same is not available, a separate Tone Generator shall be provided.			
1.15	**Telephone Hybrid**			
1.15.1	The console shall have 2 Line Telephone/Mobile Connection interface which shall be PSTN or Mobile Bluetooth and same shall be available on at least 2 faders with bi-directional communication.			
1.15.2	Necessary interface PSTN inputs/Bluetooth shall be provided within the console.			

Sr. No	Specifications	Compliance	Reasons for Deviations (if any)	Details
1.15.3	In case, Telephone Hybrid interface is not available in console, a separate DSP based Telephone Hybrid as per above specification shall be provided by the bidder with sufficient input/output for the same available on console in addition to required Analog/Digital input output.			

2. Audio Specifications for both Digital Production Console and Digital Switching-Transmission Console

Sr. No	Specifications	Compliance	Reasons for Deviations (if any)	Details
3.1	**Mono Mike Inputs**			
3.1.1	Input Impedance : ≥ 2 K ohms balanced.			
3.1.2	Input Level range: Adjustable -60 dBu to 0 dBu (Ref. 0 dBu = 0.775V rms)			
3.1.3	Mic/Line Input Impedance : ≥ 2 K ohms balanced			
3.2	**Stereo Line (Analogue) Inputs**			
3.2.1	Input Impedance : ≥ 10 K ohms balanced			
3.2.2	Nominal Input Level : +0 dBu			

Sr. No	Specifications	Compliance	Reasons for Deviations (if any)	Details
3.2.3	Input Headroom : 20 dB above nominal input.			
3.3	**Digital Inputs**			
3.3.1	Level Reference : 0 dBFS digital = + 18 dBu analogue (+ 0 dBu = +18 dBFS)			
3.3.2	Signal Format : AES-3 (AES/EBU)			
3.3.3	Input Impedance : 110 ohm Balanced			
3.3.4	AES input Compliance : 24 bit with Selectable sample rate conversion, 44.1 kHz to 96 kHz input (Sample rate Capable)			
3.3.5	Internal Sampling Rate : 48 kHz			
3.3.6	A/D Conversion : 24 bit or better			
3.4	**Analogue Outputs**			
3.4.1	Output (Source) Impedance : ≤ 60 ohms balanced			
3.4.2	Output load Impedance : 600 ohm			
3.4.3	Nominal Output Level : + 0dBu			
3.4.4	Maximum Output Level : 18 dBu.			
3.5	**Digital Outputs**			
3.5.1	Level Reference : 0 dBFS digital = + 18 dBu analogue (+ 0 dBu = - 18 dBFS)			

Sr. No	Specifications	Compliance	Reasons for Deviations (if any)	Details
3.5.2	Signal Format : AES-3 (AES/EBU)			
3.5.3	Output Impedance : 110 ohm Balanced			
3.5.4	AES3 Output Compliance : 24 bit			
3.5.5	Output Sampling Rate : 48 kHz			
3.5.6	D/A Conversion : 24 bit			
3.6	**Frequency Response**			
3.6.1	Mike input of -35 dBu and Console Analogue outputs of +4 dBu/Console Digital Outputs of -20dBFS in the frequency range of 20 Hz to 20 KHz : within ±0.5 dB			
3.6.2	Analogue input of +4dBu/ Digital input of -20dBFS and Console Analogue Outputs of +4 dBu/ Console Digital Outputs of -20dBFS in the frequency range of 20 Hz to 20 KHz : within ±0.5 dB			
3.7	**Total Harmonic Distortion+Noise**			
3.7.1	Mike input of -60 dBu and Console Analogue Output of +4 dBu at 20 Hz to 20 Khz and measurement with 80 Khz Low Pass filter : < 0.3%			
3.7.2	Line Analogue input of +4 dBu and Console Analog Output of +4 dBu /Digital Output of -20 dBFS at 20 Hz to 20 Khz and measurement with 80 Khz Low Pass filter : < 0.02%			
3.7.3	Digital Input of -20 dBFS and Console Analog Output of +4 dBu in frequency Band of 20 Hz to 20 kHz and measurement with 80 Khz Low			

Sr. No	Specifications	Compliance	Reasons for Deviations (if any)	Details
	Pass filter : < .02%			
3.7.4	Digital Input of -1 dBFS and Console Digital Output of -1 dBFS in frequency Band of 20 Hz to 20 kHz and measurement with 80 Khz Low Pass filter : < .02%			
3.8	**Equivalent Input Noise Level and Signal to Noise Ratio**			
3.8.1	Equivalent input noise for mike Input with Mike input level of -60 dBu and Analogue output Level of +4 dBu and measurement band limited to 20 Hz-20 kHz. : < - 122 dBu			
3.8.2	Signal to Noise Ratio for Line Channel with Analogue Line input level of +4 dBu and Analogue output Level of +4 dBu and measurement band limited to 20 Hz-20 kHz : > 80 dB			
3.9	**Stereo Separation & Inter Channel Cross Talk**			
3.9.1	Stereo Separation (Between L&R of same Output) with Analogue input of Level +18 dBu and Console Analog Output of +18 dBu and the measurement will be taken on 20Hz, 1 KHz and 20 KHz : >60dB			
3.9.2	Inter-Channel cross-talk with Analogue input Level of +18 dBu and Console Analog Output of +18 dBu and the measurement will be taken on 20Hz, 1 KHz and 20 KHz : > 90 db			

3. Gigabit Ethernet Switch (24 Ports) for use with Audio over IP

Sr. No	Specifications	Compliance	Reasons for Deviations (if any)	Details
4.1	Suitable Gigabit Ethernet Switch shall be provided for interconnecting consoles using Audio over IP Ports			
4.2	The switch shall be pre-installed and preconfigured.			
4.3	Each switch port shall set itself independently for the optimal speed and determines whether to run in half- or full-duplex mode automatically.			
4.4	Switch shall support both Fast and Gigabit Ethernet devices in the same network.			
4.5	The switch should also provide automatic cable detection.			

Annexure-1

Station Wise Distribution of Digital consoles at Akashvani stations

Sr.No	Akashvani Station (Consignee)	State	Switching console	Transmission Console	Production console	Total console
		WEST ZONE				
1	Bilaspur	Chhattisgarh	1	1	1	3
2	Saraipalli	Chhattisgarh	1	1	1	3
3	Betul	Madhya Pradesh	1	1	1	3
4	Chhindwara	Madhya Pradesh	1	1	1	3
5	Guna	Madhya Pradesh	1	1	1	3
6	Khandwa	Madhya Pradesh	1	1	1	3
7	Mandla	Madhya Pradesh	1	1	1	3
8	Sagar	Madhya Pradesh	1	1	1	3
9	Shahdol	Madhya Pradesh	1	1	1	3
10	Shivpuri	Madhya Pradesh	1	1	1	3
11	Ahmednagar	Maharashtra	1	1	1	3
12	Akola	Maharashtra	1	1	1	3
13	Beed	Maharashtra	1	1	1	3
14	Chandrapur	Maharashtra	1	1	1	3
15	Dhule	Maharashtra	1	1	1	3
16	Kolhapur	Maharashtra	1	1	1	3
17	Nanded	Maharashtra	1	1	1	3
18	Nashik	Maharashtra	1	1	1	3
19	Osmanabad	Maharashtra	1	1	1	3
20	Satara	Maharashtra	1	1	1	3
21	Solapur	Maharashtra	1	1	1	3
22	Yavatmal	Maharashtra	1	1	1	3
23	Himmatnagar	Gujarat	1	1	1	3
24	Daman	UT (Daman & Diu)	1	1	1	3
Total			**24**	**24**	**24**	**72**
	EAST ZONE					

1	Chaibasa	Jharkhand	1	1	1	3
2	Daltonganj	Jharkhand	1	1	1	3
3	Baripada	Odisha	1	1	1	3
4	Berhampur	Odisha	1	1	1	3
5	Bolangir	Odisha	1	1	1	3
6	Joranda	Odisha	1	1	1	3
7	Rourkela	Odisha	1	1	1	3
Total			**7**	**7**	**7**	**21**
	SOUTH ZONE					
1	Anantpur	Andhra Pradesh	1	1	1	3
2	Kurnool	Andhra Pradesh	1	1	1	3
3	Merkapuram	Andhra Pradesh	1	1	1	3
4	Bellari	Karnataka	1	1	1	3
5	Bijapur	Karnataka	1	1	1	3
6	Chitradurga	Karnataka	1	1	1	3
7	Hassan	Karnataka	1	1	1	3
8	Hospat	Karnataka	1	1	1	3
9	Karwar	Karnataka	1	1	1	3
10	Madikeri/ Marcara	Karnataka	1	1	1	3
11	Raichur	Karnataka	1	1	1	3
12	Devikulam	Kerala	1	1	1	3
13	Manjeri	Kerala	1	1	1	3
14	Karaikal	Punducherry	1	1	1	3
15	Dharampuri	Tamilnadu	1	1	1	3
16	Nagarcoil	Tamilnadu	1	1	1	3
17	Kothagudam	Telangana	1	1	1	3
18	Nizamabad	Telangana	1	1	1	3
19	Warangal	Telangana	1	1	1	3
Total			**19**	**19**	**19**	**57**
	NORTH ZONE					
1	Hissar	Haryana	1	1	1	3
2	Kurukshetra	Haryana	1	1	1	3
3	Bathinda	Punjab	1	1	1	3
4	Patiala	Punjab	1	1	1	3
5	Alwar	Rajasthan	1	1	1	3

6	Banswara	Rajasthan	1	1	1	3
7	Chittorgarh	Rajasthan	1	1	1	3
8	Churu	Rajasthan	1	1	1	3
9	Dungarpur	Rajasthan	1	1	1	3
10	Kota	Rajasthan	1	1	1	3
11	Nagaur	Rajasthan	1	1	1	3
12	Sawai Madhopur	Rajasthan	1	1	1	3
13	Kathua	UT(Jammu & Kashmir)	1	1	1	3
14	Leh	UT(Ladakh)	1		1	2
15	Ayodhya	Uttar Pradesh	1	1	1	3
16	Bareilly	Uttar Pradesh	1	1	1	3
17	Jhansi	Uttar Pradesh	1	1	1	3
18	Pouri	Uttarakhand	1	1	1	3
Total			**18**	**17**	**18**	**53**
GRAND TOTAL			**68**	**67**	**68**	**203**