



PRASAR BHARATI
(INDIA'S PUBLIC SERVICE BROADCASTER)
O/o ADDITIONAL DIRECTOR GENERAL (E) (WZ)
ALL INDIA RADIO & DOORDARSHAN
P.B. ROAD, WORLI, MUMBAI-30.



File No.:ADG(E-BO)/AIR-P/MULTIPURPOSE_STUDIO_AKASHVANI_UJJAIN/2026-27
Computer No. 343516

Dated:13/07/2026

Subject: - Invitation of Budgetary Quote for the procurement of Broadcast Studio Equipment (Condenser Microphones, Dynamic Microphones, Professional Stereo Headphones, Headphone Distribution Amplifiers, and Digital Distribution Amplifiers) at Akashvani UJJAIN in West Zone as per details in the Budgetary Quote Form.

1. The budgetary quote form of the upcoming tender is enclosed herewith to offer quotations, from prospective bidders/firms with budgetary quote.
2. Bidders/firms may please submit the above details/their quote on or before date 29-07-2026 by e-mail to **rsbhamare@prasarbharati.gov.in** and **mumbai.airproject@gmail.com** or at following address.

Smt. Ratna S. Bhamare
Assistant Director Engineering
O/o Additional Director General (E) (WZ)
Akashvani & Doordarshan, 3rd floor, A.O.A building
Doordarshan Complex, Worli, Mumbai – 400030
Mobile No.: 7021827166

e-mail id: **rsbhamare@prasarbharati.gov.in**,
mumbai.airproject@gmail.com

Due Date to submit quotation: 29/07/2026

Enclosed:

1. Budgetary Quotation form of the upcoming tender is enclosed herewith.
2. Technical Specification at Annexure-1 of Broadcast Studio Equipment (Condenser Microphones, Dynamic Microphones, Professional Stereo Headphones, Headphone Distribution Amplifiers, and Digital Distribution Amplifiers).

(Mohan P. Ingle)
Deputy Director (E)
For Add. Director General (E), WZ
MUMBAI



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Last date of receipt of budgetary quotation in this office:29/07/2026 up to 15:00Hrs.

Please read carefully the terms and conditions given the enquiry quotation form and Specifications Enclosed.

Sr. No.	DESCRIPTION / SCOPE OF WORK	Qty. per Station	Total Qty.	RATE	AMOUNT
1.	Dynamic Microphone (Technical Specifications attach in Annexure-1)	09	09		
Total					
CGST					
SGST					
IGST					
Grand Total					

Note:

1. Consignee: Akashvani Ujjain
2. Technical Specifications (Annexure-1), of the item to be procured is attached with this form, filling the budgetary quote specifications should be considered extensively
3. Supply has to be done as per the terms and conditions in upcoming tender documents.
4. Validity: 120 Days

Name (in capital) _____

(Seal & Signature of the Bidder)



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Sr. No.	DESCRIPTION / SCOPE OF WORK	Qty. per Station	Total Qty.	RATE	AMOUNT
1.	Condenser Microphone (Technical Specifications attach in Annexure-1)	02	02		
Total					
CGST					
SGST					
IGST					
Grand Total					

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Sr. No.	DESCRIPTION / SCOPE OF WORK	Qty. per Station	Total Qty.	RATE	AMOUNT
1.	Professional Stereo Headphone (Technical Specifications attach in Annexure-1)	08	08		
Total					
CGST					
SGST					
IGST					
Grand Total					

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Sr. No.	DESCRIPTION / SCOPE OF WORK	Qty. per Station	Total Qty.	RATE	AMOUNT
1.	Headphone Distribution Amplifier (Technical Specifications attach in Annexure-1)	02	02		
Total					
CGST					
SGST					
IGST					
Grand Total					

Note:

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Sr. No.	DESCRIPTION / SCOPE OF WORK	Qty. per Station	Total Qty.	RATE	AMOUNT
1.	Digital Distribution Amplifier (Technical Specifications attach in Annexure-1)	02	02		
Total					
CGST					
SGST					
IGST					
Grand Total					

Note:

1. Consignee: Akashvani Ujjain
2. Technical Specifications (Annexure-1), of the item to be procured is attached with this form, filling the budgetary quote specifications should be considered extensively
3. Supply has to be done as per the terms and conditions in upcoming tender documents.
4. Validity: 120 Days

Name (in capital) _____

(Seal & Signature of the Bidder)

Annexure- I

DETAILED TECHNICAL SPECIFICATIONS

SPECIFICATION OF DYNAMIC MICROPHONE

1. SCOPE

This specification lays down the performance requirement of Dynamic Microphone for Akashvani Ujjain.

2. ESSENTIAL FEATURES

2.1 Dynamic Microphone

- The offered product should be Cardioid Dynamic Vocal Microphone.
- It should have uniform cardioid pattern to isolates the main sound source and minimizes background noise.
- It should have spherical mesh grille and built-in pop filter to Screen out unwanted air.
- It should have Pneumatic shock-mount system to cuts down handling noise.
- It should have durable construction and the break-resistant stand adapter.
- It should have Dark gray, enamel-painted, die cast metal; matte-finished, silver colored, spherical steel mesh grille.

3. TECHNICAL SPECIFICATIONS

SR. NO.	PARAMETERS	VALUES
3.1		Dynamic Microphone
3.1.1	Type	Dynamic
3.1.2	Frequency Response	50 to 15,000 Hz
3.1.3	Polar Pattern	Cardioid
3.1.4	Impedance	150 Ω
3.1.5	Sensitivity	-54.5 dBV/Pa (1.8 mV) 1 Pa
3.1.6	Audio Output	3 Pin XLR
3.1.7	Accessories	Microphone Stand Adapter

4. ACCESSORIES

- All the essential accessories required to complete the system should be provide by the bidder.
- The bidder should certify the completeness of the system in all respect.

5. OEM AUTHORIZATION

- Bidder has to be upload Bid Specific OEM Authorization while upload the bid docs.

6. WARRANTY

- 01 Year from the date of Supply.

BILL OF MATERIAL (BOM)

SR. NO.	DESCRIPTION OF THE ITEM	MAKE	MODEL	HSN/SAC	QTY.	UNIT PRICE	TOTAL PRICE
1	Dynamic Microphone				09		

SPECIFICATION OF CONDENSER MICROPHONE

1. SCOPE

This specification lays down the performance requirement of Condenser Microphone for Akashvani Ujjain.

2. ESSENTIAL FEATURES

- The offered product should be professional Large-diaphragm cardioid condenser microphone.
- It should have Smooth frequency response, high sensitivity and high SPL handling.
- It should have Exceptionally low noise (4.5 dBA) – the world's quietest studio condenser microphone.

3. TECHNICAL SPECIFICATIONS

SR. NO.	PARAMETERS	VALUES
3.1		Condenser Microphone
3.1.1	Microphone Type	Large Diaphragm Condenser
3.1.2	Polar Pattern	Cardioid
3.1.3	Frequency Response	20 Hz - 20000 Hz
3.1.4	Sensitivity	35 mV/Pa or -29 dBV/Pa
3.1.5	Maximum SPL	132 dB SPL or better
3.1.6	Equivalent Noise Level	4.5 dBA (A-weighted)
3.1.7	Impedance	100 Ohm
3.1.8	Connector	XLR
3.1.9	Phantom Power	+48 V
3.1.10	To be used for	Vocal & instrumental
3.1.11	Accessories required with Microphone	Shock Mount & POP Filter

4. ACCESSORIES

- All the essential accessories required to complete the system should be provided by the bidder.
- The bidder should certify the completeness of the system in all respects.

5. OEM AUTHORIZATION

- Bidder has to upload a Bid Specific OEM Authorization while uploading the bid docs.

6. WARRANTY

- 01 Year from the date of Supply.

BILL OF MATERIAL (BOM)

SR. NO.	DESCRIPTION OF THE ITEM	MAKE	MODEL	HSN/SAC	QTY.	UNIT PRICE	TOTAL PRICE
1	Condenser Microphone				02 Nos.		

SPECIFICATION OF PROFESSIONAL HEADPHONE

1. SCOPE

This specification lays down the performance requirement of High-quality Headphones for Akashvani Ujjain.

2. ESSENTIAL FEATURES

2.1 Professional Headphone

- The offered product should be High-quality closed, around-the-ear professional headphone.
- It should have modular design and better noise isolation.
- It should have soft earpads for a comfortable fit.
- It should have extremely robust construction.
- It should have foldable and rotating earcups for space-saving transport.
- It should have tough, single-sided cable.

3. TECHNICAL SPECIFICATIONS

SR. NO.	PARAMETERS	VALUES
3.1		Professional Headphone
3.1.1	Frequency response	8-25000 Hz
3.1.2	Sound pressure level (SPL)	113 dB
3.1.3	Wearing style	Headband
3.1.4	Color	Black
3.1.5	THD, total harmonic distortion	0.1%
3.1.6	Contact pressure	6 N
3.1.7	Ear coupling	Circumaural
3.1.8	Jack plug	3.5 mm jack plug with 6.3 mm adapter
3.1.9	Connection cable	Coiled Cable (min. 1.3m / max. 3m)
3.1.10	Acoustic principle	Dynamic, closed

3.1.11	Weight	w/o cable: 285 g
3.1.12	Nominal impedance	64 Ω

4. ACCESSORIES

- All the essential accessories required to complete the system should be provided by the bidder. The bidder should certify the completeness of the system in all respects.

5. OEM AUTHORIZATION

- Bidder has to upload BID specific OEM authorization while bidding.

6. COMPLIANCE STATEMENT

- A 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/items should be submitted along with the bid by the bidder.

7. WARRANTY

- 02 Years from the date of Supply.

BILL OF MATERIAL (BOM)

SR. NO.	DESCRIPTION OF ITEMS	MAKE	MODEL	QTY	UNIT PRICE	TOTAL PRICE
1	High-quality Professional Headphone			8		

SPECIFICATION OF HEADPHONE DISTRIBUTION AMPLIFIER

1. SCOPE

This specification lays down the performance requirement of Headphone Distribution Amplifier for Akashvani Ujjain.

2. ESSENTIAL FEATURES

- The offered product should be 19" rack mountable 8-Channel High-Power Headphones Mixing and Distribution Amplifier.
- It should have 1 front and 1 rear TRS 1/4" phones connector per channel.
- It should have Two independent stereo Main Inputs, along with a dedicated Direct Input on each channel.
- It should have 8-digit LED Output Level meter, Main In 1/Main In 2 select switch, a stereo or dual mono select switch, and a 1/4" Direct Input for integrating an additional sound source.

3. TECHNICAL SPECIFICATIONS

SR. NO.	PARAMETERS	VALUES
3.1		Analog Distribution Amplifier
3.1.1	Type	8-Channel High-Power Headphone Mixing & Distribution Amplifier
3.1.2	Application	Professional Stage and Studio Applications
3.1.3	Form Factor	1U Rack Mount (19" Standard Rack Compatible)
3.1.4	Number of Amplifier Channels	8 (Fully Independent Stereo Channels)
3.1.5	Maximum Headphone Connections	16 Pairs
3.1.6	Main Inputs	2x Stereo 1/4" TRS Balanced Inputs (L/Mono, R per Pair)
3.1.7	Direct Inputs	8 x 1/4" Stereo TRS Inputs
3.1.8	Main Input Impedance (Balanced)	20 k Ω
3.1.9	Main Input Impedance	10 k Ω

	(Unbalanced)	
3.1.10	Direct Input Impedance	15 k Ω (Line)
3.1.11	Maximum Input Level	+16 dBu
3.1.12	CMRR (Common Mode Rejection Ratio)	Greater than 50 dB
3.1.13	Headphone Outputs	16 1/4" TRS Stereo Outputs
3.1.14	Main Outputs (Parallel)	2x Stereo 1/4" TRS Outputs for Cascading Multiple Units
3.1.15	Maximum Output Level @ 100 Ω	+24 dBm
3.1.16	Maximum Output Level @ 8 Ω	+19 dBm
3.1.17	Minimum Load Impedance	8 Ω
3.1.18	Frequency Response	10 Hz-150 kHz, $\pm$ 3 dB
3.1.19	THD+N	0.007% Typical @ +4 dBu (1 kHz)
3.1.20	Channel Controls (Per Channel)	Volume Control, Main Input 1/Input 2 Select Switch, Mono/Stereo Switch
3.1.21	Metering - Main Input	5-Segment LED Input Meter (Main Section)
3.1.22	Metering - Per Channel Output	8-Segment LED Output Level Meter (Per Channel)
3.1.23	Mono/Stereo Switch	Provided on Each Channel
3.1.24	Main Input Select Switch	Provided on Each Channel (Main In 1 / Main In 2)
3.1.25	Power Supply	Switching Power Supply, AC 100-240 V, 50/60 Hz
3.1.26	Power Supply Features	Low Noise Operation, Superior Transient Response and Low Power Consumption

3.1.27	Accessories	Power Cord and Necessary Accessories Required for Operation Shall be Supplied
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4. ACCESSORIES

- All the essential accessories required to complete the system should be provide by the bidder.
- The bidder should certify the completeness of the system in all respect.

5. WARRANTY

- 01 Year from the date of Supply.

BILL OF MATERIAL (BOM)

SR. NO.	DESCRIPTION OF THE ITEM	MAKE	MODEL	HSN/SAC	QTY.	UNIT PRICE	TOTAL PRICE
1	Headphone Distribution Amplifier				02 Nos.		

SPECIFICATION OF DIGITAL AUDIO DISTRIBUTION AMPLIFIER

1. SCOPE

This specification lays down the requirement of a Digital Audio Distribution Amplifier for Akashvani Ujjain.

2. ESSENTIAL FEATURES

- The offered unit should be a 1-input, 6-output AES3 digital audio distribution amplifier for distributing digital audio to multiple destinations.
- It should have balanced audio inputs and six outputs on XLR connectors.
- It should be equally suitable for use in a radio studio running 44.1kHz, 48kHz, and 96kHz.
- It should have a standard 6.35mm (1/4") stereo headphone jack to serve as a monitor point for audibly checking the quality of the incoming input audio.
- Its outputs should be fully protected so a short circuit on one will not affect any of the others.
- It should have an internal switch-mode power supply (SMPS) with a wide input range of 100-240V, and it should also have an input for external 12V DC power.

3. TECHNICAL SPECIFICATIONS

SR. NO.	PARAMETERS	VALUES
3.1	AUDIO AES3 IN to OUT	
3.1.1	Input Impedance & Output Impedance	110 Ohms / 110 Ohms
3.1.2	Maximum & Minimum Levels	200mV to 10V peak to peak
3.1.3	Sample Frequency Range	32-192 kS/s
3.1.4	Resolution	8, 16, 24 or 32 bit
3.1.5	Input Type	3 pin Neutrik XLR transformer balanced
3.1.6	Output Types	6 off 3 pin Neutrik XLRs each isolated & transformer balanced
3.1.7	Noise	-145.7 dBFs unweighted 22Hz to 22kHz
3.1.8	Distortion	0.00005% (@ +8 from line up)
3.1.9	Loop Through	Output signal integrity matches input signal

3.1.10	Re-normalized	Output signal is reconstituted and signal integrity returned to normal
3.2		HEADPHONE MONITORING
3.2.1	Headphone Level	0dB (into 600 Ohms) with -18dBFs input
3.2.2	Gain Range	+6dB to Off
3.2.3	Output Clip Level	+18dB (into 600 Ohms)
3.2.4	Frequency Response	25Hz: -0.25dBu to 32kHz: +0.25dBu
3.2.5	Noise	-77dBu @ Max Gain (Unweighted 22Hz to 22kHz)
3.2.6	Distortion	100Hz = 0.006%, 1kHz = 0.005%, 10kHz = 0.011%

4. ACCESSORIES

- All the essential accessories required to complete the system should be provided by the bidder. The bidder should certify the completeness of the system in all respects.

5. OEM AUTHORIZATION & COMPLIANCE

- Bidder has to upload the bid-specific OEM authorization & Compliance while uploading the bid.

6. WARRANTY

- Minimum One Year manufacturer warranty.

BILL OF MATERIAL (BOM)

SR. NO.	DESCRIPTION OF ITEMS	MAKE	MODEL	QTY	UNIT PRICE	TOTAL PRICE
1	1-input, 6-output AES3 Digital Audio Distribution Amplifier			2		