



OFFICE OF THE PRINCIPAL GOVERNMENT MEDICAL COLLEGE BARAMULLA

Principal-gmcbjk.gov.in | www.gmcbaramulla.com | [01952-238140](tel:01952-238140)

e-Tender Notice No: 25-GMCB of 2025-26, Dated: 24-12-2025

Subject: E-Tender for Supply, Installation, Testing & Commissioning of Audio System (Control Room) in GMC Baramulla and its Associated Hospital.

E-tenders are invited on behalf of the Hon'ble Lieutenant Governor of the Union Territory of Jammu & Kashmir through the Principal, Government Medical College Baramulla, for the *Supply, Installation, Testing & Commissioning of Audio System (Control Room) in GMC Baramulla and its Associated Hospital*, as per specifications mentioned in **Annexure "A"** of this tender document. The specification sheet for the Audio system is detailed in **Annexure "B"**. Bids are invited from reputed Firms / OEMs / Authorized Dealers having relevant experience in executing AV system projects. The requirement is to be met on an urgent basis for operational readiness of academic infrastructure.

The detailed tender document can be downloaded from the website www.gmcbaramulla.com and www.jktenders.gov.in w.e.f. **25-12-2025** to **05-01-2025**.

The tender details and schedules as per following.

Item Description	Tender Fee	EMD
Supply, Installation, Testing & Commissioning of Audio System (Control Room) in GMC Baramulla and its Associated Hospital.	Rs. 1000/-	Rs. 50,000/-

Date & Time of release of bid	25/12/2025 (04:00 PM)
Last date for entertaining any clarification/representation	26/12/2025 (04:00 PM)
Online bid submission start date	25/12/2025 (04:00 PM)
Last date for submission of online bids	06/01/2026 (12:30 PM)
Opening of Technical bids	07/01/2026 (11:00 AM)

- Any query to clear can be done through email id on principal-gmcb@jk.gov.in
- The competent authority reserves the right to accept or reject the tenders received or cancel the whole tendering process without assigning any reason thereof.

Sd/-
Principal/Dean
Govt. Medical College,
Baramulla

NO: -GMCB/PO/2025-26/829/2990-96

Dated: 24-12-2025.

Copy to the: -

- Secretary to Govt, Health & Medical Education Department, J&K, Jammu.
- Director, Finance, Health & Medical Education Department, J&K, Jammu.
- Joint Director, Information Department, Kashmir, Srinagar with the request to publish the NIT in two leading dailies of the UT.
- Chief Accounts Officer GMC Baramulla for information.
- Medical Superintendent Associated Hospital GMC Baramulla for information.
- In-charge Website GMC Baramulla to upload this notice on official website of GMC Baramulla.

Annexure “A”

Tender Reference No: 25-GMCB OF 2025-26

Tender Name: Installation of Audio system (Control Room) at GMC Baramulla

S.no	Name of the Item	Quantity
1.	Supply, Installation, testing and commissioning of Voice Alarm system	01
2.	Supply, Installation, testing and commissioning of 240-Watt Amplifier	02
3.	Supply, Installation, testing and commissioning of six zone call station	01
4.	Supply, Installation, testing and commissioning of six-watt speakers	50
5.	Supply, Installation, testing and commissioning of one Sqmm Speaker cable	1200
6.	Supply, Installation, testing and commissioning of conduit of sizes with all accessories	800
7.	Supply, Installation, testing and commissioning of 12 U rack with all accessories (PDU, MCBS wirings, etc)	Per job
8.	Supply, Installation, testing and commissioning of 2 kva online UPS with battery backup	01
9.	Supply, Installation, testing and commissioning of 12 U rack	01

**Principal/Dean
Govt. Medical College
Baramulla**

Annexure “B”

TECHNICAL SPECIFICATIONS/ SCOPE OF WORK

Technical Specification			
S.No	Description	Parameters	Compliance Yes/No
VOICE ALARM CONTROLLER			
Preferred make: - Bose, Yamaha, Bosch, Sennheiser			
1.	Mains voltage	230/115VAC, $\pm 15\%$, 50/60 Hz	
2.	Current consumption	8 A	
3.	Built-in	message manager and 240 W amplifier	
4.	Max power consumption	600 VA	
5.	Loudspeaker volume control	mute (50 dB att.) + 10 steps of 1.9 dB	
6.	Six-zone	outputs	
7.	Voltage	24 VDC, $\pm 15\%$ / $\pm 15\%$	
8.	Current max	14 A	
9.	Output power (rms/maximum)	240 W / 360 W	
10.	Power reduction on backup power -	-1 dB	
11.	Frequency response	60 Hz to 18 kHz ($\pm 1/-3$ dB at -10 dB ref. rated output)	
12.	Treble control	-8/+8 dB at 10 kHz	
13.	Bass control	-8/+8 dB at 100 Hz	
14.	Mic/line input	1 x	
15.	Connector	XLR, 6.3 mm jack	
16.	Sensitivity	1 mV (mic), 1 V (line)	
17.	Impedance	>1 kohm (mic); >5 kohm (line)	
18.	S/N (flat at max volume)	>63 dB (mic); >70 dB (line)	
19.	S/N (flat at min volume/muted)	>75 dB	
20.	CMRR	>40 dB (50 Hz - 20 kHz)	
21.	Speech filter	-3 dB at 315 Hz, high-pass, 6 dB/oct	
22.	VOX trigger level	-20 dB (100 μ V mic / 100 mV line) or via input contact	
23.	Limiter	Automatic	
24.	Line input	(BGM and PC call station)	
25.	Sensitivity	200 mV	
26.	Impedance	22 kohm	
27.	S/N (flat at max volume)	>70 dB	
28.	Loudspeaker outputs		
29.	100 V output	700 W rated per zone	
30.	Volume override types	3-wire, 4-wire (24 V), 4-wire failsafe	
31.	BGM zone output Attenuation	70 / 50 / 35 / 25 / 18 / 13 V for 0 / -3 / -6 / -9 / -12 / -15 dB 120 / 60 / 30 / 15 / 8 / 4 W	
32.	Volume override types	3-wire, 4-wire (24 V), 4-wire failsafe	
33.	Output Contacts		
34.	Emergency active relay	NO / COM / NC	

35.	General purpose relays	NO / COM	
36.	Power consumption Mains operation		
37.	Max power	550 W	
38.	-3dB	440 W	
39.	-6dB	340 W	
40.	Messages		
41.	Data format	WAV-file, 16-bit PCM, mono	
42.	Supported sample rates (fs)	24 / 22.05 / 16 / 12 / 11.025 / 8 kHz	
43.	Memory capacity	16 MB Flash ROM	
44.	Recording / playback time	1000 seconds at fs = 8 kHz 333 seconds at fs = 24 kHz	
45.	Number of messages	255 mIN	
46.	certificates	EN 54-16 certified, Safety acc. to EN 60065, Immunity acc. to EN 50130-4, Emission acc. to EN 55103-1	
240-watt Power amplifier			
Preferred make: - Bose, Yamaha, Bosch, Sennheiser			
1	Dual inputs	with priority switching	
2	Inrush current	9 A	
3	Max power consumption	760 VA	
4	Battery power supply Voltage	24 VDC +15% / -15%	
5	Current max	11 A	
5	Output power (rms/maximum)	240 / 360 W	
6	Frequency response	50 Hz to 20 kHz (+1/-3 dB at -10 dB ref. rated output)	
7	Distortion	<1% at rated output power,1kHz	
8	Line inputs	2 x	
9	Connector	3-pin XLR, balanced	
10	Impedance	20 kohm	
11	CMRR	>25 dB (50 Hz to 20 kHz)	
12	Gain	40 dB	
13	Line loop-through output	2 x	
14	Connector	3-pin XLR	
15	Impedance	Direct connection to line input	
16	Loudspeaker outputs	3x	
17	Direct output	100 V, 70 V, 8 ohm	
18	Certifications and approvals		
19	Safety	acc. to EN 60065	
20	Immunity	acc. to EN 50130-4	
21	Emission	acc. to EN 55103-1	
22	EN 54-16	certified	

6-watt Cabinet mount Loud Speaker			
Preferred make: - Bose, Yamaha, Bosch, Sennheiser			
1	Rated Power	6W	
2	Sound Pressure Level at 6W/1 W (1 kHz, 1 m)	96dB/88dB	
3	Effective frequency range	150Hz to 15kHz	
4	Opening angle horizontal(1kHz/4kHz, -6dB)	165°/95°	
5	Opening angle vertical (1kHz/4kHz, -6dB)	160°/70°	
6	Rated Impedance	1667 Ohm	
7	Rated input voltage	100V	
8	Connector	4 Pole Push In Terminal	
Six Zone Call Station			
Preferred make: - Bose, Yamaha, Bosch, Sennheiser			
1	Nominal sensitivity	85 dB SPL (gain preset 0 dB)	
2	Nominal output level	700 mV	
3	Input sound level (max)	110 dB SPL	
4	Gain preset	+6 / 0 / -15 dB	
5	Limiter threshold	2 V	
6	Compression ratio limiter	1:20	
7	Distortion	<0.6 maximum input	
8	Input noise level (equiv.)	25 dB SPLA	
9	Frequency response	100 Hz to 16 kHz	
10	Speech filter	3dB at 315 Hz, high-pass, 6 dB/oct	
11	Output impedance	200 ohm	
12	Selections Chimes	Any wave file	
13	Priorities	7	
14	Storage temperature	-40 °C to +70 °C (-40 °F to +158 °F)	
15	Call station extension provides	seven additional zone and zone group keys	
16	LED indications for	zone selection, fault, and emergency state	
17	Selectable gain, speech filter, limiter, and output level for	improved intelligibility	
18	Six zone selection	keys, all-call key and momentary PTT-key for calls	
19	Certifications	Safety acc. to EN 60065, Immunity acc. to EN 55103-2, Emission acc. to EN 55103-1	
1mm 2 Core Speaker Wire			
1	Number Of Core	2 Core	
2	Crossectional Size	1 Sqmm.	
3	Conductor Type	Stranded	
4	Insulation Material	PVC	
5	Voltage	220 V-440v	
6	Copper Thickness	0.25 mm	
2 kva Online UPS with Batteries			
1.	RATED CAPACITY	2 KVA / 1800 Watts	
2.	INPUT VOLTAGE RANGE (Load <50%)	118 ~ 295 V (± 5 V)	

3.	INPUT VOLTAGE RANGE (Load >50%)	160 ~ 295 V (± 5 V)	
4.	FREQUENCY	40 ~ 70 Hz	
5.	PHASE	Single Phase with Ground	
6.	POWER FACTOR	≥ 0.99 @ full load	
7.	OUTPUT VOLATGE RANGE	208 / 220 / 230 / 240 V AC	
8.	FREQUENCY RANGE (Synchronized Range) FREQUENCY RANGE (Battery Mode)	47 ~ 53 Hz or 57 ~ 63 Hz 50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz	
9.	THD (Linear Load)	$\leq 2\%$	
10.	THD (Non-Linear Load)	$\leq 4\%$	
11.	OVERLOAD	>110%, 30s turn to Bypass Mode >150% instant turn to Bypass	
12.	CREST FECTOR	3:1 (Max)	
13.	SHORT CIRCUIT PROTECTION	5 cycles turn Off Inverter, no transfer to Bypass, provide Alarm (AC Mode), 5 cycles turn Off Inverter, provide Alarm (Battery Mode), Input Fuse blown or Breaker action	
14.	WAVEFORM	Pure Sinewave	
15.	TRANSFER TIME (AC Mode to Battery Mode) (Inverter to Bypass)	ZERO <4 ms	
16.	EFFECIENCY	85%~92%	
17.	OUTPUT VOLATGE RANGE	208 / 220 / 230 / 240 V AC	
18.	FREQUENCY RANGE (Synchronized Range) FREQUENCY RANGE (Battery Mode)	47 ~ 53 Hz or 57 ~ 63 Hz 50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz	
19.	THD (Linear Load)	$\leq 2\%$	
20.	THD (Non Linear Load)	$\leq 4\%$	
21.	OVERLOAD	>110%, 30s turn to Bypass Mode >150% instant turn to Bypass	
22.	CREST FECTOR	3:1 (Max)	
23.	SHORT CIRCUIT PROTECTION	5 cycles turn Off Inverter, no transfer to Bypass, provide Alarm (AC Mode), 5 cycles turn Off Inverter, provide Alarm (Battery Mode), Input Fuse blown or Breaker action	
24.	WAVEFORM	Pure Sinewave	
25.	TRANSFER TIME (AC Mode to Battery Mode) (Inverter to Bypass)	ZERO <4 ms	
26.	DC VOLTAGE	72 V (7 AH* 6 Nos. Battery inside)	
27.	CHARGE CURRENT	1.5 Amps	
28.	COMMUNICATION INTERFACE	RS232, SNMP	
29.	UPS OVERLOAD / UPS SHORT CIRCUIT	110% / 300%	

