

PRASAR BHARATI
(INDIA'S PUBLIC SERVICE BROADCASTER)
PBNS & DP/ R&D Building
14-B, I.P. ESTATE RING ROAD, NEW DELHI 110002

File No. PBNS/Podcasts/2025-26

Dated: 10.02.2026

Subject: Industry Feedback on Technical specification for supply, installation, testing, and commissioning (SITC) of the podcast studios.

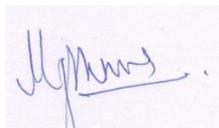
Feedback is invited from OEMs and their authorized dealers/sellers/bidders on the Technical Specification for supply, installation, testing, and commissioning (SITC) of the SITC of podcast studios at PBNS & DP office of the Prasar Bharati. A copy to technical specification is enclosed herewith for reference.

Prospective bidders/OEMs are requested to provide the following:-

- a) Comments/feedback on the technical specification
- b) Budgetary quote
- c) Ratio/percentage of Make in India (MII) components on their prospective offer.

Response may be furnished through email by the bidders by 25/02/2026 on to the following e-mail address:

Email: mohammadjavedshams@prasarbharati.gov.in



(Md Javed Shams)

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Encl.: Technical Specifications

PRASAR BHARATI
(BROADCASTING CORPORATION OF INDIA)
PRASAR BHARATI NEWS SERVICES
R&D Building, IP Estate, ITO, New Delhi-110002

No. PBNS/Podcasts/2025-26, Dated, 05/02/2026

TECHNICAL SPECIFICATIONS FOR SUPPLY TESTING AND COMMISSIONING (SITC) OF PODCAST VIDEO-AUDIO STUDIO AT PBNS, R&D Building, PRASAR BHARATI, IP ESTATE, NEW DELHI

1. OBJECTIVE

Prasar Bharati, India's Public Service Broadcaster, intends to set up a podcast studio at Prasar Bharati News Service (PBNS) Office, R&D Building, IP Estate, New Delhi. The objective of the podcast studio is to enhance the production value, audience engagement, and multimedia capabilities of the news content, thereby fulfilling the mandate in the digital age.

2. SCOPE

The specification aim at the supply, installation, testing, and commissioning of fully digital Podcast Video-Audio Studio with Production control room for Prasar Bharati News Service, New Delhi. Scope of the SITC will comprise mainly the following areas:

- 2.1 Setting up of Podcast Video-Audio Studio along with necessary Acoustic Treatment
- 2.2 Setting up of Production Control Room
- 2.3 Supply and Installation of Video Editing suits
- 2.4 Supply and Installation of Lighting Grid in Studio
- 2.5 Supply and Installation of UPS for the setup

3. TECHNICAL PARAMETERS

The offered system shall conform to following parameters in respect of Inputs/ Outputs of Audio, Video & file formats etc.:-

1.	System:	HDTV: - 1920x1080/50/I conforming to SMPTE 292M and ITU-R BT. 709 (CIF) (amended up to date) (HD-SDI: 1.485 Gb/s) UHD: - 3840X2160/50/I conforming to SMPTE-2081/2082 (12G SDI)
	Aspect Ratio	16:9
2.	Digital processing:	HDTV: 4:2:2, Y: 74.25 MHz, Pr: 37.125 MHz, Pb:37.125 MHz Sampling rate, 10-bit quantization.
3.	Power Supply:	230 ±5% Volts AC, 50 Hz
4.	Operating temperature:	5 to 40 Deg. Celsius
5.	Relative humidity:	30% to 85%
6.	Connectors:	75 Ω BNC (Standard BNC/HD BNC/DIN BNC/UHD BNC)
	1. Video	3 Pin XLR, 75/110 Ω BNC
	2. Audio	BNC, Mini XLR, RS-422, GPI, Ethernet TCP/IP, SFP, VDCP, etc. as applicable
	3. Control	
7.	Video Signal:	0.8 Vp-p ± 10%, across 75 ohms 1080/50/I HDTV; 3840X2160/50/I UHD (12G SDI)
	1. Digital Video	
	2. Reference signal	Tri-level sync/PAL black burst.
9.	Audio:	a. Analog Audio

		b. Embedded audio unless specified otherwise
10.	Time Code:	VITC on black, NTP, and LTC

4. TECHNICAL SPECIFICATIONS

4.1 PODCAST VIDEO-AUDIO STUDIO:

4.1.1 CAMERA SYSTEM

4.1.1.1 GENERAL FEATURE OF CAMERA

- 4.1.1.1.1 Camera Type - Solid-state memory camcorder
- 4.1.1.1.2 Power Requirements - DC 19.5 V
- 4.1.1.1.3 Recording Format (Video) -XAVC S: MPEG-4 AVC / H.264
XAVC HS: MPEG-H HEVC / H.26

4.1.1.2 CAMERA LENS

- 4.1.1.2.1 Zoom Ratio - 20x or better
- 4.1.1.2.2 Focal Length - f=7.71-154.21 mm
- 4.1.1.2.3 Focal Length (35mm Format Equivalent) - 24-480 mm
- 4.1.1.2.4 Iris (Maximum Apertures) - F2.8-F4.5
- 4.1.1.2.5 Focus Range (From the front of the Lens) - Approx. 1 cm (0.03 ft) to ∞ (wide) Approx. 100 cm (3 ft) to ∞ (telephoto)

4.1.1.3 CAMERA SECTION

- 4.1.1.3.1 Imaging Device (Type) - 1.0-type Exmor RS CMOS sensor
- 4.1.1.3.2 Number of Pixels (Total) - Approx. 20.9 megapixels
- 4.1.1.3.3 Number of Pixels (Effective) - Approx. 14.0 megapixels max.
- 4.1.1.3.4 Built-in ND Filter - Linear variable ND (1/4 ND - 1/128 ND)
- 4.1.1.3.5 Minimum Illumination - 1.2 lx (type)
- 4.1.1.3.6 Optical Low Pass Filter – Should be available
- 4.1.1.3.7 Shutter Type - Electronic shutter
- 4.1.1.3.8 Shutter Speed - 1/8000 sec to 64F
- 4.1.1.3.9 Slow & Quick Motion - Should be available
- 4.1.1.3.10 White Balance - 2000 K - 15000 K
- 4.1.1.3.11 Gain -3 to 36 dB
- 4.1.1.3.12 Base Look - S-Cinetone, ITU709, 709tone, s709, 709(800%), S-Log3, HLG (Live / Mild / Natural)
- 4.1.1.3.13 Image Stabilization (Type) - Lens-shift mechanism and electronic
- 4.1.1.3.14 Image Stabilization (Mode) - Active / Standard / Off
- 4.1.1.3.15 Lens Compensation - Peripheral Shading, Chromatic Aberration, Distortion
- 4.1.1.3.16 ISO Sensitivity - ISO 250-16000 equivalent (Using SDR Reset look), AUTO (ISO 250-16000, selectable lower limit, and upper limit)
- 4.1.1.3.17 Focus Type -Fast Hybrid AF (Phase-detection AF / contrast-detection AF)
- 4.1.1.3.18 Focus Point - Max. 475 points (Phase-detection AF)
- 4.1.1.3.19 Focus Recognition Target - Human
- 4.1.1.3.20 Other Focus Features - AF Subj. Shift Sensitivity, AF Transition Speed, AF Assist
- 4.1.1.3.21 Proxy Recording - Should be available
- 4.1.1.3.22 Clear Image Zoom - Approx. 1.5x (In 4K mode), approx. 2x (In HD Mode)

4.1.1.4 **INPUT AND OUTPUT PORTS**

- 4.1.1.4.1 Audio Input: 3.5 mm Stereo minijack, XLR 3-pin (Female) x2
- 4.1.1.4.2 Multi Interface Shoe: Yes (With Digital Audio Interface)
- 4.1.1.4.3 Built-In Microphone: Built-in, stereo
- 4.1.1.4.4 Headphone Terminal: Yes (3.5 mm Stereo minijack)
- 4.1.1.4.5 Built-In Speaker: Built-in, monaural
- 4.1.1.4.6 Recording System (Audio): LPCM 4ch (48 kHz 24 bit)
- 4.1.1.4.7 SDI Output: BNC, 12G-SDI, 6G-SDI, 3G-SDI (Level A / B), HD-SDI
- 4.1.1.4.8 HDMI Output: HDMI connector (Type-A)
- 4.1.1.4.9 TC / UB: Yes
- 4.1.1.4.10 Timecode Input / Output: BNC, TC IN/OUT Switchable
- 4.1.1.4.11 USB Terminal: Yes (SuperSpeed USB 5 Gbps (USB 3.2) compatible)
- 4.1.1.4.12 DC Input: Yes
- 4.1.1.4.13 Remote: Yes (2.5 mm Stereo mini-mini jack)
- 4.1.1.4.14 Remote (Wireless): Yes (Bluetooth remote control)
- 4.1.1.4.15 Wired LAN: Yes (1000BASE-T, 100BASE-TX, 10BASE-T)
- 4.1.1.4.16 Wireless LAN (Built-In): Yes (Wi-Fi Compatible)
- 4.1.1.4.17 PC Interface: Mass-storage / MTP
- 4.1.1.4.18 Other Function: FTP Transfer Func. (Wired LAN (USB-LAN), USB Tethering, Wi-Fi)

4.1.1.5 **VIEWFINDER AND LCD SCREEN SPECIFICATIONS**

- 4.1.1.5.1 Type (Viewfinder): 1.0 cm electronic viewfinder (XGA OLED Type)
- 4.1.1.5.2 Diopter Adjustment (Viewfinder): -4.0 to +3.0 m-1
- 4.1.1.5.3 Eye Point (Viewfinder): Approx. 22 mm from the eyepiece lens, at -1 m-1 *8
- 4.1.1.5.4 Type (LCD Screen): 8.8 cm type TFT
- 4.1.1.5.5 Touch Panel (LCD Screen): Should be available

4.1.1.6 **RECORDING MEDIA**

- 4.1.1.6.1 Type: SLOT A: Multi slot for SD (UHS-I/II compliant) memory card / CFexpress Type A card
- 4.1.1.6.2 SLOT B: Multi slot for SD (UHS-I/II compliant) memory card/CFexpress Type A card

4.1.1.7 **VIDEO STREAMING SPECIFICATIONS**

- 4.1.1.7.1 Protocols (Network): RTMP, RTMPS, SRT
- 4.1.1.7.2 Video Data Format (Network): MPEG-4 AVC / H.264/ MPEG-H HEVC / H.265
- 4.1.1.7.3 Video Resolution (Network): 3840 x 2160 (Using RTMP / RTMPS), 1920 x 1080, 1280 x 720
- 4.1.1.7.4 Audio Data Format (Network): AAC-LC 2ch (16bit 48 kHz)

4.1.1.8 **TRIPOD**

- 4.1.1.8.1 Material: Aluminium Alloy
- 4.1.1.8.2 Tube diameter: 20mm/14mm Tube Width:99mm
- 4.1.1.8.3 Load bearing:10kg or better
- 4.1.1.8.4 Height: 153cm~72cm (60.24 inches~28.35inches)
- 4.1.1.8.5 Fluid Head: MYT801 including Weight:4kg
- 4.1.1.8.6 Adjust angle: horizontal angle is 360 degrees and pitching angle is between +90 and -70 degrees

4.1.1.9 **PODCAST MIKE**

- 4.1.1.9.1 Microphone Type: Dynamic (moving coil)
- 4.1.1.9.2 Polar Pattern: Cardioid (unidirectional)
- 4.1.1.9.3 Connectivity: USB-C (Digital), XLR (Analog)
- 4.1.1.9.4 Audio: 24-bit/48kHz (Digital)
- 4.1.1.9.5 Frequency Response: 50 Hz - 16,000 Hz
- 4.1.1.9.6 Max SPL: 128 dB SPL
- 4.1.1.9.7 Sensitivity (XLR): -55 dBV/Pa (1.78 mV) at 1 kHz
- 4.1.1.9.8 DSP Features: Auto Level Mode, Denoiser, Reverb, Compressor, Limiter, High-Pass Filter, Digital Popper Stopper
- 4.1.1.9.9 Controls: Touch-sensitive LED Panel (Customizable Colour)
- 4.1.1.9.10 Headphone Out: 3.5 mm (1/8")
- 4.1.1.9.11 Power: USB Bus Powered
- 4.1.1.9.12 Software: Shure MOTIV Mix Desktop App, MOTIV Audio/Video Apps
- 4.1.1.9.13 Mount: 5/8"-27 thread
- 4.1.1.9.14 Housing: Diecast Aluminium

4.1.1.10 **SDI-NDI CONVERTERS**

- 4.1.1.10.1 Video Input: 1 x 3G-SDI
- 4.1.1.10.2 Video Output: 1 x 3G-SDI (Loop or Decoding Output)
- 4.1.1.10.3 NDI Capacity: 1x NDI Encoding or 1x NDI Decoding (Full NDI)
- 4.1.1.10.4 Resolution: Up to 1080p60 (SD/HD/VESA compatible)
- 4.1.1.10.5 NDI Bitrate: ~125Mbps@1080p60 (High Bandwidth)
- 4.1.1.10.6 Audio: 1 x 3.5mm in/Out, Embedded Audio, Intercom Support
- 4.1.1.10.7 Network: 1 x RJ45 1000Mbps Ethernet (with PoE)
- 4.1.1.10.8 Power: PoE, DC 5V-18V, USB-C
- 4.1.1.10.9 Control: PTZ Control (Visca, Pelco), Web Management, Kilo view IMS
- 4.1.1.10.10 Indicators: Tally Light, Power Light, Status Light
- 4.1.1.10.11 Bi-directional Conversion: Seamlessly switch between SDI and NDI workflows.
- 4.1.1.10.12 Versatile Power: Flexible power options for easy deployment.
- 4.1.1.10.13 Compact & Portable: Small form factor with camera mounting screw.
- 4.1.1.10.14 Ultra-Low Latency: (<100ms end-to-end).

4.1.2 **STUDIO ACOUSTIC TREATMENT**

4.1.2.1 **WALL ACOUSTIC TREATMENT**

- 4.1.2.1.1 Fabric-wrapped acoustic panels of 2" thickness, NRC \geq 0.85.
- 4.1.2.1.2 Coverage: 60–70% of total wall area.
- 4.1.2.1.3 Material: Glasswool / Rockwool (48–64 kg/m³) inside wooden frame.

4.1.2.2 **CEILING ACOUSTIC TREATMENT**

- 4.1.2.2.1 Acoustic ceiling clouds or panels with 2" glasswool (48 kg/m³).
- 4.1.2.2.2 Coverage: 50–60% of ceiling area.
- 4.1.2.2.3 Lighting grid and cable pathways to avoid reflections and rattles.

4.1.2.3 **FLOOR TREATMENT**

- 4.1.2.3.1 High-density acoustic carpet with underlay (6–8 mm foam or rubber).
- 4.1.2.3.2 NRC carpet layer ≈ 0.35–0.40.
- 4.1.2.3.3 Riser 8'x8' height 0.5'

4.1.3 **BACKDROP**

Suitable generic backdrop (size 12'x8') shall be setup for recording of programmes on various themes.

4.1.4 **DOOR & WINDOW TREATMENT**

- 4.1.4.1 Acoustic Door : Solid-core 45–50 mm door.
- 4.1.4.2 Double rubber gasket sealing.
- 4.1.4.3 Automatic drop seal.
- 4.1.4.4 Windows-3 Nos
 - 4.1.4.4.1 Double-glazed 10mm + 12mm air gap + 10mm glass.
 - 4.1.4.4.2 Acoustic laminated glass preferred.

4.2 PRODUCTION CONTROL ROOM

4.2.1 **VIDEO SWITCHER**

- 4.2.1.1 Video Inputs: Up to 8 IP (NDI) or 4 HDMI (supports 4K UHD @ 30fps, 1080p, 720p, SD).
- 4.2.1.2 Resolution: Max Session Output up to 4K UHD (2160p @ 30fps).
- 4.2.1.3 Outputs: 2 independent streaming outputs, 2 Mini Display Port outputs (up to 1080p/60).
- 4.2.1.4 Connectivity: NDI, SRT, RTMP, RTSP, WebRTC, Microsoft DirectShow, USB.
- 4.2.1.5 Media• 5 x Media Players (2 x DDR, 2 x GFX, 1 x Sound) • 15 x Media Buffers (10 x Live Link or Animation Buffers, 5 x Graphics Buffers)
- 4.2.1.6 DSK Channels: 2 x DSK channels
- 4.2.1.7 Keyers: Integrated Live Matte™ chroma and luma keying technology on all source channels and M/E buses • 8 x input Keyes • 2 x media player Keyes • 4 x M/E Keyes • 15 x buffer keyers2
- 4.2.1.8 Recording: 4 x recording channels from either NDI® inputs or Mix outputs • Records and retains alpha channel data • 4 x QuickTime® archival video recorders (Native NDI Codec for recording)
- 4.2.1.9 Processing: 1.5 frame latency, 2 Mix/Effect (M/E) buses with 2 Keyes/layers each, Full Macro Support.
- 4.2.1.10 Audio: HDMI embedded audio, 1/4" TRS analog inputs/ outputs, headphone jack.
- 4.2.1.11 Storage: Capacity varies by format, resolution and file specification Supports recording to external storage via USB 3.0
- 4.2.1.12 Features: Live Link (web page integration), Live Set (virtual sets), Datalink (automated data), IsoCorder (5 recording channels).
- 4.2.1.13 System Drive: 250GB SSD
- 4.2.1.14 Connection: Type USB
- 4.2.1.15 Direct Crosspoints: 14
- 4.2.1.16 Physical Stripe Count: 1
- 4.2.1.17 RGB Buttons: Yes

4.2.2 **COMMUNICATION SYSTEM**

Suitable communication between PCR and Studio Floor shall be setup for the studio. Necessary hardware/sw/system shall be supplied and made operational.

4.2.3 **STORAGE**

- 4.2.3.1 Type: NAS
- 4.2.3.2 Capacity: Minimum 100TB Ready to use
- 4.2.3.3 RAID Support: RAID 5
- 4.2.3.4 Rack Mounted 2U/4U form factors for high scalability.
- 4.2.3.5 Storage Media: 7200 RPM, SSD/NVMe for ultra-high performance.
- 4.2.3.6 Interface: Dual 10 Gigabit Ethernet (10GbE) ports are standard for 100 TB capacities
- 4.2.3.7 Protocols: Supports iSCSI, NFS, SMB/CIFS, WebDAV, and FTP for cross-platform
- 4.2.3.8 Compatibility: Windows, macOS, Linux.
- 4.2.3.9 Expansion: Often includes 2x USB 3.2 Gen 1 ports and eSATA for external scaling.

4.2.4 **AUDIO MIXER**

- 4.2.4.1 Channels: 12 (4 mono mic/line, 4 stereo line).
- 4.2.4.2 Preamps: D-PRE discrete Class-A with inverted Darlington circuit.
- 4.2.4.3 EQ: 3-band on mono channels (High/Mid/Low).
- 4.2.4.4 Compressors: 1-Knob compressors on mono channels.
- 4.2.4.5 Effects: SPX with 24 programs, controllable via footswitch.
- 4.2.4.6 USB Audio: 2-in/2-out, 24-bit/192kHz, Class 2.0 compliant.
- 4.2.4.7 Connectivity: Combo XLR/TRS inputs, XLR/TRS main/monitor outputs, Phones, Aux Sends (2), Group Buses (2).
- 4.2.4.8 Power: Internal universal power supply, +48V Phantom Power.
- 4.2.4.9 Frequency Response: +0.5dB/-1.5dB (Ref. Nominal Output Level)
- 4.2.4.10 THD: 0.03% @ +14dBu (Gain Min), 0.005% @ +24dBu (Gain Min)
- 4.2.4.11 Hum & Noise: -128dBu (EIN) for mono input, -102dBu (Residual Output Noise).
- 4.2.4.12 Crosstalk: -78dB.
- 4.2.4.13 LF Driver Size: 127 mm (5")
- 4.2.4.14 HF Driver Size: 25 mm (1")
- 4.2.4.15 HF Driver Type: Soft dome
- 4.2.4.16 Crossover : 1725Hz 4th order acoustic Linkwitz-Riley
- 4.2.4.17 Power Configuration: Bi-amplified
- 4.2.4.18 HF Driver Power Amp: 41 W Class D
- 4.2.4.19 LF Driver Power Amp: 41 W Class D
- 4.2.4.20 Frequency Response: 49Hz – 20kHz (±3dB)
- 4.2.4.21 Frequency Range: 43Hz – 20kHz (-10dB)
- 4.2.4.22 Low Frequency Extension: 43Hz (-10dB)
- 4.2.4.23 Maximum Continuous SPL: 94dB
- 4.2.4.24 Maximum Peak SPL: 108dB
- 4.2.4.25 Maximum Peak Input Level: +6dBV / +20.3dBu (-10dBV / +4dBu)
- 4.2.4.26 Electrical Distortion Criteria : 0.2% THD @ 1kHz / 2.83VRMS output; <1% THD @ 1kHz, full rated output
- 4.2.4.27 Signal to Noise Ratio: 75dBA (A-Weighted), 70dBr (unweighted), relative to 2.83VRMS output
- 4.2.4.28 HF Trim Control: -2dB, 0dB, +2dB
- 4.2.4.29 Boundary EQ -: LF Shelf @ 50Hz
- 4.2.4.30 AC Input Voltage: 100 – 240VAC (±10%), 50 / 60Hz
- 4.2.4.31 Analog Input Types: 1 x XLR female, 1 x TRS female, balanced

4.2.4.32 Input Sensitivity: 92dB / 1m (-10dBV Input)

4.2.5 **NETWORK SWITCH**

4.2.5.1 24 Ports, AV-compliant network switch with PoE+ support.

4.2.6 **VIDEO EDITING SYSTEM**

- 4.2.6.1 Processor (CPU) : Apple Silicon M3 or higher)
- 4.2.6.2 Memory: (RAM) 32 GB or higher
- 4.2.6.3 Graphics (GPU): Integrated Apple GPU (Apple Silicon)
- 4.2.6.4 Storage: System Drive: 1 TB SSD (minimum)
- 4.2.6.5 Media Storage: 2 TB or higher SSD / RAID
- 4.2.6.6 Support for external Thunderbolt / USB-C storage
- 4.2.6.7 File System: APFS / HFS+
- 4.2.6.8 Display: 4K UHD Display
- 4.2.6.9 Audio I/O: Professional audio interface support
- 4.2.6.10 Support for external mixers and sound cards
- 4.2.6.11 Video I/O: SDI / HDMI video output via external I/O devices (Blackmagic / AJA compatible)
- 4.2.6.12 Broadcast monitor support
- 4.2.6.13 Connectivity: Thunderbolt 3 / 4, USB-C / USB 3.0+, Ethernet / Wi-Fi , Bluetooth
- 4.2.6.14 Software: FCP-10

4.2.7 **LAPTOP Computer**

- 4.2.7.1 Apple MacBook Pro
- 4.2.7.2 M5 or latest
- 4.2.7.3 RAM: 32GB
- 4.2.7.4 SDD:1TB
- 4.2.7.5 Screen size 16"

4.2.8 **Equipment Rack/Production Desk**

- 4.2.8.1 The bidder will supply a 19", 42U, 1000mm Rack in the Production control Room for housing the electronics of the equipment, etc.
- 4.2.8.2 The bidder will create a Video Production Desk for two or more operators with a recording system, Audio Video Monitoring, recorder, etc.

4.3 **STUDIO LIGHTING**

- 4.3.1 **Key Lights (Main Face Light)** 2-4 LED Panel Softlights.
 - 4.3.1.1 LED Panel Soft lights, Size: 1×1 ft or 2×1 ft, Power: 100W-200W, Mount on ceiling grids
- 4.3.2 **Fill Lights-** 2 LED soft panels or tube lights, 40-100W, Used to soften shadows
- 4.3.3 **Backlights 2-3-** Background wash + tubes
- 4.3.4 **Ceiling Grid / Mounting** - Studio ceiling grid at 10-12 ft height
 - 4.3.4.1 1.5" GI pipe / aluminium overhead grid
 - 4.3.4.2 Clamps: TV butterfly clamps or grip heads
 - 4.3.4.3 Cable management: Velcro channels + raceways

4.4 UPS 20 KVA

- 4.4.1 **Capacity:** 20 kVA / 16 kW (at 0.8 PF) or 20 kVA / 20 kW
- 4.4.2 **Battery Bank:** Necessary battery bank shall be provided with the UPS
- 4.4.3 **Input Voltage:** Typically, 300-450V AC (3 phase) or a wide range for single-phase, compatible with generators.
- 4.4.4 **Output Voltage:** Typically, 400V AC (3 phase) or 230V AC (1 phase, depending on configuration), $\pm 1\%$ regulation in battery mode.
- 4.4.5 **Backup Time:** 20 minutes at full load (20 kVA/16 kW) or 20-40 minutes at 50% load.

5. GENERAL

- 5.1. After the award of the contract/AT, the successful bidder will be required to prepare and submit the final system design in consultation with PBNS within 15 days and get it approved before implementation/execution at the designated site.
- 5.2. Any additional equipment/accessories/licenses that the bidder feels necessary to complete the configuration should also be quoted as an optional item to ensure the completeness of the offered system. However, in such cases, they should provide proper justification for the additional equipment or license required.

5.3. Eligibility Criterion:

- 5.3.1.** The bidder shall have a proven track record of setting up of broadcast studio like this project. The bidder should submit following documents which will corroborate its experience and ability required to undertake this project:

Sl. No	Criteria	Description
i.	Company Existence	<ul style="list-style-type: none"> Company should be registered under Companies Act, 1956 or Companies Act 2013 or a Partnership firm / LLP registered in India under Partnership Act 1932/2008 as amended and should have been in operations in India in the last 3 Years
ii.	Annual Turnover/ Net Worth (CA certified documents) (Except the Covid Fys 2020-21 and 2021-22)	<ul style="list-style-type: none"> Average Annual turnover of 200% of estimated cost of the project in the last 03 financial years Or Cumulative Turnover of 600% of estimated cost of the project in the last 03 financial years Or Average Annual Net Worth of minimum of 50% of estimated cost of the project in the last 03 financial years Or Cumulative Net Worth of minimum of 150% of estimated cost of the project in the last 03 financial years
iii.	Positive Net Worth/ Profitability	<ul style="list-style-type: none"> Profitable/ positive net worth in the last financial year Solvent entity (CA Certified Document)
iv.	Work Experience (Self – certified with relevant documents)	<ul style="list-style-type: none"> One Similar work of minimum value of 80% of estimated cost of the project or Two Similar works of minimum value of 60% of the estimated cost of project or

		<ul style="list-style-type: none"> Three Similar works of minimum value of 40% of the estimated cost of project <p>Note: Similar works will be defined based on scope of the work. Similar works may be executed with any Central and State Government agency, PSUs, Private organizations.</p>
v.	Non – Blacklisting Certificate	<ul style="list-style-type: none"> The bidder should not have been blacklisted/debarred by any Governmental/Non-Governmental Organization in India as on bid submission date
vi.	Certification, <i>if required</i>	<ul style="list-style-type: none"> The Bidder should have valid ISO 9001:2008/ISO 9001:2015/ ISO 27001 (relevant certification based on type of work) valid as on bid submission
vii.	GFR Restrictions/ Norms, if required	<ul style="list-style-type: none"> Bidder complies with restrictions on procurement under rule144(xi) vide order no: 06/18/2019-PPD dated 23rd July 2020 inserting Rule144(xi)in GFRs2017.
viii.	Preferential Market Access	<ul style="list-style-type: none"> Bidder should comply with Preferential Market Access (PMA) order2017, guidelines notified by DPIIT and DoT with all its clarifications /amendments, if applicable

5.3.2.

5.3.2.1. Such projects are defined as proven track record of supply/service /servicing / installation or combination of both of equipment's used in broadcasting to renowned broadcasters or media houses or combination of both to renowned broadcasters or media houses.

5.3.2.2. Contact details of client/s for whom this has been done and cited as relevant experience, are required to be part of the bid. Cut-off date for experience shall be the last date of bid submission for this tender.

5.3.3. Experience documents including copies of signed contracts and/or work orders supported by self-certified documents confirming that the design, build, operation and value of the project/s are in accordance with the requirements stated above necessarily have to be submitted along with the bid, without which the bid is liable to be rejected.

5.3.4. Any entity/is not possessing the relevant experience as specified above, but are interested in bidding for the project as stated above, may tie up with a partner possessing such experience. The two parties will necessarily have to sign a notarized MOU (Memorandum Of Understanding) specifically for the execution of this project. The date of notarization should be prior to the submission date of the bid. Both members entering this notarized MOU shall be jointly responsible for the execution of the project. Experience document/s as mentioned above should be submitted along with the bid. In the absence of such document/s, as stated above, the bid is liable to be rejected.

a) The bidder should be Solvent as on the bid submission date. Self-certification by the bidder to confirm the above has to be submitted along with the bid. In case of MOU, both the members are required to comply with the above stated criteria.

b) Bidder should meet experience and other criteria, as specified in and basic guidelines / eligibility Criteria as under :

i. The Clauses in r/o of Consortium/ JV (Under Instructions to Bidders of the Standard Bid Document).:

ii. Bids from consortium/JV of two or more members (maximum 3 nos. Including Leader) are acceptable provided that they jointly fulfill the qualification criteria and requirements stated in the Tender Documents. Participating Consortium/ JV shall submit the Agreement, clearly defining the scope and responsibility of each member. Members of consortium/JV shall assume responsibility jointly & severally. The bid security shall be submitted by the Lead Bidder of the Consortium/ JV. In case of award, payment shall be

- made to the Lead Bidder of the Consortium/ JV.
- iii. The consortium/ JV Agreement must clearly define the Consortium Leader/ Lead Partner of JV, who shall be responsible on behalf of the consortium/ JV during the period of evaluation of the bid as well as during the execution and timely completion of all the contractual obligations and shall receive / send instructions for and on behalf of the Consortium/ JV.

5.3.5. The bidder should be registered under Companies Act,1956 or the Companies Act 2013 or should be a Partnership firm / LLP registered in India under Partnership Act 1932/2008, as amended, and should have been in operations in India for at least the last 3 Years. In case of MOU, both partners are required to 10ulfill the parameter.

5.3.6. The bidder should not be blacklisted/ debarred by any office/department under Government of India as on the bid submission date.

5.4. Technical Bid: The bidder must necessarily submit the following documents/details along with the technical bid:

- 5.3.1 Compliance/No deviation statement duly signed by the bidder, as applicable, in respect of all the points laid down in the specifications for all the equipment/item(s) in the proforma (Annexure-2)
- 5.3.2 Layout of the facilities indicating all operational areas connectivity.
- 5.3.3 Detailed Video and Audio schematics, Fiber/Ethernet networking layout including block diagrams, etc.
- 5.3.4 Technical manuals/Detailed technical literature/catalogues for all the offered products for substantiating the model no. and technical specifications.
- 5.3.5 Unpriced price-bid indicating Make/Model of the offered product listed in the Bill of Material (Annexure-1). Price of the equipment shall not be indicated in the unpriced bid submitted with technical bid.
- 5.3.6 Documents specified in eligibility criterion shall be the part of technical bid.
- 5.3.7 The tender is liable to be rejected in the absence of the above enclosures with the sole responsibility of the bidder.

6. SOFTWARE & LICENSE

- 6.1 The licensed version of all software including the Operating System, all application software, etc. shall be supplied in original media. The software/(s) should be licensed in the name of Prasar Bharati with perpetual validity. In case of hardware failure, it shall be re-installed and re-activated for all the software in the system with new hardware. Required recovery discs, if any for this purpose, should also be provided.
- 6.2 Required number of licenses for the system/application software and shall be offered in the bid.
- 6.3 The bidder will provide up-gradation of all the offered software free of charge during the guarantee period. The bidder will be required to give an undertaking to this effect along with the bid.

7. TECHNICAL LITERATURE

The successful bidder will have to supply a set of operation, service, and maintenance manuals concerning each piece of equipment in printed/pdf format.

8. TRAINING

The bidder has to arrange 3 working days comprehensive training to the participants nominated by Prasar Bharati on all major equipment for the entire end-to-end system at the site after commissioning, and the training will be part of the offer.

9. TECHNICAL OPERATION

The agency shall undertake technical operations of the podcast studio setup initially for a period of 3 months from the date of commissioning.

10. COMPLETENESS OF THE SYSTEM/SETUP

The successful bidder shall ensure that the podcast studio provided is complete in all respect. Necessary requirement/equipment and accessories like ethernet cables(Cat6a), A/V Cables, connectors, power boards, etc. shall be supplied along with the offered system, which are essential for setting up of the studio as per industry standard.

11. WARRANTY

- 11.1.** The complete system including all items/equipment shall have onsite warranty for 5(**Five**) years of trouble-free operation from the date of commissioning. In case of any item or equipment failure including software and hardware within this period, the same shall be rectified free of cost to Prasar Bharati at the site. In case, it is not rectified within one week, replacement of the equipment shall be arranged by the bidder.
- 11.2.** Bidders are required to submit details of after-sales service arrangements for the equipment including that of infrastructural facilities available in Delhi/India.
- 11.3.** The guarantee should cover all hardware, software, and modules of the entire system.
- 11.4.** The firm will provide support for all the offered software and hardware during the warrantee/guarantee period.
- 11.5.** The firm will provide upgradation of all the offered software free of charge during the warrantee/guarantee period.
- 11.6.** The Bidder must ensure full transfer of knowledge regarding comprehensive operation and maintenance to the Prasar Bharati Engineers before completion of on-site support

12. DELIVERY PERIOD

The delivery period (DP) will be 03 (three) months from the date of placement of A/T or Order by PB/ DD. The delivery period does not include on-site training and support.

Bill of Materials**Annexure-1**

S. No	Description	Qty.
Podcast Studio:		
1	4K Camcoder	3
2	Memory Card	6
3	Tripod for Camera	3
4	Podcast Mike with Arm stand	3
5	42" 4k Display for Studio with floor stand	1
6	NDI-HDMI Converter	3
Production Control Room:		
7	Video Switcher: (4 NDI Inputs+4 HDMI Inputs) (4GUI Ports) (4 ISO recording with attached storage) + CG+ Virtual Sets + Live Streaming	1
8	Equipment Rack 42U, 19", 1000mm	1
Switcher Control Panel Hardware:		1
9	27" FULL HD Monitor for GUI and Multiviewer	2
10	4Bay Storage with 100TB usable capacity	1
11	AV Network 24 Ports NDI Switch with PoE+	1
12	12 Ports Audio Mixer	1
13	Headphone	5
14	Audio Monitoring Ampli-Speaker	2
15	Laptop Computer System	2
Editing System:		
16	Workstation for Editing with required accessories	4
17	Video Editing software	4
Others:		
18	UPS 20 KVA with backup 20 minutes	1
19	Installation Materials Including Cables, Connectors, Wall Boxes, Ferrules, Ties etc	1Job
20	Installation and Training Charges for 3 days , If any	1 Job
Technical Furniture, Riser, Acoustic treatment & Studio Lighting:		
20	Acoustic treatment in Studio (size 20' L x 18' W x 12' H)	1 Job
21	Riser for 3 persons size 8'x8', Studio table for 4 Guests with 4 Chairs	1 Job
22	PCR Table + Editing Table + 3 Chairs	1 Set
23	Studio Lighting Grid installation including Lights (As per room size)	1 Set
24	PCR/Studio Communication System	1 Set

Subject : Technical specifications for supply testing and commissioning (SITC) of podcast video-audio studio at PBNS, R&D building, Prasar Bharati, IP Estate, New Delhi

Tender No:

Date.xx.xx.2025

NIL DEVIATION CERTIFICATE

Notwithstanding anything mentioned in our bid, we hereby accept all the terms and conditions of this Tender Document without any reservations whatsoever. We hereby undertake and confirm that we have understood all the specifications, stipulations, terms and conditions as mentioned in this Tender enquiry.

I hereby declare that the offered solution/equipment fully comply to the technical specifications and there is no deviation in the offer.

Signature of Authorized Signatory of Bidder

Name:

Designation:

Date:

Place:

Seal of Organization: