

**TENDER DOCUMENT**  
**(e-Procurement – One-part Tender)**

**Tender No. 1372/A6/KRNNIVSA/2024 dated 24.01.2026**

**Supply of Audio Equipments and Accessories for  
K.R Narayanan National Institute of Visual Science and Arts  
Government of Kerala**

**K.R Narayanan National Institute of Visual Science and Arts (KRNNIVSA)**  
**Thekkumthala, Kanjiramattom P.O-686585**  
**Kottayam, Kerala, INDIA.**  
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## Notice Inviting Tender

**Tender No. 1372/A6/KRNNIVSA/2024 dated 24.012026**  
**(Supply of Audio Equipments and Accessories)**

1. K.R Narayanan National Institute of Visual Science and Arts (Herein after referred to as KRNNIVSA), invites e-tenders from eligible vendors for the supply and installation of **Supply of Audio Equipments /Workstations and Accessories** as per the Schedule of Requirements given below.
2. Important Dates & Time of the Tender shall be as noted below:

Publication of Tender	19.02.2026
Pre-bid query submission as per format in Annexure 7	Before 6.00 PM on 20.02.2026
Pre-bid conference date and time.	21.02.2026, 3.00 PM.
Pre-bid conference venue	KRNNIVSA, Thekkumthala
Address for communication, submission of samples, opening of technical & commercial bid	K.R Narayanan National Institute of Visual Science and Arts, Thekkumthala, Kanjiramattom P.O, Kottayam, Kerala-686585
Contact details	Phone: 90617 06113 <a href="mailto:admnrnrvsa@gmail.com">admnrnrvsa@gmail.com</a>
Bid submission end date and time	28.02.2026, 6.00 PM
Sample submission	
Opening of technical bids:	02.03.2026, 11.00 AM
Opening of commercial bids	Will be intimated later.

3. Bidders shall remit the tender document fees and EMD using the on-line payment options of e-Procurement System only. Bidders are advised to visit the “Downloads” section of e-Procurement website ([www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in)) for detailed instructions on making online payment using Internet banking facility of SBI or by using NEFT facility.
4. Tender Documents shall be available only on the Internet and shall not be available for sales elsewhere.
5. The tender document should be submitted as per formats along with all relevant documents in support of qualifications and experience.

6. KRNNIVSA reserves the right to amend or cancel the tender in part or in full without prior notice at any point of time.
7. The Special Instructions to the Contractors/Bidders for the e-submission of the bids are given under "Help to Contractors" in website <http://etenders.kerala.gov.in/>
8. Schedule of Requirements:

**Schedule of Requirements**

Sl. No.	Item description	Qty (Nos)	Tender Fee Incl GST@18%	EMD Amount (Rs.)
1	<b>Table Mount Arm</b> : Heavy Duty Premium Monitor Arm   17-45" Screen Monitor mount  Gas Spring  Height Adjustability 360 Degree Rotation 2 STEP Installation  VESA Complaint 2 Way Wire Manager  16 KG Weight Capacity	1		
2	Boom Pole Holder for Microphone for C stand	1		
3	<b>C stand with extension arm</b> : Heavy Duty Light Stand C-Stand / Adjustable height ranges from 4 feet/1.2 meter to 10 feet/3.05 meters. Digitek	1		
4	<b>Portable Mixer-Recorder</b> : Field Recorder, Primary Use Applications Audio-for-Video, Number of Tracks WAV:20 Number of Input Channels 8, Maximum Sampling Rate 192 kHz / 32-Bit Microphone Built-In Slate Mic, Number of Microphone Inputs6, Built-In Speaker No Display Color LCD Touchscreen, Memory Card Support SD, SDHC Internal Storage 256 GB, Special Features Remote Control Capable, Slate Function, USB Control Surface Support (Remote Available Separately), RecordingAudio File Formats BWF, WAV Sample Rates WAV:44.1 / 47.952 / 48 / 48.048 / 88.2 / 96 / 192 kHz, AAC:48 kHz (Stereo) Bit Depth 32-Bit (A/D Conversion), 16 / 24-Bit (Recording) Bit Rates 32 to 256 kb/s (Stereo), Signal Processing & FX Auto Gain, Delay, EQ, Limiter, Low-Cut Filter, Output Limiting, Timecode Support -Yes Frame Rates Supported -23.976 / 24 / 25 / 29.97 / 29.97 DF / 30 / 30 DF Clock Accuracy 0.1 ppm / 0.25 Frame per 24 Hrs (Timecode) , Included Software No Connectivity Analog I/O , 4x XLR 3-Pin Female Balanced Line/Mic Input (Lockable) 4x TA3 3-Pin Male Active-Balanced Line/Mic Input (Lockable) 1x TA3 3-Pin Male Unbalanced Aux Input (Lockable), 1x 1/8" / 3.5 mm TRS Female Unbalanced Aux Input 1x TA3 3-Pin Male Balanced Com Return Input (Lockable) 1x TA5 5-Pin Male Unbalanced Headphone/Mic In/Out (Lockable) 1x 1/4" TRS Female Unbalanced Headphone Output, 1x 1/8" / 3.5 mm TRS Female Unbalanced Headphone Output, 2x XLR 3-Pin Male Active-Balanced Instrument/Line/Mic Output (Lockable) 4x TA3 3-Pin Male Active-Balanced Instrument/Line/Mic Output (Lockable) 1x 1/8" / 3.5 mm TRS Female Unbalanced Line Output, Digital I/O 1x RJ45 Dante In/Out, 1x LEMO 5-Pin Timecode/Word Clock In/Out	1	2760	50000

	1x RP-SMA Antenna Input, 1x XLR 3-Pin AES3 / AES42 Input, 2x XLR 3-Pin AES3 Output			
5	<b>Portable Mixer recorder Accessories</b> RF Antenna Stick RP SMA Plug : RF Antenna Stick RP SMA Plug 2.4GHz applications 3.2dBi gain Antenna Connector: RP-SMA male. 360° Rotation and tilt capabilities Omni-directional radiation. Antenna Type: Whip, Tilt. Max Height of Antenna: 19 cm	1		
6	<b>Control surface for recorder :</b> Power Powered by the recorder via USB. Draws max. 120mA from the USB 5V power. Connector USB type B. Mounting points 2x 1/4", 20 screw holes Dimensions 196 x 200 x 43 mm (incl. faders) Weight 1kg What's in the box 1x FINGER CONTROL SURFACE 8 1x USB-B to USB-C cable, black (1m) 1x velcro band	1		
7	<b>Battery pack, Battery adapter, Battery charger :</b> Li-ion, 14.4V, 73Wh capacity NP-1 Type 2x D-tap DC output socket 4-level LED power indicator Not restricted by IATA Multiple circuit protections (Model has to be one legally permitted in India)	1		
8	<b>Carry Bag :</b> Exterior 17.7 x 12.6 x 11.4" / 45 x 32 x 29 cm Interior 13 x 9.4 x 7.5" / 33 x 24 x 19 cm	1		
9	<b>Headphone :</b> Type-Dynamic, closed Magnet Type-Neodymium, Driver Size-40.0 mm, Frequency Response-10-20kHz Impedance-63 Ohms, Sensitivity-106 dB/W/m, Power Handling-1,000mW, Plug Type-Gold, Stereo Unimatch plug 1/4" and 1/8", Cord Length-9.8 ft, Weight-8.1 oz	4		
10	TA3 female to XLR female Cable :	5		
11	TA3 female to XLR male Cable :	5		
12	Memory card : 16 GB SDHC card	6		
13	Memory Card : 128GB Extreme PRO UHS-I SDXC	2		
14	External Hard disk : Rugged Mini,4TB,USB C	2		
15	Speaker : LF Driver 165mm (6.5") HF DRIVER SIZE 25mm (1") HF DRIVER TYPE Soft dome, Crossover 1425Hz 4th order acoustic Linkwitz-Riley OK FOR USE NEAR MAGNETICALLY SENSITIVE EQUIPMENT Yes INPUT SENSITIVITY (-10dBV INPUT) 92dB / 1m Power Configuration Bi-amplified, HF DRIVER POWER AMP 56W, Class-D LF Driver Power Handling 56W, Class D, Frequency Response (±3 dB) 47Hz – 20kHz Frequency Range (-10dB) 39Hz – 24kHz, LOW FREQUENCY EXTENSION (-10dB) 39Hz	6		

	<p>Maximum Continuous SPL 92dB  Maximum Peak SPL 110dB, MAXIMUM PEAK INPUT LEVEL (-10dBV / +4dBu) +6dBV / +20.3dBu</p> <p>Input Connectors 1 x XLR female, 1 x TRS female, balanced  HF TRIM CONTROL -2dB, 0dB, +2dB  BOUNDARY EQ LF Shelf @ 50Hz: -3dB, -1.5dB, 0dB  AC INPUT VOLTAGE 100 – 240VAC (±10%), 50 / 60Hz  Enclosure Ported, ENCLOSURE CONSTRUCTION 15mm MDF  Enclosure Finish Matte black PVC, BAFFLE CONSTRUCTION  Injection-molded structural ABS  CABINET DIMENSIONS (H x W x D) 361 x 224 x 282mm (14.2" x 8.8" x 11.1")  DISPLAY CARTON (H x W x D) 408 x 285 x 328mm (16.1" x 11.2" x 12.9")  SHIPPING CARTON (H x W x D) 418 x 292 x 338mm (16.5" x 11.5" x 13.3")  Net Weight 6.1 kg (13.42 lbs)</p>			
16	5 pin xlr Male connector 8 : 5 pin xlr Male connector 8	2		
17	5 pin xlr Female connector : Neutrik 5 pin xlr Female connector	2		
18	5 pin XLR cable 16 Meter : 5 pin XLR cable 16 Meter	1		
19	Slim Microphone cable 5 Metre : Slim Microphone cable	1		
20	Thunderbolt 3 (C type) to Thunder bolt 2 Adapter : Thunderbolt 3 (C type) to Thunder bolt 2 Adapter	2		
21	Studio Mic stand : Height 94.00" Weight 5.00 lbs	2		
22	PA mic stand ( Big) :	6		
23	Notation stand : 50 inch Height	1		
24	HDMI cable : Optical,5meter	4		
25	<b>Headphone Amplifier</b> : Type: Headphone Amp Input Channels: 1, Output Channels: 4, Analog Inputs: 1 x 1/4" TRS (stereo) Headphones: 4 x 1/4" TRS, Controls per Channel: Volume Form Factor: Desktop, Power Supply: 12V DC power supply (included) Height: 1.83", Width: 4.06", Depth: 2.25" Weight: 0.38 lbs.	2		
26	<b>Object Based Immersive audio rendering software</b> : compliant with Dolby Atmos Standards. Input Capacity 128 inputs (any combination of Beds and Objects) Bed Formats Up to 7.1.2 Sample Rate 48 kHz or 96 kHz (ADM BWF support) Bit Depth 24-bit Monitoring Outputs Binaural, 2.0, 5.1, 7.1, 5.1.4, 7.1.4, up to 9.1.6 Re-render Formats 2.0 to 9.1.6, Binaural, and B-format (Ambix) Mastering Formats .atmos, ADM BWF, MP4 (via export/conversion)	1		
27	<b>10' Coaxial Speaker LCR</b> : Behind the Screen LCR speakers Frequency Response 55Hz to 20kHz, Power Rating 150W AES, 600W peak Sensitivity 96.7dB @ 1W/1m, Maximum SPL 118dB continuous, 124dB peak @ 1m Low Frequency Driver 10" (250 mm) Low-Mid driver with	3		

	<p>coaxial entry  High Frequency Driver 1" (25 mm) voice coil compression driver mounted coaxially  Crossover 2.5kHz Passive, low loss air core inductors and MKP capacitors  Dispersion 90° conical, Finish Black impact resistant structured coating  Connector Push type binding post, cable upto 4 mm diameter  Enclosure 15 mm MDF vented enclosure with acoustically transparent black fabric grill  Dimensions (H x W x D) 530 mm x 362 mm x 263 mm (20.86" x 14.25" x 10.35")  Net Weight 14 kg (31 lb), Packed Weight 16.5 kg (36 lb)</p>			
28	<p><b>Sub Woofer</b> : Frequency Response 30Hz to 200Hz  Power Rating 1000W AES, 4000W peak  Sensitivity 98dB @ 1W/1m, Maximum SPL 128dB continuous, 134dB peak @ 1m  Nominal Impedance 8 Ω, Transducers 1 x 18" (455 mm) long throw weather resistant woofer  Finish Black impact resistant structured coating  Connector Push type binding post, cable upto 4 mm diameter  Enclosure 18 mm MDF direct radiator vented enclosure  Subsonic Filter 30Hz high pass 18dB/octave slope  Dimensions (H x W x D) 915 mm x 725 mm x 455 mm (36" x 28.5" x 18")</p>	1		
29	<p><b>Pulz CX8 Coaxial 8'</b> : Surround Speakers  Frequency Response 70Hz to 20kHz  Power Rating 120W AES, 480W peak  Sensitivity 93.8dB @ 1W/1m  Maximum SPL 114.5dB continuous, 120.5dB peak @1m  Nominal Impedance 8Ω  Low Frequency Driver 8" (200 mm) Low-Mid driver with coaxial entry  High Frequency Driver 1" (25 mm) voice coil compression driver mounted coaxially  Nominal Directivity 90° conical  Recommended filter 60Hz 18dB/octave Butterworth high pass filter;  20kHz 18dB/octave Butterworth low pass filter  Crossover 2.6kHz Passive, Air core inductors, MKP capacitors, wirewound resistors  Finish Black impact resistant structured coating  Connector 2 x Speakon  Enclosure Bass reflex type with MVC technology, 15 mm Birch Plywood  Grill Acoustically transparent perforated steel with foam backing  Dimensions (H x W x D) 417 mm x 288 mm x 277 mm (16.5" x 11.4" x 11")</p>	4		
30	<p>Wall Mount Bracket : CX8 Wall mount</p>	4		
31	<p><b>4 channel Amplifier</b> : 3 channel Amplifier for LCR  No. of Channels 6, Output Power (per channel) 6 x 200 Watts @ 8Ω  6 x 300 Watts @ 4Ω, Frequency Response 30Hz –20kHz, +0.2dB  Total Harmonic Distortion + Noise &lt;0.01%, Intermodulation Distortion &lt;0.02%  Signal to Noise Ratio -95dB, Damping factor &gt;100 @ 8Ω  Crosstalk -90dB, Slew Rate 50V/us, Input Sensitivity 1.3V RMS (+5dBu)  Input Impedance 20kΩ, balanced, Voltage Gain 29dB  Bandwidth 100kHz, Cooling Forced air, front to side, Protection Ultra Sonic, Short circuit</p>	1		

	<p>Load Protection Turn on delay, DC fault protection, Subsonic filter 30Hz or 100Hz selectable with header on each module, Power requirement 230 -240V AC, 50Hz -60Hz Connectors , Inputs Balanced inputs Phoenix Outputs NL4 Speakon, Front panel Power switch, Power/Protection indicator, Signal indicator, Clip Rear panel Level control, Dimensions (H x W x D) 89 mm x 480 mm x 478 mm (3.5" x 19" x 18")</p>			
32	<p><b>4 Channel Amplifier</b> : 4 channel Amplifier for LCR  No. of Channels 6  Output Power (per channel) 6 x 200 Watts @ 8Ω  6 x 300 Watts @ 4Ω  Frequency Response 30Hz -20kHz, +0.2dB  Total Harmonic Distortion + Noise &lt;0.01%  Intermodulation Distortion &lt;0.02%  Signal to Noise Ratio -95dB  Damping factor &gt;100 @ 8Ω  Crosstalk -90dB  Slew Rate 50V/us  Input Sensitivity 1.3V RMS (+5dBu)  Input Impedance 20kΩ, balanced  Voltage Gain 29dB  Bandwith 100kHz  Cooling Forced air, front to side  Protection Ultra Sonic, Short circuit  Load Protection Turn on delay, DC fault protection  Subsonic filter 30Hz or 100Hz selectable with header on each module  Power requirement 230 -240V AC, 50Hz -60Hz  Connectors  Inputs Balanced inputs Phoenix  Outputs NL4 Speakon  Front panel Power switch, Power/Protection indicator, Signal indicator, Clip  Rear panel Level control  Dimensions (H x W x D) 89 mm x 480 mm x 478 mm (3.5" x 19" x 18")</p>	1		
33	<p>2 Channel Amplifier for Subwoofer : Dual Channel Amplifier for Subwoofer</p>	1		
34	<p><b>Audio Interface</b> : Analog inputs 16 x 1/4-inch TRS line in (balanced/unbalanced)  Max level: +21 dBu  +20 dB digital gain on each input  16 x 1/4-inch TRS line out (balanced, DC coupled)  Analog outputs 16 x 1/4-inch TRS line out (balanced, DC coupled)  Max level: +21 dBu  -99 dB digital trim on each output  1 x 1/4-inch TRS stereo headphone (see below)  Computer I/O  2 x Thunderbolt 4 / USB 4.1 (40 Gbps) Type C  • USB3 / USB2 compatible  • USB audio class compliant (no driver needed)  1 x Thunderbolt-compatible / USB4 GEN3 C-to-C cable  • 40Gpbs / 240W  • Length = 2 meters  • Cable included  • Provides 15W power downstream / 0W upstream  Compatible with USB2 Type A with a C-to-A cable  • (sold separately)  Round Trip Latency (RTL): ~1.8 ms  • (32 sample buffer at 96K)</p>	1		

	Total audio channels: see "Total Audio I/O" below Total audio I/O 32 in / 34 out (66 total channels) at 1x sample rates 24 in / 26 out (50 total channels) at 2x sample rates 16 in / 18 out (34 total channels) at 4x sample rates			
35	<b>Screen</b> : woven screen Acoustically transparent.	1		
36	<b>Computer</b> : M4 Max chip with 14-core CPU, 32-core GPU, 16-core Neural Engine 36GB unified memory 1TB SSD storage Front: Two USB-C ports, SDXC card slot Back: Four Thunderbolt 5 ports, two USB-A ports, HDMI port, 10Gb Ethernet port, headphone jack	1		
37	<b>Computer Protection plan ( Extended warranty) :</b> Coverage Duration 3 Years from the date of purchase (or until canceled if on a monthly plan). Purchase Window Within 60 days of purchase. Service Type Onsite Service, Carry-in , or Mail-in. Support 24/7 priority access to service experts via chat or phone. Accidental Damage Unlimited incidents of accidental damage protection.	1		
38	<b>DAW software</b> ( Upgrade from one existing license) : Audio TracksUp to 2,048 (Mono/Stereo)Auxiliary Tracks1,024VCA Tracks128Master Tracks512Video Tracks64Simultaneous Recording256 inputsIncluded Plugins120+ (Complete Plugin Bundle + HEAT) Immersive Audio: Full support for Dolby Atmos, Ambisonics, and 7.1.2 surround sound. Advanced Automation: Includes Glide Automation, Preview mode, and Punch Preview. Expert Editing: Advanced Field Recorder workflow, Edit Playlists, and Video Editing tools. Hardware Support: Required for running Pro Tools   HDX and HD Native hardware systems. DigiLink Support: Allows for up to 192 channels of I/O when used with HDX cards.	1		
39	<b>Display Monitor</b> : Display Type - LED-backlit LCD monitor / TFT active matrix,27" Native Resolution - Full HD (1080p) 1920 x 1080 at 75 Hz Dimensions (WxDxH) - 60.99 cm x 18.68 cm x 45.33 cm - with stand Diagonal Size - 27" (68.58 cm) Horizontal Viewing Angle - 178° Connectivity - Interfaces2 x HDMI,Audio line-out	2		
40	<b>Keyboard &amp; Mouse</b> : Mac keyboard compatible	1		
41	<b>USB C HUB</b> : Minimum 4 USB 3 & Two USB C ports	1		
42	<b>DAW License Management Latest Generation</b> : DAW License Management Latest Generation C type	1		
43	<b>Extension board</b> : 6-Socket Extension Board with Surge Protector Universal Socket with 6.5Ft (2-Meter) Heavy Duty Cable Overload Protection, Comes with 5 Years Manufacturer Warranty, Grey Color, 220 Volts	2		

Director,  
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