

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

**Tender No. 1372/A6/KRNNIVSA/2024 dated 25.06.2024**

**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.  
Tel: 9061706113  
Email: [krnnivsa@gmail.com](mailto:krnnivsa@gmail.com), [adm.krnnivsa@gmail.com](mailto:adm.krnnivsa@gmail.com)**

## Notice Inviting Tender

**Tender No. 1372/A6/KRNNIVSA/2024 dated 25.06.2024**  
**(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 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	06.07.2024
Pre-bid query submission as per format in Annexure 7	Before 6.00 PM on 08.07.2024
Pre-bid conference date and time.	11.07.2024, 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 Admn. <a href="mailto:krrnivsa@gmail.com">krrnivsa@gmail.com</a>
Bid submission end date and time	17.08.2024, 6.00 PM
Sample submission	
Opening of technical bids:	19.08.2024, 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	Wired Head Set_ Normal Range Sony MDR-ZX110AP	10		
2	<b>Headphone AKG K72</b> Special Feature Lightweight Included Components 1 x K72 Headphone, 1 x Screw-on 3.5 mm (1/8-inch)-to-6.3 mm (1/4-inch) Adaptor Headphones Jack 3.5 mm Jack, 6.35 mm Jack Ear Placement Over Ear Compatible Devices monitor Impedance 32 Ohm Cable Feature Detachable Frequency Response 16 Hz Water Resistance Level Not Water Resistant Net Quantity 1 Count Connector 3.5mm Jack Wattage 200 Milliwatts	5		
3	<b>Audio interface Motu M2</b> Sample rates: 44.1, 48, 88.2, 96, 176.4, 192 kHz Mic/line/guitar inputs: 2 x XLR/TRS, mic/line/Hi-Z guitar inputs, 48V phantom power, monitor switch Analog outputs: 2 x 1/4" TRS line out (balanced, DC coupled) 2 x RCA analog out 1 x 1/4" TRS Computer I/O: 1 x USB-C (compatible with USB Type A) 2.0 audio class compliant MIDI I/O: 1 x MIDI IN 1 x MIDI OUT 16 MIDI channels to/from computer host Phantom power: 2 x individual +48V Included Software: MOTU Performer Lite Ableton Live 10 Lite 6GB of loops and sounds	8	2,760	37,500
4	<b>Speakers JBL 305</b> Frequency Range (-10dB) - 43 Hz – 24 kHz Peak SPL Max - 108dB Peak Input Max (-10dBV / +4dBu) - +6dBV / +20.3dBu Coverage Pattern - 120° x 90° HF/LF Trim Control - -2dB, 0dB, +2dB Input Types - Balanced XLR and 1/4" TRS Cabinet Dimensions - 11.7" x 7.3" x 9.1" (298 x 185 x 231mm) Net Weight - 4.73 kg	10		
5	<b>Location recorder Zoom F8</b> Input Channels: 8 Types of Inputs: 8 XLR/TRS combo jacks, and 1 Mic in connector for a Zoom capsule mic. Mono Inputs: 1-8 Stereo Inputs: Optional stereo pairing 4 total channels. Inputs 1/2 become stereo channel 1, inputs 3/4 become channel 2 and so on. Phantom Power: +24 / +48V 10 mA maximum for each channel Types of Outputs: TA3 connectors, balanced output (2: hot), 3.5mm stereo mini unbalanced output jack, 1/4" unbalanced	2		

	<p>stereo output jack Stereo Output: Meter Type: Peak Meter, Peak + VU, VU only Microphone Gain Range: XLR: +10 – +75 dB. Line Gain Range: TRS: -10 – +55 dB Overload Indicator: EQ EQ Bands: Yes Cue: No Fader Type: Virtual faders Auxiliary Sends Returns: Yes</p>			
6	<p><b>Boompole Rode</b> Lightweight professional boompole 3m (10') reach</p>	3		
7	<p><b>Lavellier set Sennheiser</b> EW 512P G4-AS Dimensions Approx. 82 x 64 x 24 mm Connector 3.5 mm jack Compander Sennheiser HDX Frequency response 20 to 20.000 Hz ± 3 dB Max. sound pressure level 142 dB THD, total harmonic distortion ≤ 0.9 % Cable length approx. 1.60 m Transducer principle pre-polarized condenser microphone Weight (incl. batteries) approx. 130 g (incl. batteries) approx. 160 g Audio output 3.5 mm jack socket: +17 dBu (mono, balanced) Pick-up pattern omni-directional Sensitivity in free field, no load (1kHz) 5 mV/Pa, ± 3 dB Signal-to-noise ratio Line: ≥ 110 dBA, Phones: approx. 90 dBA ≥ 115 dBA Equivalent noise level 26 dB Equivalent noise level weighted as per CCIR 468-3 39 dB RF output power switchable: Low: typ. 10 mW, Standard: typ. 30 mW, High: typ. 50 mW Switching bandwidth up to 88 MHz Operating time Typically 8 h Modulation Wideband FM Power supply 2 AA batteries, 1.5 V or BA 2015 accupack Current consumption at nominal voltage: typ. 140 mA at nominal voltage: typ. 180 mA with transmitter switched off: ≤ 25 µA with receiver switched off: ≤ 25 µA Adjacent channel rejection Typically ≥ 65 dB Input impedance 40 kΩ, unbalanced / 1 MΩ Intermodulation attenuation Typically ≥ 65 dB Max. Input voltage 3 Veff Powering 3 V battery / 2.4 V rechargeable battery Receiving frequency Max. 3520 receiving frequencies, adjustable in 25 kHz steps, 20 frequency banks, each with up to 32 factory-preset channels, no intermodulation, 6 frequency banks with up to 32 programmable channels RF sensitivity &lt; 1.6 µV for 52 dBA eff S/N</p>	6		
8	<p><b>Shotgun Microphone Sennheiser 416</b> Dimensions: Ø 19 x 250 mm Frequency response (Microphone): 40 - 20000 Hz Sensitivity in free field, no load (1kHz): 25 mV/Pa +- 1 dB Nominal impedance: 25 Ω Min. terminating impedance: 800 Ω Equivalent noise level: 13 dB Equivalent noise level weighted as per CCIR 468-3: 24 dB Maximum sound pressure level (passiv): 130 dB</p>	2		

	Current consumption: 2 mA Voltage: 48 +- 4 V Phantom			
9	iLok	8		
10	<b>JBL 104 Speaker</b> Compact Reference Monitor (1 Pair)	1 Pair		
11	Audio System: <b>Tonewinner AT-300</b> <b>Dolby Atmos 16Channels Processor AV Power Audio</b> <b>Preamplifier</b>	1		
12	Headphone: <b>Audio-Technica ATH-M20X</b>	10		

Director,  
K.R Narayanan National Institute of Visual Science and Arts (KRNNIVSA)  
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