S.NO	ITEMS	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
		BOQ for Audio/Video Works for Conference Room on 3rd Floor Main Branch, New Delhi				
1	98 All-In-One Professional Active LED Display	Supply of 98-inch professional 4K ULTRA HD LED display with a resolution of 3840×2160, brightness of 600 cd/m² or higher, contrast ratio of at least 1200:1, and wide 178° viewing angle, designed for continuous 24/7 operation in both landscape and portrait orientation. The display shall feature a high-haze panel to minimize glare, and provide multiple connectivity options including HDMI inputs, USB 2.0/3.0, USB-C with DisplayPort and power delivery, LAN in/out, RS-232, and audio interfaces. It shall include OPS and Wi-Fi expansion slots, run on an Android-based operating system with quad-core processor, 4 GB RAM and 32 GB internal storage, and incorporate built-in speakers of at least 2×12 W output. etc complete as required.	1	Nos		
		Approved Make : Sony / Samsung / Panasonic				
2	65" Professional Ultra HD Display Panel	Supply of 65-inch Ultra High Definition (3840 × 2160) LED panel with a 16:9 aspect ratio, delivering a minimum brightness of 400 nits for clear visibility in varied ambient lighting conditions. It shall support 24/7 operational reliability and be equipped with an integrated smart system based on Android 11 or higher, offering wireless connectivity, screen sharing, and application support. The unit shall include a minimum of 2 GB RAM and 16 GB internal storage, along with multiple input/output options including three HDMI ports, one USB 2.0 port, and one USB 3.0 port. Integrated 20W speakers with Dolby Audio or equivalent shall provide clear sound output without the need for external amplification. The display shall support dual-band Wi-Fi and built-in casting functionality for seamless integration in classrooms, conference rooms, and signage applications. etc complete as required.	4	Nos		
		Approved Make : Sony / Samsung / Panasonic				
3	Ultra-thin LCD Monitor Lift with Retractable Screen 15.6"	Supply of motorized monitor lift system shall be designed for flush-mount integration into desks or conference tables, supporting a 15.6-inch full HD (1920×1080) display with a 16:9 aspect ratio, 300 cd/m² brightness, 1100:1 contrast ratio, and wide viewing angles of 170° (H) / 160° (V). The lift mechanism shall enable smooth, silent vertical raising and retracting of the display at the push of a button, with adjustable tilt between 15° and 45°, automatic power on/off when deployed or retracted, and built-in anti-pinch safety protection. The unit shall provide HDMI, USB, and serial interfaces, support multiple control options including local switch panel, RF remote, and central control integration, and be constructed from high-quality brushed aluminium alloy with a minimum 5 mm panel thickness for durability and premium finish. It shall be suitable for boardrooms, meeting rooms, classrooms, control centres, and executive workspaces, ensuring a clutter-free surface and secure concealment of the display when not in use.	2	Nos		
		Approved Make : Albiral / Solvision / Soltech				

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		BOQ for Audio/Video Works for Conference Room on 3rd Floor Main Branch, New Delhi				
4	**Ultra-thin LCD Monitor Lift with Retractable Screen 17.3"**	Supply of motorized monitor lift system shall be designed for flush-mount integration into desks or conference tables, supporting a 17.3-inch full HD (1920×1080) display with a 16:9 aspect ratio, 300 cd/m² brightness, 1100:1 contrast ratio, and wide viewing angles of 170° (H) / 160° (V). The lift mechanism shall enable smooth, silent vertical raising and retracting of the display at the push of a button, with adjustable tilt between 15° and 45°, automatic power on/off when deployed or retracted, and built-in anti-pinch safety protection. The unit shall provide HDMI, USB, and serial interfaces, support multiple control options including local switch panel, RF remote, and central control integration, and be constructed from high-quality brushed aluminium alloy with a minimum 5 mm panel thickness for durability and premium finish. It shall be suitable for boardrooms, meeting rooms, classrooms, control centres, and executive workspaces, ensuring a clutter-free surface and secure concealment of the display when not in use.	1	Nos		
		Approved Make : Albiral / Solvision / Soltech				
5	**Low-Profile Microphone**	Supply of low-profile, surface-mount boundary condenser type optimized for speech applications in conferencing and presentation environments. It shall feature a half-cardioid pickup pattern to capture sound from the front hemisphere while reducing unwanted noise from the rear. The unit shall include a programmable microphone button supporting multiple operating modes such as push-to-talk, push-to-mute, toggle on/off, and permanent on, along with a bi-color LED ring indicator to clearly display active/mute status. A logic output interface shall be provided for integration with external devices such as cameras or media control systems. The microphone shall operate on 11–52 V phantom power, with a frequency response of 40 Hz to 20 kHz, sensitivity of approximately 10 mV/Pa, nominal impedance of 200 Ω, and a maximum SPL handling capacity of 140 dB. It shall incorporate mechanical isolation to minimize vibration pickup, be housed in a rugged metal enclosure with a perforated grille, and comply with international safety and standards for professional installation. etc complete as required as per specification.	20	Nos		
		Approved Make: Audio Technica / Sennheiser/ Clock audio				
6	**Digital Signal Processor 16X4**	Supply of 19" 1RU processor Selectable 48 & and 96kHz sampling rates. Integrated license-activated AEC. Dual-core processing 40-bit floating DSP.Front panel OLED display. Rear panel includes an Ethernet module with an RJ45 connector and an internal power supply connection with a built-in MOD-Dante-ETH module already pre-installed to provide minimum 16x16 I/O channels of Dante network audio. Dual RJ45 Dante and single RJ45 Ethernet connectors. 8 Mic/Line input with selectable mic, line, mic gain, and phantom power per input. 32-bit analog to digital converters. 16 Mic/Line Inputs, 4 Line output . 32-bit digital to analog converters. 2ch input + 2ch output USB audio card with activated AEC. as required as per specification.	1	Nos		
		Approved Make: Xilica / Clearone / Biamp				
7	**Digital Signal Processor 6x4**	Supply, installation, testing and commissioning of Audio Digital Signal Processor Inputs and Outputs DSP with 6 analog MIC/Line inputs and 4 Analog outputs , DANTE 4X4- CH ,Architecture Open architecture software configurable, AEC, auto gain control and noise cancellation with speech sense engine ,Inputs Gain Nominal gain 0dB, electronically switchable up to +42dB (in +6dB steps), Phantom Power48V on all analog inputs THD<0.002% , +4dBu output Crosstalk<110dB Maximum Output Level. +20dbu Frequency Response20Hz-20KHz (+0.15dB), Control Port 1xEthernet port for monitoring etc.complete as required.	1	Nos		

S.NO	ITEMS	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
BOQ for Audio/Video Works for Conference Room on 3rd Floor Main Branch, New Delhi						
		Approved Make: Xilica / clearone / Biamp				
8	**Amplifier**	Supply of a four-channel professional power amplifier capable of delivering a minimum of 300 watts per channel into 4 ohms, 8 ohms, 70V, or 100V direct drive operation without the need for external transformers. It shall incorporate integrated digital signal processing (DSP) including equalization, crossover, delay, and limiting functions for system tuning and loudspeaker protection. The unit shall provide network control and monitoring capability over standard TCP/IP, with software support for configuration and supervision. The amplifier shall feature a front-panel LCD display with menu navigation for local setup and status monitoring. Performance shall include a frequency response of 20 Hz to 20 kHz (+0/-0.5 dB), total harmonic distortion less than 0.5% at rated power, a damping factor greater than 500 at 8 ohms, and a signal-to-noise ratio exceeding 100 dB (A-weighted). The amplifier shall be designed for fixed installation applications, with high efficiency, comprehensive protection circuitry, and rack-mountable construction. etc.complete as required.	1	Nos		
		Approved Make : Audac / QSC / JBL				
9	**Ceiling Speaker**	Supply of Two Way 6.5" Ceiling speaker; Frequency Range 65Hz–19kHz or better; 6.5inch or more high output LF driver and 0.75 inch tweeter; Power rating 50W or more; Impedance 8 Ohms; Nominal Coverage Angle 110° ormore conical coverage maximum Transformer Taps 30 W, 15 W, 7.5 W @ 70V or 100V; Rated Maximum SPL :115dB or better; etc. Backcan formed steel (included "blind-mount") etc as per specification.	10	Nos		
		Approved Make : Audac / QSC / JBL				
10	**AV over IP ENCODER**	Supply of 4K60 4:4:4 Video Over IP Encoder, Wall Plate with PoE support, Should have HDMI 2.0 & HDCP 2.2 & EDID management, Shall have HDR10+, Should have minimum 1x HDMI and 1x USB-C Input and a USB-C input must support both audio, video and USB 2.0 transport of full-bandwidth USB 2.0 signals on a single connector, Support embedded audio on HDMI, USB-C or Analog Stereo, 8ch PCM and Stereo 2-channel analog audio formats , Latency should be less then 17-ms at 60 fps, Must have high security network support including multicast, VLAN tagging and QoS, Encoder should support PoE/PoE+ standards and low-power mode for energy savings, Should have open Standard Control API. Regulatory Compliance UL, FCC, and CE.	5	Nos		
		Approved Make: AMX / Crestron / Lightware				
11	**AV over IP DECODER**	Supply of 4K60 4:4:4 Video Over IP Decoder, Wall Plate with PoE, Should have HDMI 2.0 & HDCP 2.2 & EDID management and Decoder must have built-in Scaler to up-scale and downscale Encoder streams to support Display resolution natively, Shall have HDR10+, Should have minimum 1x HDMI Output Port, and 2 x USB 2.0 Ports for HID and USB Peripheral Support, Should have built-in 1 x IR and 1 x RS232 control ports, Should have analog stereo, 8ch PCM and Stereo 2-channel analog audio port, Latency should be less then 17-ms at 60 fps, Must have high security network support including multicast, VLAN tagging and QoS, Decoder should support PoE/PoE+ standards and low-power mode for energy savings, Should have open Standard Control API. Regulatory Compliance UL, FCC, and CE.	8	Nos		
		Approved Make: AMX / Crestron / Lightware				

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		BOQ for Audio/Video Works for Conference Room on 3rd Floor Main Branch, New Delhi				
12	USB Extender	Supply of USB 3.0 extender capable of transmitting data up to 100 meters over a single CAT 5e/6/7 cable, supporting speeds up to 5 Gbps and backward compatibility with USB 2.0/1.1. It shall consist of a transmitter and receiver pair, require no drivers, and support plug-and-play operation for peripherals such as webcams, touch panels, and storage devices. etc.complete as required.	2	Nos		
		Approved Make: kramer / Linetek/ Solvision				
13	Control Processor	Supply of A/V Controller, Controller must have minimum 1 x RS232/RS422/RS485 Serial port, 3 x RS232 Serial ports, 4 x IR/One-way Serial ports, 4 x Relay ports, 4 x GPIO ports, controller must have one LAN port for 10/100 BASE-T for ethernet communication, Controller must have dual lan ports to create an isolated network for AV controlled devices. Controller must have minimum 4GB of on-board DDR3 RAM, it must have a commercial grade 8GB eMMC non-volatile memory storage chip, providing reliability in high-access 24/7 environment, controller must have a USB-A Host port available for use with mass storage devices for convenient logging capabilities as well as to connect other devices such as the IR receiver to add IR Controls as an input to the system, Controller must supports IPv6, must have 802.1x and HTTPS security, Controllers without support of IPv6 and advanced security integration will not be accepted, Controller must support unlimited number of scripts simultaneously, standard and flexible programming, supporting advance scripting in multi standard languages, also natively support a Flow-based programming environment like low-code/ No-code environment, Controllers lacking the standard architecture, lacking flexibility of programming will not be accepted, Controller must support harsh operating temperature 0° C to 50° C (32° F to 122° F) to avoid hanging and failures, Controller not meeting the operating temperature requirement will not be accepted,Controller must have Regulatory Compliance : ICES 003, CE EN 55032, AUS/NZ CISPR 32, CE EN 55035, CE EN 62368-1, IEC 62368-1, UL 62368-1, VCCI CISPR 32, RoHS / WEEE compliant etc complete required as per specifications.	1	Nos		
		Approved Make: Lightware / AMX / Crestron				
14	Touch Pannel	Supply of 10 inch Wireless Touch Panel/ tab with WIFI facility.and all required Licenses for AV Control and Cover.	1	Nos		
		Approved Make - Samsung /Apple/AMX				
15	Wifi Router	Supply of Wireless Router having Dual-band 2x2 Wi-Fi 6 delivers blazing fast connectivity with increased range and reliability, Up to 1201Mbps (5GHz) and 300Mbps (2.4GHz) speeds to deliver fast wireless speeds and less interference for maximum throughput. 1 x 10/100/1000 Gigabit Ethernet WAN port, 3 x 10/100/1000 Gigabit Ethernet LAN ports High-Gain Antennas, 3 high-gain antennas deliver maximum range around your home, Backward Compatibility, Compatible with a/g/n devices. Wired Connectivity, Four 10/100 Fast Ethernet ports for fast device connectivity. etc complete required as per specifications.	1	Nos		
		Approved Make - Dlink / TP-Link / Netgear				

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		BOQ for Audio/Video Works for Conference Room on 3rd Floor Main Branch, New Delhi				
16	24 Port POE	Supply of fully managed Gigabit Ethernet switch designed for professional AV and enterprise applications, providing a minimum of 24 Gigabit PoE+ ports with a total PoE budget of 300 W, along with 2 additional Gigabit RJ45 ports and 4 Gigabit SFP uplink slots. It shall support Layer 2 and Layer 3 switching features, including VLANs, QoS, IGMP snooping, link aggregation, and static routing, ensuring optimized performance for AV over IP deployments. The unit shall include a dedicated AV-friendly web interface with preconfigured profiles for audio, video, and control traffic, while also offering a standard IT management interface with support for CLI, SNMP, and secure web management. The switch shall feature software-controlled fan operation for quiet or fanless modes, suitable for installation in noise-sensitive environments. It shall provide a switching capacity of at least 60 Gbps with a forwarding rate of 44 Mpps, ensuring reliable performance under full load. The chassis shall be rack-mountable with reversible mounting options for clean integration in AV racks, and the unit shall comply with international safety and EMC standards. etc complete required as per specifications.	1	Nos		
		Approved Make - CISCO / HP / Netgear				
17	Cat6 A Cable	Supply of Comply with Cat6a specifications 4-pair shielded twisted pair cable23 AWG solid copper conductorPairs are wrapped in polyester tape and aluminum foil with drain wireHigh Density Polyethylene InsulationFR PVC Jacket Verified.	305	Mtr		
		Approved Make - D-link / Darwiser /Legrand				
18	Speaker Cable	Supply of 2x16 AWG Twisted Loudspeaker Cable for Fix Installation Tubular Black Flame retardant PVC AVML Sheath etc complete required as per specifications.	200	Mtr		
		Approved Make - Kramer/ Krystel /Extron				
19	HDMI Patch Cable	Supply of 2 MTR. HDMI / HDMI High Speed with Ethernet certified and built in compliance with the regulations to ensure the following high performance:- All 3D video applications, 4K x 2K resolution, High Speed Ethernet Channel, Conductors O.F.C. (Oxigen Free Copper 99.99% pure copper etc complete required as per mentioned specifications.	15	Nos		
		Approved Make - Crestron / Extron / Kramer				
20	Microphone Cable	Supply of 2x0,35 mm² (22AWG) Low Capacitance Supreme Microphone Balanced Cable ,Braided Shielding O.F.C. tinned copper covering 90%. Operative Temperature -15/+70°C etc complete required as per specifications.	300	Mtr		
		Approved Make - Kramer/ Kordz /Extron				
21	24 U Equipment Rack	Supply of 600mm X 600mm Rack with minimum 24U height. Lock and Key, Cable entry on Top and Bottom cover, PDU, cable manager & hardware manger accessories should built in Front Toughened Glass Door, Powder coating frame, both side operational door with locking facility, cooling fan and rack shelf included. etc complete required as per specifications.	1	Nos		
		Approved Make - Valrack / Ordain / President rack				
Total for deciding L1						**₹ 0.00**
		Note:- The rates quoted includes all other taxes , duties , loading, unloading , transportation, other expenses etc to site. only GST will be paid Extra.				