| A | | 9 Pax Media | Room 7B | | | | | | |
|-------|---|---|---|--|-----------------------------|-----|-----|------------|-------------|
| r. No | Equipment Type | Equipment Description | Indicative Make | Indicative Models | Quotated Make & Model | Qty | UoM | Unit Price | Total Price |
| | | Video System | | | intotter | | | | |
| 1 | Wireless Presentation Gateway TYPE2 | Supply, Installation, Testing & Commissioning of Wireless Multimedia presentation and collaboration system for playing, sharing, and collaborating on digital content from a wide variety of devices with BVO (Bring you one devices) and with integrated whitehoard and cloud connectivity. With resolution supporting devices enquired for functionality, 4 devices simaltaneosity displaying on same screen, Support for Touch Screen Displays, Touch Control for Windows, 1 x HDMI Outputs, Audio via HDMI Out & USB In/Out, Equipment should support the specified system architecture to achieve desired functionality. | Wolfvision / Biamp / Kramer | Cynap Pure Pro / Modena Hub+/ VIA Campus ² | | 1 | EA | | |
| 2 | HDMI Tranmsitter | Supply, Installation, Testing & Commissioning of HDMI Transmitter over CATs cable, accept HDMI and give output, bi-directional RS-222 and R signals, resolution of 4k€60 Hz at sampling rate of 4:20, support a minimum data rate of 1oGbps, support distance up to 70 or above, HDTV and HDCP 2.2 compatible, 2k and 4k support,EDID pass through, support, HDMI Uncompressed Andio Channels, Equipment should support the specified system architecture to achieve desired functionality. | Kramer/ Extron/ Crestron | TP-580T / DTP HDMI 4K 230 Tx / DM-TX-201-C | | 1 | EA | | |
| 3 | HDMI Wallplate Receiver | Supply, Installation, Testing & Commissioning of Wallplate HDMI receiver that should accept HDBaseT /Twisted pair and give out HDMI. Should support a minimum data rate of 10.2 GDps. Should care HDMI signal over 70m. Should be HDIV and HDCP 2.2 compatible. | Kramer/ Extron/ Crestron | WP- <u>5</u> 80R / DTP R HWP 4K 231 D / DM-RMC-4K-100-C-1G-B-T | | 1 | EA | | |
| 4 | HDMI Matrix Switcher | Supply, Installation, Testing & Commissioning of 8x8 4K HDR HDCP 2.2 Matrix Switcher with Digital Audio Routing Should support max: resolution 4x86/60174 (4:44) Should support Mey Colon; 3D, Atta (pp 10, 1) accompressed audio channels, Schettable HDCP per input, Active source & acceptor detection. Automatic input selection based on proving interest or or constraint input. Lu deck space of enclosure for rack mounting in a 10 acc space | Kramer/ Extron/ Crestron | VS-88H2 / DXP 88 HD 4K PLUS / HD-MD8X8-4KZ-E | | 1 | EA | | |
| 5 | Recorder & Streamer | Supply, Installation, Testing & Commissioning of Recording & Webcasting Hardware, Recording, Streaming and Web casting simultaneously, Built-in 4 Inputs (HDMI /IP/3G- SDI/DVI) HDMI Out, Can record upto any three inputs simultaneously in a single frame and as well as individual sources simultaneously, Should have minimum iTB inbuilt storage. | Lumens/ MediaPOINTE / Mediasite | LC200 / DMR HD3 / RL 760 | | 1 | EA | | |
| | | Video Conferencing Syste | em | | | 1 | | · · · · · | |
| 1 | USB Switcher | Supply, Installation, Testing & Commissioning of 4 x 4 USB Hub Switch with 4 x USB Host, 4 x USB Peripherals , control through RS232 or LAN need to be supported. Equipment should support the specified system architecture to achieve desired functionality. | Aten/ Extron/ Blustream | US 3344i SW4 USB Pro MX44KVM | | 1 | EA | | |
| 2 | Teleprompter | Supply, Installation, Testing & Commissioning of Teleprompter with 15,4 inches content visuing size, Anti Glare type and native resolution of 1280x800 Should have contrast ratio of 400 : and brighness of minimum of 280 of under expanse. Should have xiIDM 18 xiVGA input. Software if required to be provided with Wirless bluetooth remote and foldable metallic hood, Stand for PTZ camera to be considered, Software to install on Laptop/PC | Cronus Pro / iKan / Prompter People | Punta15 / P13500 / Flex Plus 15" | | 1 | EA | | |
| 3 | USB PTZ Camera | Supply, Installation, Testing & Commissioning of Camera with 12X Zoom PTZ camera with USB port and resolution of 1920x1080, 1/2.7 ⁺ CMOS Sensor, f=3.5mm to 42.3mm, Horizontal field of view 6.9 ⁺ - 72.5 ⁺ , vertical field of view 3.9 ⁺ - 44.8 ⁺ , Pan range +/-170 ⁺ with 1 year support resolution with remote(Has to go with poly as this hs to be compatible with Poly VO | Poly | Eagle eye IV USB | | 1 | EA | | |
| | | Control Sy | stem | | _ | | 1 | II | |
| 1 | Control System Type 1 | Supply, Instillation, Testing & Commissioning of Control system with Touch Panel should have have sufficient bidirectional BS223, IR, Relays and GP/IO and Ethernet ports to control all the devices in the room. Exapprotent specified system architecture to achieve desired functionality. Should have inhult or extern IR senser/Reamer to learn IR commands Should have inhult or present power and internal storage to store and process the control approach. Should have inhult processing power and internal storage to store and process the control program. Should have inhult processing power and internal storage to store and process the control program. Should have inhueld by road as many user interfaces as required. Should have status LED to oheck for Control/Connection status. I should have status LED to check for Control/Connection status. I should have status LED to check for Control/Connection status. I should have status LED to check for Control/Connection status. I should have status LED to check for Control/Connection status. I should have status LED to check for Control/Connection status. I should have status LED to check for Control/Connection status. I should have status LED to check for Control/Connection status. I should have status LED to check for Control/Connection status. I should have status Commissioning of 10-inch, multi-touch, touch panel with 1920x1080 or better resolution, with highest configuration to acheive desired functionality. | Kramer/ Extron/ Crestron | SL-280 with KT-2010 / IPCP Pro 555Q xi with TLP Pro 1025T CP4 with TS-1070-B-S | | 1 | EA | | |
| | | Installation Equip | nent | | | | - | II | |
| 1 | HDMI Cable 6 Feet | Supply, Installation, Testing & Commissioning of High Speed HDMI Mate to Male Cables 6 feet Should be High Speed with Ethernet HDMI Cable. Should be High Speed Viet Leary, Deep Color Should have zak gold Plated pins. Should support Taba Transfer rate of upto nainimum IoGBps. Should support Taba Transfer rate of upto application of the provided structure | Kramer/ Extron/ Crestron | C-HM/HM-6 / HDMI Ultra/6 / CBL-HD-6 | | 7 | EA | | |
| 2 | HDMI Cable 15 Feet | Supply, Installation, Testing & Commissioning of High Speed HDMI Mate to Male Cables 15 feet Should be High Speed with Ehternet HDMI Cable. Supports signals up to A&(60EHz, 42-20), Deep Color Should have 2At, gold Plated pins. Should support DLBT ransfer rate of typt ominimum IoGBps. Should support of up to 48 bit Deep Color. Connectors must have a minimal Coding capability to prevent ousting of cables from ports. Should have an overall shield against EMI/RFI interference. Should have an overall shield against EMI/RFI interference. | Kramer/ Extron/ Crestron | C-HM/HM-15/ HDMI Ultra/15/ CBL-HD-20 | | 1 | EA | | |
| 3 | HDMI Cable 25 Feet | Supply, Installation, Testing & Commissioning of High Speed HDMI Mate to Male Cables 25 feet Should be High Speed with Ethernet HDMI Cable. Supports signals up to AG@601t4_2020, Deep Color Should have 24k gold Plated pins. Should support Data Transfer rate of typt ominimum 10GBps. Should support of up to 48 bit Deep Color. Connectors must have a minimal Goding capability to prevent ousting of cables from ports. Should have an overall shided against EMI/RFI interference. Should have an overall shide dagainst EMI/RFI interference. | Kramer/ Extron/ Crestron | C-HM/HM-25/ HDMI Pro/25/ CBL-HD-30 | | 1 | EA | | |
| 4 | HDMI Cable 35 feet | Supply, Installation, Testing & Commissioning of High Speed HDMI Mate to Male Cables 35 feet Should be High Speed with Ethernet HDMI Cable. Supports signals up to A&F60FLY (2:20), Deep Color Should have zak gold Plated pins. Should support DLAT ransfer rate of typt ominimum IoGBps. Should support of up to 48 bit Deep Color. Connectors must have a minimal Coding capability to prevent ousting of cables from ports. Should have an overall shidl against EMI/RFI interference. | Kramer/ Extron/ Crestron | C-HM/HM-35 / HDMI Pro/35 / CBL-HD-30 | | 1 | EA | | |
| 5 | Accessories, Cable Connector , patch cables etc | Supply, Installation, Testing & Commissioning of CAT6 cables, speaker cables, Mic Cables, Patch Cables, USB Patch cables, USB Active Extender Cables etc | Kramer/ Extron/ Belden | Kramer/ Extron/ Belden | | 1 | LOT | | |

| 6 | Cable Cubby Type 3 | Supply, Installation, Testing & Commissioning of Retractable Cable Cabby with 1 x LAN retractor, 2 USB Charging 2.0, 2 x Power. Should be retractable Lid. Should be retractable Lid. Should he modular in design. Should have the enclosure, an inner frame, a power socket, inserts and a power cord. | Kramer/ Extron/ Crestron | TBUS-10XL / FT2-700-PTL / CableCubby 700 | 2 | EA | | |
|---|-------------------------------------|--|---------------------------------------|---|---|-----|---|--|
| 7 | Cable Cubby Type 2 | Supply, Installation, Tasting & Commissioning of Retractable Cable Cubby with 1 x HDMI retractor, 1 x USB 3,0 retactor, 1 x LAN retractor, 2 USB Charging 2.0, 2 x Power. Should be retractable 1id. Should be motivation in design. Should he motivation in design. | Kramer/ Extron/ Crestron | TBUS-10XL / FTz-700-PTL / CableCubby 700 | 2 | EA | | |
| 8 | AV rack Type 3 | Supply, Installation, Testing & Commissioning of 12 U Equipment Rack with silent fans, shelves, PDU & Adjustable mounting, leveling feet included , Cable pass-through in top & bottom of rack Vertical cable management bar, Multiple stationary shelves | Valrack/ NavePoint/ APC | ProTek / MidDepth/ Flexibox | 1 | LOT | | |
| | | Sub Total for 9 Pax Media Room 7 | B of (A) | | | | 1 | |
| B | | 15 Pax Conferen | | | | | | |
| | 1 | Audio System | | | | | | |
| 1 | Ceiling Mount Speaker | Supply, Installation, Testing & Commissioning of 4,5-inch, 2 way, wall-mount houdpauler, Ratel impedance: 80, Transformer Para, Toy, 16, 8, 4, 2) watts, 1700 watts, Proquence, Range-70, H. 2, 04, R. 2, and K. 2, K | QSC/ Bose/ Martin Audio | AC-C4T/ FS4CE/ C4.8T | 4 | EA | | |
| 2 | Dual Channel Amplifier | Supply, Installation, Testing & Commissioning of 2 channel class-D amplifier with 60 watts/channel into Low-Z loads. Signal to Noise support (A weighted, 20 Hz-20 Hz)->100 dB, Frequency Response-20 Hz - 20 kHz, Input Sensitivity-1:23 Vrms (+4 dBu), Input Impedance->10 kI (balanced), >10 kI (unbalanced), Front Panel Indicators-Power, per channel Signal, per channel Protect/Limit, better to Energy Star compliant with all mounting accessories included. Equipment should support the specified system architecture to achieve desired functionality. | QSC/ Bose/ Martin Audio | SPA2-60/ IZA2120-HZ/ Revamp2060T | 1 | EA | | |
| 3 | Digital Signal Processor | $ \begin{split} Supply, Installation, Testing & Commissioning of audio, processing system with any combination required as per system architecture like 8 mic/line level analog audio inputy, 8 mic/line level analog audio inputy, a roting and contigurable up to 16xi5 channels, 128xi28 Network Audio channels (ALSS7/Dante), Input Ferguency Response-2014 to 20kHz e + 24Bkn.pput Impediance (balanced) - 5K Oms Sommial, Input Sommial, Inpu$ | QSC/ Biamp/ Symmetrix | Core 110F/ Tesira Server I/O/ Prism 16x16 | 1 | EA | | |
| 4 | Ceiling Mic | Supply, Installation, Testing & Commissioning of Ceiling mounted microphone array; mountable either ront or flush with the ceiling isself. mounting assessories should be included, including a ceiling supervises it is a ceiling fraintion bracket as sea bla a monning huestets for ceiling parallel, strayed microphone with beamforming technology that automatically focuses on whoreve is speaking in the room. The beam will automatically focuses on whorever is speaking in the room. The beam will automatically focuses on whorever is speaking in the room. The beam will automatically focuses on whorever is speaking in the room. The beam will automatically focuses on whorever is speaking in the room. The beam will automatically focuses on whorever is speaking in the room. The beam will automatically focuses on whore the resolution of the person speaking and will follow the person around the room at all times. A threshold for the detection and bus dystathels. The winterform of the horizontal and writeria and get of hepatical in real times is a constrained for the detection and analyzed /gital DANTE ¹⁹⁷ /KSE of autio outputs. Power-ow-re-Etheret (FOC) makes integration of the ceiling microphone very easy. An open media control protocol (API) allows you to make individual adjustments. Connectivity - The microphone array shall have a Dante ¹⁹ interface. Configuration and monitoring should be possible via Network control and Power to be provided via AFQ, target and the science and and the receiling microphone installed latter. It should be paintable to match the ceiling coir Dante and Power to be excited to faming above the ceiling and probabe in a stray and incorphone accomodate the de coints of the reline microphone. | Shure / Yamaha / Sennheiser | MXA920 / Adecia / TCC2 | | EA | | |
| 5 | 24 Port Network Switch | Supply, Installation, Testing & Commissioning of 24x1G PoE+ 480W 2x1G and 4xSFF+ Managed Switch Should be non blocking type layer 3 managed switch . Should support IGMP snooping , multicast and unicast addressing | Netgear / Cisco / Juniper | Netgear / Cisco / Juniper | 1 | EA | | |
| | | Video System | l | | | | | |
| 1 | 86" Display | Supply, Installation, Testing & Commissioning of 86° 4k UHD Display with brightness of 330 nit, Contrast ratio 1200:1, HDMI IN(2.0) x 3, USB 2.0 X 2, 3,5mm Stereo audio Out x 1, RS232(in/Out)x, RJ45X1(Ext Control) & Speaker 10W x 2 | LG/ Samsung/ Sony | 86UR640S / QB85 / FW-85BZ40H | 1 | EA | | |
| 2 | Wireless Presentation Gateway TYPE2 | Supply, Installation, Testing & Commissioning of Wireless Multimedia presentation and collaboration system for playing, sharing, and collaborating on digital content from a wide variety of devices with SUO (Bring you on devices) and with integrated which and and collaboration connectivity. Wirth resolution supporting devices required for functionality, 4 devices simaltaneosity displaying on same screen, Support for Touch Screen Displays, Touch Control for Windows, 1 x HDMI Outputs, Andio via HDMI Out & USB In/Out, Equipment should support the specified system architecture to achieve desired functionality. | Wolfvision / Biamp / Kramer | Cynap Pure Pro / Modena Hub+/ VIA Campus² | 1 | EA | | |
| 3 | HDMI Matrix Switcher | Supply, Installation, Testing & Commissioning of 8x8 4K HDR HDCP 2.2 Matrix Switcher with Digital Audio Routing Should support max: resolution 4x66/6114 (4:44) Should Support Deep Colox; 3D, Atc, up to 7.1 uncompressed audio channels, Selectable HDCP per input, Active source & acceptor detection. Automatic input selection based on priority selection or last connected input, Local control via front panel switching, memory, lock and EDID buttons, and Input/Output LED display 19° enclosure for rack mounting in a 1U rack space | Kramer/ Extron/ Crestron | VS-88H2 / DXP 88 HD 4K PLUS / HD-MD8X8-4KZ-E | 1 | EA | | |
| 4 | HDMI Tranmsitter | Supply, Installation, Testing & Commissioning of HDMI Transmitter over CATx cable, accept HDMI and give output, bi-directional RS-232 and IR signals, resolution of 4K@60 Hz at sampling rate of 4:2:0, support a minimum data rate of 10Cbps, support distance upto 70 or above, HDTV and HDCP 2:2 compatible, 2K and 4K support,EDID pass through, support, HDMI Uncompressed Audio Channels, Equipment should support the specified system architecture to achieve desired functionality. | Kramer/ Extron/ Crestron | TP-580T / DTP HDMI 4K 230 Tx / DM-TX-201-C | 1 | EA | | |
| 5 | HDMI Wallplate Receiver | Supply, Installation, Testing & Commissioning of Wallplate HDMI receiver that should accept HDBaseT /Tvisted pair and give out HDML Should supper a minimum data rate of 10.2 Gbps. Should carry HDMI signal over 70m. Should be HDTV and HDCP 2.2 compatible. | Kramer/ Extron/ Crestron | WP-580R / DTP R HWP 4K 231 D / DM-RMC-4K-100-C-1G-B-T | 1 | EA | | |
| 6 | Recorder & Streamer | Supply, Installation, Testing & Commissioning of Recording & Webcasting Handware, Recording, Streaming and Web casting simultaneously, Boill-in a Inputs (HDMI, 197,9G- SUJ/DVI) HDMI Out, Can record upto any three inputs simultaneously in a single frame and as well as individual sources simultaneously, Should have minimum arB inbuilt storage. | Lumens/ MediaPOINTE / Mediasite | LC200 / DMR HD3 / RL 760 | 1 | EA | | |
| | I | Video Conferencing | System | | | | | |
| | | Supply, Installation, Testing & Commissioning of 4 x 4 USB Hub Switch with 4 x USB Host, 4 x USB Peripherals, control through RS232 or IAN need to be supported. Equipment should support the specified system architecture to achieve desired functionality. | | | | | | |
| 1 | USB Switcher | suonna support me specimen system architecture to achieve desired functionainy. | Aten/ Extron/ Blustream | US 3344i SW4 USB Pro MX44KVM | 1 | EA | | |
| | | Control Syster | n | | | | | |
| | | | | | | | | |

| 1 | Control System Type 1 | Supply, Installation, Testing & Commissioning of Control system with Touch Panel should have have sufficient bidirectional RS232, IR, Relays and GP/IO and Ethernet ports to control all the devices in the room. Equipment should upport the specified system architecture to achieve desired functionality. Should have inhuilt or external IR sensor/learner to learn IR commands Should have inhuilt processing power and internal storage to store and process the control program. Should have inhuilt processing power and internal storage to store and process the control program. Should have inhelded webgate added with minimum hasle. Should have thefexibility to add as many user interfaces as required. Should have should have should device achieved to adde with minimum hasle. Should have should have shave have have have have have have have | Kramer/ Extron/ Crestron | SL-280 with KT-2010 / IPCP Pro 555Q xi with TLP Pro 1025T CP4 with TS-1070-B-S | 1 | F | A | |
|---|---|--|--------------------------------|--|---|---|---|--|
| | 1 | Installation Equip | ment | | I | | | |
| 1 | Wall Mount Bracket for 86" Display | Supply, Installation, Testing & Commissioning of Wall Mount for 86" Display - Should support minimum of 80 kg | Logic/Lumi/Chief | Logic/Lumi/Chief | 1 | | A | |
| | wan Mount Bracket for 86 Display | - Should support minimum of 80 kg | Logic/Lumi/Chief | Logic/Lumi/Chief | 1 | - | A | |
| 2 | HDMI Cable 6 Feet | Solution Support International Commissioning of High Speed HDMI Mate to Male Cables 6 feet Supply, Isstallation, Testing & Commissioning of High Speed HDMI Mate to Male Cables 6 feet Supply, Isstallation, Testing & Commissioning of High Speed HDMI Mate to Male Cables 6 feet Should be explained for the Cable of the Cable Should be any cable of the Cable o | Kramer/ Extron/ Crestron | C-HM/HM-6 / HDMI Ultra/6 / CBL-HD-6 | 9 | E | A | |
| 3 | HDMI Cable 25 Feet | Supply, Installation, Testing & Commissioning of High Speed HDMI Mate to Male Cables 25 feet Should be High Speed with Ethernet HDMI Cable. Supports signals up to 4 & (6)-60 ft, 2::0), Deep Color Should have 24 gold Plated pins. Should support Data Transfer ated of up to minimum IoGBps. Should support of upto 4 gb iD Deep Color. Connectors must have a minimal Docking capability to prevent ousting of cables from ports. Should have an overall shield against EMI/RPI interference. | Kramer/ Extron/ Crestron | C-HM/HM-25/ HDMI Pro/25/ CBL-HD-30 | 1 | E | A | |
| 4 | HDMI Cable 35 Feet | Supply, Installation, Testing & Commissioning of High Speed HDMI Mate to Male Cables 35 feet Should be High Speed with Ethernet HDMI Cable. Should be High Speed with Ethernet HDMI Cable. Should have a good Plated pinson Should support Data Transfer rate of upto minimum 10GBps. Connectors must have a minimal Octobic graphability to prevent ousting of cables from ports. Should have an overall shield against EMI/RPI interference. | Kramer/ Extron/ Crestron | С-НМ/НМ-35 / НDMI Pro/35 / CBL-HD-30 | 1 | F | A | |
| 5 | Cable Cubby Type 3 | Supply, Instillation, Testing & Commissioning of Retractable Cable Cabby with 1 x LAN retractor, 2 USB Charging 2.0, 2 x Power. Should be retractable Lid. Should be retractable Lid. Should have the enclosure, an inner frame, a power socket, inserts and a power cord. | Kramer/ Extron/ Crestron | TBUS-10XL/ FT2-700-FTL/ CableCubby 700 | 2 | E | A | |
| 6 | Cable Cubby Type 2 | Supply, Installation, Testing & Commissioning of Retractable Cable Cabley with 1 x HDMI retractor, 1 x USB 3.0 retactor, 1 x LAN retractor, 2 USB Charging 2.0, 2 x Power. Should be retractable Lid. Should be retractable Lid. Should have the enclosure, an inner frame, a power socket, inserts and a power cord. | Kramer/ Extron/ Crestron | TBUS-10XL / F12-700-FTL / CableCubby 700 | 2 | E | A | |
| 7 | Accessories, Cable Connector , patch cables etc | Supply, Installation, Testing & Commissioning of CAT6 cables, speaker cables, Mic Cables, Patch Cables, USB Patch cables, USB Active Extender Cables etc | Kramer/ Extron/ Belden | Kramer/ Extron/ Belden | 1 | F | A | |
| 8 | AV rack Type 2 | Supply, Installation, Testing & Commissioning of #4U Equipment Rack with silent fans, shelves, PDU & Adjustable mounting, leveling feet included , Cable pass-through in top & bottom of rack Vertical cable management bar, Multiple stationary shelves | Valrack/ NavePoint/ APC | ProTek / MidDepth/ Flexibox | 1 | F | A | |
| | | Sub Total for 15 Conference Room | 7C of (B) | | | | | |
| | | | ., | | | | | |
| С | | 46 Pax Confere | | | | | | |
| | | Audio System | | | | | | |
| 1 | Surface Mount Speaker | Supply, Installation, Testing & Commissioning of minimum 4 inch, 2 ways well-mount loudspeaker. Rated impedances 80, Transformer Tape-70 Y: 30, 57, 58, 37, 10 watts. 100V: 300 1, 85, 75, 75, 84 with Frequency Repared 14 area of the ray of voltage-30 watts 17, 55, 75, 55, 71, 60 watts. 100 With a support the specified system architecture to acheive desired functionality (500 Hz to 5 kHz), Maximum peak SPL- 113 dB, Equipment should support the specified system architecture to acheive desired functionality | QSC/ Bose/ Martin Audio | AC-S4T/ F845E/ A40T | 4 | E | A | |
| 2 | Column Speaker | Supply, Installation, Testing & Commissioning of Column surface-snount buddpeaker. Multiple Transducer of minimum 2: 55 (6.9 mm) conse worker. Prequency range 90 Hz - y FAR, Rath and using power / Nolings - invosting / style (mm). Santistrive / Srdll. : 600 x ang. Order 1: 600 x ang. Order 1: 600 x ang. Order 2: 600 x ang. O | QSC/ BOSE/ Renkus Heinz | AD-S802T/ MA12/ UBXB | 2 | E | A | |

| 3 | Dual Channel Amplifier | Supply, Installation, Testing & Commissioning of a channel classe-D amplifier with for watty/channel into Low-Z loads. Signal Noise support (A weighted, ao Ha-zo kHz)- voo did, Prequency Response-zo Hz. Dav 1986 and 1997 (Alba). Input Impediance-1 vok (O halanced). 2 vok 2 (O nahanced). Forei Alba (Indicators-Power, pre- channel Signal, per channel Protect/Limit, better to Energy Star compliant with all mounting accessories included. Equipment should support the specified system architecture to achieve desired functionality. | QSC/ Bose/ Biamp | SPA2-60/ IZA2120-HZ/ Revamp2060T | 1 | EA | |
|---|-------------------------------|--|---------------------------------------|--|---|----|--|
| | | | | | | | |
| 4 | Quad Channel Amplifier | Supply, Installation, Testing & Commissioning of 4 channel class-D amplifier with 60 watts/channel into Low-Zloads.4 channels can also be bridged in pairs, each pair providing up to 100 watts rms into 4/8 ohms or 125 watts rms into 70V/100V. Signal to Noise (A weighted, 20 Hz-20 kHz)>100 dB, Frequency Response-20 Hz-20 kHz, Input Sensitivity- 123 Vms (4 + 40b), Iput Impedence>10 kΩ (balanced), >10 kΩ (unbalanced), Front Panel Indicators-Power, per channel Signal, per channel Protect/Limit, compact in Size. Mounting hardware included | QSC/ Bose/ Martin Audio | SPA1-60 / IZA-sizo-HZ x z / Revamp.jizoT | | EA | |
| 5 | Digital Signal Processor | Supply, Institution, Testing & Commissioning of a utiling processing order with any combination required as yet reports methodsecutor like 5 mic/linal well analog aution inputs. By the state of the st | QSC/ Biamp/ Symmetrix | Care 110F/ Tesirs Server I/O/ Prism 16x16 | | EA | |
| | | Video System | | | | | |
| 1 | 65" Display | Supply, Installation, Testing & Commissioning of 65" 4K UHD Display | LG/ Samsung/ | 65UR640 / QB65 / | 4 | EA | |
| | | Supply, Installation, Testing & Commissioning of 55" 4K UHD Display | Sony LG/ | FW-65BZ30J 55UL3J / | | | |
| 2 | 55" Display | | Samsung/ Sony | QB55 / FW-55BZ30J | 4 | EA | |
| 3 | Signage Player | Supply, Installation, Testing & Commissioning of 4K Digital Signage player with 4k60p video decoding K Wideo decoding K Wideo containers: sts., mov., mp4, mkv Dual HD video Containers: sts., mov., mp4, mkv Pull HD Video Containers: sts., mg, vob, mov., mp4, mats Images: BMP, PEG, FNG to to 4K resolution Addition MP2, MP3, ACA and WAV (AC3 is passed through) HTML 5, Holeo, Incominu-Based, CSS, JavaScript, webGL Locking Power Connector Primary micro SD card Stot | BrightSign / Scala | HD1025 / Media Player-S-AP | 4 | EA | |
| 5 | 65" Interactive Display | Supply, Installation, Testing & Commissioning of 65 ⁺ Multitouch Interactive Display with 4K UHD Display with brightness of 390 nit, Multi Touch Point - Max 20, Operating System - Windows 7/8/10 / Windows XP / Linux / Mac / Android, Contrast ratio 120021, HDMI IN x 3, Audio in In x1,USB 3.0 X 3, . 3,5mm Stereo audio Out x 1, R5232(in/Out)x1, RJ45X & Sparse trow, x 2, Touch USB x 2 & wide viewing angle of 178 degrees, OPS slot x 1 Certifications(Safety/EMC): UL/CB.FCC ,BIS. | LG/ Samsung/ Panasonic | 65TR3DJ / WM65R / Board Pro RP6503 | 1 | EA | |
| 6 | USB Switcher | Supply, Installation, Testing & Commissioning of 4 x 4 USB Hub Switch with 4 x USB Host, 4 x USB Peripherals , control through RS232 or LAN need to be supported. Equipment should support the specified system architecture to achieve desired functionality. | Aten/ Extron/ Blustream | US 3344i/ SW4 USB Pro / MX44KVM | 1 | EA | |
| 7 | USB Extender | Supply, Installation, Testing & Commissioning of Local Ectender and Remote Extender pair for USB 3.0. Local Extender Should have 1X USB 1 J42, Elbernet Link port, Remote Extender should have 4X USB 3.1 A Receptacles 1x KJ42 fibernet 100/1000 Port USB SpeedS SuperSpeed 5 (Ops, High-Speed, Pull-Speed, Low-Speed USB Bandwidht:Up to 5Gbps Device Compatibility-All Device Types and Classes (Control, Interrupt, and Bulk) Host Compatibility:OHCI, UHCI, EHCI, xHCI Available Current at REX: 1.2A (6W) per USB port | Icron / Startech / Crestron | Raven 3104 / USB3004EXT2 / USB-EXT-3 KIT | 4 | EA | |
| 8 | Wireless Collaboration System | Supply, Installation, Testing & Commissioning of Wireless Multimedia presentation and collaboration system for playing, sharing, and collaborating on digital content from a wide variety of devices via BYOD (Bring you own devices) and with integrated whitebaard and cloud connectivity. Main Master control unit for X-over1P collaboration solution. Device uras on a Linux track and ony operating system and has numerous built in security features. The image output must be able to support AG UHD. The device must have two LAN interfaces and one separate WLAN modules. The device can be operated as a stand-alone system or be integrated into an existing access point (Infrastructures point) (Infrastructures possible) (Infrastructures point) (Infrastruc | Wolfvision / TrV / | Cynap Pro with Software Feature Pack / T1V Hub with Software/ | | EA | |
| 9 | Recorder & Streamer | Supply, Installation, Testing & Commissioning of Recording & Webcasting Hardware, Recording, Streaming and Web casting simultaneously, Built-in 4 Inputs (HDMI /IP/3G- SDI/DVI) HDMI Out, Can record upto any three inputs simultaneously in a single frame and as well as individual sources simultaneously, Should have minimum 1TB inbuilt storage. | Lumens/ MediaPOINTE / Mediasite | LC200 / DMR HD3 / RL 760 | 1 | EA | |

| 10 | 4x1 HDMI Switcher | Supply, Installation, Testing & Commissioning of 4K€00H g.4; 4: Switcher with at HDMI inputs, 1 HDMI onput On a female HDMI connector, 1Balanced Steres Audie: On s-pin terminal block connectorwith de-mehedded analog auto output; & Kat Ad & Support, Min. Cata and et al. net of 7; 3: & Scötys, HDV Compatibili, HDC 2= 2 & HDMR. Compilant, Automatic Switching, 1 Unbalanced Stereo Audie: On a 3,5mm mili jack, Supporting deep color, x: vColor ²⁴ , CEC, Iip yne, HDMI connector, 1Balanced Stereo Audie: On a 3,5mm mili jack, Supporting deep color, x: vColor ²⁴ , CEC, Iip yne, HDMI connector, 1Balanced Stereo Audie: On a 3,5mm mili jack, Supporting deep color, x: vColor ²⁴ , CEC, Iip yne, HDMI connector, 1Balanced Stereo Audie: On a 3,5mm mili jack, Supporting deep color, x: vColor ²⁴ , CEC, Iip yne, HDMI connector, 1Balanced Stereo Audie: On a 5,5mm mili jack, Supporting deep color, x: vColor ²⁴ , CEC, Iip yne, HDMI connector, 1Balanced Stereo Audie: On a 3,5mm mili jack, Supporting deep color, x: vColor ²⁴ , CEC, Iip yne, HDMI connector, 1Balanced Stereo Audie: On a 5,5mm mili jack, Supporting deep color, x: vColor ²⁴ , CEC, Iip yne, HDMI connector, 1Balanced Stereo Audie: On a 5,5mm mili jack, Supporting deep color, x: vColor ²⁴ , CEC, Iip yne, HDMI connector, 1Balanced Stereo Audie: On a 5,5mm mili jack, Supporting deep color, x: vColor ²⁴ , CEC, Iip yne, HDMI connector, 1Balanced Stereo Audie: On a 5,5mm mili jack, Supporting deep color, x: vColor ²⁴ , CEC, Iip yne, HDMI connector, 1Balanced Stereo Audie: On a 5,5mm mili jack, Supporting deep color, x: vColor ²⁴ , CEC, Iip yne, HDMI connector, 1Balanced Stereo Audie: On a 5,5mm mili jack, Supporting deep color, x: vColor ²⁴ , CEC, Iip yne, HDMI connector, Stereo Audie: On a 5,5mm mili jack, Support, IIp yne, HDMI connector, Stereo Audie: On a 5,5mm mili jack, Stereo Audie: On a 5,5mm mili | Kramer/ Extron/ Crestron | VS 411X/ SW4 HD 4K PLUS/ HD-MD4X1-4KZ-E | 4 | EA | | |
|----|-------------------------------|---|--------------------------------------|--|----|----|---|--|
| 11 | Seamless HDMI Matrix Switcher | Supply, Installation, Testing & Commissioning of Seamless Multireivever with 4 Window Multi-viewer. 18G 4K HDMI product with 4 HDMI inputs and HDBT and HDMI outputs, should support SIDMI up 146 (\$\$9,06Hz, 42:4 and HDBT up to 46(\$\$9,06Hz, 4:2:0, HDR10, CEC (for outputs only), 4K@60Hz, Image Rotation - 90, 180 and 270-degree rotation support for 4K output resolutions on input 1 in matrix mode | Kramer/ Extron/ TvONe | MV-4X / MGP 641 / C3-503 | 1 | EA | | |
| 12 | AVoIP Encoder | Supply, Institution, Testing & Commissioning of AVoIP Eacoder Should has Voit Discolar for gl(for disc) over 01 divating of AVoIP Eacoder Should have Vin Discolar for gl(for disc) over 01 divating of a point of the avoit over 10 divating over 10 divating of the avoit over 10 divating of the avoit over 10 divating o | Kramer/ Extron/ Crestron | KDS-EN7 / NAV E 501 / DM-NVX-360 | 8 | EA | | |
| 13 | AV0IP Decoder | Supply, Installation, Testing & Commissioning of AVoIP Decode for 4K66 4:2:0, over 1G network, 1 HDMI output HSM Should have I bulanced stereo audio output, RS2;2;; USB, Ehlernet port. Should have Dublanced stereo audio output, RS2;2; USB, Ehlernet port. Should have Dublanced stereo audio output, RS2;2; USB, Ehlernet port. Should have Dubli in scaling & video encoding compression Should support Newer – PoE or external power supply. Should support Newer – PoE or external power supply. Should support Newer – PoE or external power supply. Should support Newer – PoE or external power supply. Should support API commands via Ethernet. Should support API commands via Ethernet. Should support API commands via Ethernet. Extra component or equipment may be added to match the complete specs. Extra component or equipment may be added to match the complete specs. | Kramer/ Extron/ Crestron | KDS-DEC7 / NAV SD 501/ DM-NVX-360 | 10 | EA | | |
| 14 | AVoIP Controller | Supply, Installation, Testing & Commissioning of High-performance, highly-scalable, AVoIP Manager for configuration and monitoring of AVoIP deployments. Should support device grouping and group operations. Should support device grouping and group operations. Should be able to setting up all connected encoder/decoder units, including IP configuration, compatibility settings, and extender status are clearly displayed and easily updated. Should be able to setting up all connected encoder/decoder units, including IP configuration, compatibility settings, and extender status are clearly displayed and easily updated. Should be able to access via Remote Web UI or using local monitor with a USB keyboard and mouse. Should support enterprist IT-grades eavily — 800.11 and HTTP/TLS. Security extification and Can be deployed in the same LAN used for AV data streaming or in a separate Loc. | Kramer/ Extron/ Crestron | KDS-7-MNGR/ NAVigator/ NVX-dir-80 | 1 | EA | | |
| 15 | 48 Port Network Switch | Supply, Installation, Testing & Commissioning of 48 Port Network Switch (40x:G PoE+960W and 8xSFP+). Should be non blocking type layer 3 managed switch. Should support IGMP snooping, multicast and unicast addressing required for AvOIP encoders & Decoders. Should support PoE+ on minimum 40 ports | Netgear/ Cisco/ Juniper | Netgear/ Cisco/ Juniper | 1 | | | |
| | | Video Conferencing | System | | | | 1 | |
| 1 | Camera Extension Kit | Supply, Installation, Testing & Commissioning of following 1. Diamote Recent T& R & March 1990 2. Diamote Recent T& R & March 1990 3. Diamote Recent T& R & March 1990 4. Berlin and R & March 1990 4. Diamote Recent T& R & March 1 | Sound Control Technologies | RC4-E4P | 4 | EA | | |
| 2 | Camera Distribution Amplifier | Supply, Installation, Testing & Commissioning of Video Distribution unit for Poly Camera, Integrated RS222 Port to enable camera control via third party control systems, to be used in conjunction with the Extension Kit, Integrated rs2 HDMI Distribution Amplifier(Has to go with SCT as this has to be compatible with Poly VC). | Sound Control Technologies | RC-SDA | 1 | EA | | |
| 3 | Conferencing Controlller | Supply, Installation, Testing & Commissioning of controller for Chairann and Delegate system with follwoing specs - Should have integrated recovering capabilities - Should have integrated works server for control via tablet, smartphone - Should have fight RJ 4g spott - Should have Branch or loop connection (redundancy) between Chairman/Delegate Units - Should have Kanconection for we server or camera control protocol - Plug and Play - XLR out, XLR in, RCA in and two RCA out Equipment should support the specified system architecture to acheive desired functionality | Televic/ Bosch/ Audio Technica | D-Cerno CUR / CCS1000D Control Unit / ATUC-50CU | 1 | EA | | |
| 4 | Delegate Unit | Supply, Installation, Testing & Commissioning of Delegate Discussion unit with gosseneck microphone of minimum 40 cm in length and should have following specs - Should have Microphone someters - Should have Microphone button and better to have volume control button - Should have Microphone button and better to have volume control button - Should have Microphone has bi-colour led ring indication (red / green). Microphone with minimum 400mm Gooseneck Length - Better if gossence Amicrophone has bi-colour led ring indication (red / green). Microphone with minimum 400mm Gooseneck Length - Should have Polar Pattern: Unidirectional or Cardiod. Mas SPL @ iAHz: 10 dB SPL (13; THD-N) or higher. S/N Ratio: > 67 dB(A) or better. sensitivity: -40 dBV @ iPa, iKHz or better. Connection: Servei Lock i spec FOLM. Better III has Headphone connector. Equipment should support the specified system architecture to achieve desired functionality | Televic/ Bosch/ Shure | D-Cerno D SL+ D-MIC 40 SL / CCSD-DL / ATUC-50DU + ATUC-M43H / | 40 | EA | | |

| Supply, Installation, Testing & Commissioning of Chairman Discussion unit with gooseneck microphone of minimum 40 cm in length and should have following specs - Should have Microphone connector - Should have Microphone button and better to have volume control button - Should have Microphone Dutton and better to have volume control button - Should have Microphone Dutton and better to have volume control button - Should have Microphone Dutton and better to have volume control button - Should have Microphone Dutton and better to have volume control button - Should have Microphone Dutton and better to have volume control button - Should have Microphone Dutton and better to have volume control button - Should have Microphone Dutton and better to have volume control button - Should have Microphone Dutton and Dutton (red / green). Microphone with minimum 40 cmm Gooseneck Length - Should have Microphone Dutton (red / green). Microphone Vich Titla No. (Str. J. N. Have No.) or higher. S/N Ratio: > 67 dB(A) or better. sensitivity: -40 dBV @ 1Pa., 1KHz or better. Connection. Screw Lock / aper COM. Better if thas Headphone connector. Equipment should support the specified system architecture to achieve desired functionality | | D-Cerno C SL+ D-MIC 40 SL / | | | | | |
|--|---|--|--|---|---|--|---|
| | Televic/ Bosch/ Shure | CCSD-DL / CCSD-DL / ATUC-50DU + ATUC-M43H / | 5 | | EA | | |
| | n | | | | | | |
| Supply, installation, Testing & Commissioning of Control system with Touch Panel should have have mainimum 8 bidirectional RS:232, 8 IR, 8 Relays and 8 GP/IO and 1 Ethernet port to control all the devices in the room. Should have inhulf pocessing power and internal storage to store and process the control program. Should have inhulf pocessing power and internal storage to store and process the control program. Should have inhulf pocessing power and internal storage to store and process the control program. Should have inheriting the control power and internal storage to store and process the control program. Should have inheriting the control power and internal storage to store and process the control program. Should have store the forcility to add with minimum have. Should have status LED to check for Control/Control post strings. Should have status LED to check for Control (Control on status. It should have inhight to possing power and internal storage to store and population Certification: C. RJS 0900, 1103 (2000, OHSAS 1800). Supply, Installation, Testing & Commissioning of 10-inch, IPS, multi-touch, touch panel with 1920xr200 resolution, Quad Core A53, 4GB RAM, 32GB ROM PoE and power adapter | Kramer/ Estron/ Crestron | SL-280 with KT-2010 / IPCP Pro 555Q xi with TLP Pro 1025T CP4 with TS-1070-B-S | 1 | | EA | | |
| Supply, Installation, Testing & Commissioning of Wineless touch controller with minimum to linch screen, 64GB storage, WiFi connectivity and Docking station Should have 2000 USBC- Cover Adapter with LED backlik Multi-Touch display and IPS technology Should have 250cut64-0 pixel resolution at 264 pixels per inch (ppi) 300 nits brightness Should have Ingerprint-resistant olophobic ocaling Rivideo recording 42 d fps. 25 (fps. 30 fps 07 60 fps Wi-Fi 6 (802.11ac) with 222 MIMO: speeds up to 1.2 Gbps Should have Simultaneous dual band, Bluetooth 5.2 Touch ID, Three-axis gyro, Accelerometer, Barometer, Ambient light sensor. Should suppot iPadOS 16/Android 13 | Арріе | I-Pad 64 GB Wifi | 1 | | EA | | |
| Supply, Installation, Testing & Commissioning of Wireless Access point, 2.4gbz And 5gbz N600 Wireless Gigabit Ceiling Mount Access Point, 600 Mbps, | Netgear/ Linksys/ TP-Link | WNDR3400/ LAPN600/ TL-WDR3500 | 1 | | EA | | |
| Installation Eminance | at | | | | | | |
| | | | | | | | |
| - Should be able to support max load of 45 kg - Should support Vesa Mount from 50x50 to 600x400 - Should be made of steel | Lumi/ B-tech /Logic | LP42-64AF / BT8320 / LVSXUP | 4 | | EA | | |
| - Should have free tilting and swivelling - Should support a minimum weight of 39 kg | Lumi/ B-tech / Logic | FS11-46T / BT8504 / LG-EMERALD 1 | 1 | | EA | | |
| Supply, Installation, Testing & Commissioning of Ceiling Mount for 65" Display -Should support max load of 50kg -Should support of VESA mount of 200x200 to 600x400 -Should be made of steel | Logic/Lumi/Chief | Logic/Lumi/Chief | 4 | | EA | | |
| Supply, Installation, Testing & Commissioning of Celling Mount for Camera mounting for existing Poly Camera | Logic/Lumi/Chief | Logic/Lumi/Chief | 4 | | EA | | |
| Should have and by the West pins. 42:20, Deep Coor Should support Data Transfer are of optoo minimum isoGBps. Should support of upto da bit Deep Color. Connectors must have a minimul locking capability to prevent ousting of cables from ports. Should have an overall shield against EMI/RFI interference. Should he Cl_2 flame tested. | Kramer/Crestron/ Extron | C-HM/HM-10 / HDMI Ulray/y/ CBL-8K-HD-9 | 1 | | EA | | |
| Singply, Installation, Terining & Commissioning of High Speed HDMI Male to Male Cables 6 feet Should be High Speed with Ehrenzent HDMI Cable. Singplort signals up to a Kg660Hz (42:02), Deep Color Should be support Signals up to a Kg660Hz (42:02), Deep Color Should be support Data Transfer rate of tupto minimum toGBps. Should support Option 2 for Upda Bit Bit Deep Color. Connectors must have a minimal locking capability to prevent ousting of cables from ports. Should support overall shield against EMJ/RFI interference. | | C-HM/HM-6 / | | | | | |
| | Supply, Installation, Testing & Commissioning of Carbon years with Touch Panel should have have minimum 8 bidinectional R8:32.8.8 Hz 8 Relays and 8 GP/10 and 1 Ethermet port control and the devices in the norma. Should have inhult or external IR senser/name to them IR commands Should have inhult or external IR senser/name to them IR commands Should have inhult or external IR senser/name to them IR commands Should have simple with any (GOA/Ando) wirkens or world Touch are reas of any sin. Additional post if required on her added with minimum hasks. Should have simple with any (GOA/Ando) wirkens or world Touch are reas of any sin. Additional post if required on her added with minimum hasks. Should have simple a Commissioning of Wireless touch controller to the Societ Should have simple a Commissioning of Wireless touch controller with minimum to herein, 64CB storage, WIP connectivity and Docking station Should have with SUS-Cover Adapter Should have Simple & Commissioning of Wireless touch controller with minimum to herein, 64CB storage, WIP connectivity and Docking station Should have Wing for this Docking that book charted by the Societ Should have Simple result in the should have the storage of the Societ Should have Simple result in the should are storage of the storage of the Societ Should have Simple result in the should are storage of the Societ Should have Simple result in the should are storage of the storage of the Societ Should have Simple result in the should are storage of the storage of the storage of the Societ Should have Simple result in the should are storage of the | protectional all the decision in resource. Support for resource all the decision in resource all the decis all the decision in resource all the decision | Imply, Institution, Yoring & Commission of Charle Neural Neura Neural Neural Neural Neural Neural Neural Neural Neural Neural | Imply: Imply:< | psp:// hubbles/ psp:// hubbles/ <tdp< td=""><td>$\frac{1}{100} p_{1}, \frac{1}{100} p_{1}, \frac{1}$</td><td>Inspire functions, funct & Constraining of Constraining</td></tdp<> | $\frac{1}{100} p_{1}, \frac{1}{100} p_{1}, \frac{1}$ | Inspire functions, funct & Constraining of Constraining |

| 7 | HDMI Cable 3 Feet | Sapply. Installation, Testing & Commissioning of High Speed HDMI Male to Male Cables 3 feet Should be High Speed with Bherneru HDMI Cable. Sapports signals up to 4 & 60 eOHz (4:=0), Deep Codor Should apport Data Transfer rate of upto minimum roGBps. Should apport of up do 8 bit Deep Codor. Connectors must have a minimal locking capability to prevent ousling of cables from ports. Should apport or evail a hield against EMI/RFI interference. Should be CL2 flame tested. | Kramet/Crestron/ Extron | C-HM/HM-3 / HDMI Ultra/3 / CEL-8K-HD-3 | 20 | EA | | |
|----|---|--|--------------------------------|---|----|-----|---|---|
| 8 | Cable Cubby Type 1 | Supply, Installation, Tseting & Commissioning of Retractable Cable Cabley with 1 x HDMI retractor, 1 x LAN retractor, 2 USB Charging 2.0, 2 x Power. Should be retranctable Lid. Should be retractable Lid. Should be modular in design. Should have the enclosure, an inner frame, a power socket, inserts and a power cord. | Kramer/ Extron/ Crestron | TBUS-10XL/ FT2-700-PTL/ CableCubby 700 | 13 | EA | | |
| 9 | Cable Cubby Type 2 | Supply, Installation, Testing & Commissioning of Retractable Cable Cubby with 1 x HDMI retractor, 1 x USB 3,0 retactor, 1 x LAN retractor, 2 USB Charging 2.0, 2 x Power. Should be retractable Lid. Should be netwing in design. Should be motil in design. | Kramer/ Extron/ Crestron | TBUS-10XL / FT2-700-PTL / CableCubby 700 | 3 | EA | | |
| 10 | Accessories, Cable Connector , patch cables etc | Supply, Installation, Testing & Commissioning of CAT6 cables, speaker cables, Mic Cables, Patch Cables, USB Patch cables, USB Active Extender Cables etc | Kramer/ Extron/ Belden | Kramer/ Extron/ Belden | 1 | LOT | | |
| 11 | AV rack Type 1 | Supply, Installation, Testing & Commissioning of 42U Equipment Rack with silent fans, shelves, PDU & Adjustable mounting, leveling feet included , Cable pass-through in top & bottom of rack Vertical cable management bar, Multiple stationary shelves | Valrack/ NavePoint/ APC | ProTek / MidDepth/ Flexibox | 1 | EA | | |
| | | Sub-total 46 Pax Conference Hall 7 | 'E of (C) | | | | | |
| D | | Board Roc | om 7A | | | | | |
| 1 | Ceiling Mount Speaker | Supply, Installation, Testing & Commissioning of minimum 4 inch, 2-way, Pull Range, Ceiling-mount loudspeaker. Rated Power - 16Watts, Sensitivity-89 dB SPL, Coverage Angle (- 6 dB)-1407 (500 Hz to 5 Hz), Maximum SPL Continuous/Peak-101dB1/07dB, Rated Impedance - 8 Ohms. Transformer Tapping -7xV100V(to, 8, 4, 2 watts). Transducer - 4, 4-inch Polytropylence cow Hib buyl rubber surround, Material - Painted ABS polymer Baffle and Power coaned steel grille. Safety rating - UL1480, UL2x043. Mounting nails and C-Ring for ceiling file included. | QSC/ Bose/ Martin Audio | AC-C4T / FS4CE / C4.8T | 6 | EA | | |
| 2 | Column Speaker | Supply, Installation, Testing & Commissioning of Column surface-mount loudspeaker. Multiple Transducer of minimum 2.75 in (69.8 mm) cone woofer. Frequency range- 90 Hz – 17 kHz, Rade noise power / voltage- 120 watts / 31 volts (rms). Testilistivity- 87db . Coverage (-6.db) - 160 x 20, 500Hz : 180 x 30, KHz: 180 x 32, 2kHz: 160 x 22, 4kHz: 160 x 22, | QSC/ BOSE/ Renkus Heinz | AD-S802T/ MA12 / UBX8 | 2 | EA | | |
| 3 | Dual Channel Amplifier | Supply, Installation, Testing & Commissioning of a channel claser. Damplifier with 60 swits/channel into: Inve-Zloads. Signal to Asias support (A weighted, 20 Hz-20 kdg, Frequency Response-20 Hz - 20 Micro-Never, per channel Signal, per channel Protect/Limit, better to Energy Star compliant with all mounting accessories included. Equipment should support the specified system architecture to achieve desired functionality. | QSC/ Bose/ Martin Audio | SPA2-60/ IZA120-HZ/ Revamp2060T | 1 | EA | | |
| 4 | Quad Channel Amplifier | Supply, Installation, Testing & Commissioning of a channel class-D amplifier with 65 vatts/channel into Low-Zloads, a channels can also be bridged in pairs, each pair providing up to 100 vatts miss into 4 / 8 ohmo rule y sutts miss into 2007/1000/ Signal to Noise (A weighted, Dirk-20 kTJ) - 000 dB, Prequence, Response DF - 20 kTJ, Jupt Sensitivity 1.23 Yrms (+4 dBu), Input Impedance->10 kΩ (balanced), >10 kΩ (unbalanced), Front Panel Indicators-Power, per channel Signal, per channel Protect/Limit, compact in Size. Mounting hardware included | QSC/ Bose/ Martin Audio | SPA4-60/ IZA-2120-HZX 2/ Revamp4120T | 1 | EA | | |
| 5 | Digital Signal Processor | Supply, Installation, Testing & Commissioning of audia, processing system with any combination required as per system architecture like 8 mic/line level analog audio inputs. 8 line level analog audio autysts, mic/line level analog audio inputs or autymic by to to assignable and rustable AEA processor instances, POTS and VOIP for letterphony, USB-B port for AV-USB Bridging and configurable up to foxtG channels. ISBX128 Network Audio channels (AESG/Dante), Input Frequency Response-2018 to 2xkHz (# + 2xdBL.Input Impedance Channed)-5K Ohms Nominal, Jnux Hesniki Wang (dd Stepse)-39 dB unit no + 24 dB unax, A/D - DA/Converters - 2x+hz (B, angling Bate-4gBHz, Input Impedance (balanced)-5K ohms nominal, Output Dynamic Ranges - to8dB, Inbuilt to Multitrack Player capacity Front Parale monochrome OLED with capacitive touch buttons for acting. Control and integrate external devices using TCP/IP, R52y2. Equipment should support the specified system architecture to acheive desired functionality | QSC/ Biamp/ Symmetrix | Core 110F / Tesira Server J/O / Prism 16x16 | 1 | EA | | |
| | | Video System | | | | | | |
| 1 | 136" LED Wall | Supply, Installation, Testing & Commissioning of 136° Display with 1920 x 1080 resolution having Contrast ratio more than 3000:1, minimum brightness 500 nits having pixel pitch not more than 1.6 mm, indoor application | LG / Planar / Samsung | LAEC015 / MG015 / | 1 | EA | | |
| L | 1 | | | 1 | | | 1 | 1 |

| | | Supply, Installation, Testing & Commissioning of Professional electrically netractable 17.3" videscreven FULL HD monitor with 20 degrees of automatic inclination to be integrated into furmiture. Should have Solid aluminium monitor housing in natural anolised finishing with a black edged anti-reflection gates. Should have modern and elegant design with round corners. Up-table cover plate in brushed statiness stell. DV1 and DV1-01 HDC compliant inputs. Should have if mystem with etitical engine activated through | | | | | |
|----|---------------------------------|--|---|--|---|----|--|
| 2 | 17" Motorised Touch Display | integrated push buttons in the cover plate, external GPI controls (contact closure) or AHnet Protocol (RS422) through CAT 5 cable with loop-through, addressing and termination switch. | Arthurn Holm / Albiral / ElementOne | AH17DX2HDGA Touch ALB17HDMR with Touch/ CONVERS BLADE 173 FullHD Touch | 3 | EA | |
| 3 | 17" Motorised Non-Touch Display | Supply, Installation, Testing & Commissioning of Professional electrically retractable '15,3' widescreen FULL HD monitor with a degrees of automatic inclination to be integrated into furnitures. Solid administra monitor housing in a natural anoided finishing with a black cheef an in-reflection glass. Modern and elegant design with round corners. Up-table cover plate in brushed stainless steel. DVI-1 and DVI-D HDCP compliant inputs. Lift system with electrical engine activated through integrated push buttons in the cover plate, external GPI controls (contact closure) or AHnet Protocol (RS422) through CAT 5 cable with loop-through, addressing and termination switch. | Arthurn Holm / Albiral / ElementOne | AH17DX2HDGA Glass ALB17HDMR / CONVERS ONE 173 FullHD | 8 | EA | |
| 4 | Wireless Collaboration System | Supply, Installation, Testing & Commissioning of Wireless Multimedia presentation and collaboration system for plaving, sharing, and collaborating on digital content from a wide variety of devices with RVD (Ring you one devices) and with integrated with theobard and collo connectivity. Main Master control unit for AV-sver-IP collaboration solution. Device runs on a Linux read-only operating system and has numerous built in security features. The image output must be able to support 44. UHD. The device mash beap device to Low Interface with two Low Interfaces and one separate WiAN modules. The device can be operated as a stand-alone system or be integrated into an existing network. Stand-alone operation must support the IMEs. The device must be able to allow other devices to connect to it. (Access Point Mode) or via WLAN. The channels in the UNIT-1 and UNIT-2 hand must be support 44. WIHD : Alcess Point Mode) or via WLAN. The channels in the UNIT-1 and WLHD examples. The support 44. WHB resolution supporting devices Up to 44. UHD: 2 hard must be able to allow other devices is connect to it. (Access Point Mode) or via WLAN. The channels in the UNIT-1 and WLHD examples to a stand-alone system. (Mash and WLHD examples to allow steps) and stand-face system of the Sing and Minecate protocol. (Acvices simultaneosly displaying on same screen. Also apports dual Steren function. Microsoft 56, fittergation. Sparport for Touch Screen Display. Stond to HMM examples to all steps of the divent protocols and the step stand with a stand-alone step step stand. Acvices from Mode, Sing and Minecate protocols. (Arvices, Fitter Mode) or the stand and the stand a | Wolfvision / TrV / | Cynap Pro with Software Feature Pack / TiV Hub with Software/ | 1 | EA | |
| 5 | AVoIP Extender | Supply, Installation, Testing & Commissioning of AVOIP collaboration system for playing, sharing, and collaborating on digital content. The device must be able to be a part of AV- Over-IP Solution allowing fad users to anotate on content shown on the main singlay. The output of the device must support minimum full IBI 05060 resolution. The USB connection on the device must be able to receive touch commands from the touch display. The solution must be acailable depending on the number of participants who wish to annotate and ase the content on the triandrikal display. The system is an AV over-IP based collaboration solution that connects up to a journable devices, shares video and audio main unit can display content on-screen from different stations on the main screen, or forward the signal to all other stations for display. | Wolfvision/ Kramer/ Extron | Cynap Pure Receiver / KDS-EN7 + KDS-DEC7 / NAV E 501 + NAV SD 501 | 2 | EA | |
| 6 | Recorder & Streamer | Supply, Installation, Testing & Commissioning of Recording & Webcasting Hardware, Recording, Streaming and Webcasting simultaneously, Buill-in, a Inputs (HDMI, 1/P/3C- SDV/DVI) HDMI Out, Can record upto any three inputs simultaneously in a single frame and as well as individual sources simultaneously, Should have minimum iTB inbuilt storage. | Lumens/ MediaPOINTE / Mediasite | LC200 / DMR HD3 / RL 760 | 1 | EA | |
| 7 | AVoIP Encoder | Supply, Instillation, Testing & Commissioning of AVoIP Eacoder Should be AVOIP Eacoder for AKOA e2: 00 ever 1G network. Should have 1HDMI input t& 1HDMI loop ortput. Should have 1Malanced steres audioinput, 1852;22, 1USB host, Ethernet port. Should have 1Malanced steres audioinput, 1852;22, 21 USB host, Ethernet port. Should have 1Malanced steres audioinput, 1852;22, 21 USB host, Ethernet port. Should have enterprise IT-grade security - 8 doc at and HTTFN/TLS. Should have enterprise IT-grade security - 8 doc at and HTTFN/TLS. Should have put of the Thort panel navigation buttons. Should support API commands via Ethernet front panel navigation buttons. Should support API commands via Ethernet front panel navigation buttons. Should support API commands via Ethernet front panel navigation buttons. Should support API commands via Ethernet front panel marking to the support. Extra component or equipment may be added to match the complete specs. Equipment should support the specified system architecture to achieve desired functionality | Kramer/ Extron/ Crestron+ED117:E117 | KDS-EN7 / NAVE 501 / DM-NVX-360 | 9 | EA | |
| 8 | AVoIP Decoder | Supply, Installation, Testing & Commissioning of AVoIP Decode for 4K66 4:2:0, over 1G network, 1 HDMI output Should have th DMI output, better if it supports HDMI input. Should have th DMI output, better if it supports HDMI input. Should have built in scaling & video encoding compression Should support Perform the entry in Figura and the encoding compression Should support Newer – D&G or external power supply. Should support Power – D&G or external power supply. Should support Power – D&G or external power supply. Should support Power – D&G or external power supply. Should support Power – D&G or external power supply. Should support Power – D&G or external power supply. Should support Power – DAG or external power supply. Should support PAP commands via Ethernet. Should support API commands via Ethernet. Should support API commands via Ethernet. Extra component or equipment may be added to match the complete specs. Extra component or equipment may be added to match the complete specs. | Kramer/ Extron/ Crestron | KDS-DEC7 / NAV SD 504/ DM-NVX-360 | 8 | EA | |
| 9 | AVoIP Controller | Supply, Installation, Testing & Commissioning of High-performance, highly-scalable, AVoIP Manager for configuration and monitoring of AVoIP deployments. Should support device grouping and group operations. Should support device grouping and group operations. Should be able to secting up al Gonceted encoder/decoder units, including IP configuration, compatibility settings, and extender status are clearly displayed and easily updated. Should be able to access via Remote Web UI or using local monitor with a USB keyboard and mouse. Should be able to access via Remote Web UI or using local monitor with a USB keyboard and mouse. Should be able to access via Remote Web UI or using local monitor with a USB keyboard and mouse. Should spaper tearbyrish Tr_grades earlier 49.0000 and HTTP/TLS Security extification and Can be deployed in the same LAN used for AV data streaming or in a separate LAK. | Kramer/ Extron/ Crestron | KD8-7-MNGR/ NAVigator/ NVX-dir-80 | 1 | EA | |
| 10 | Transmitter HDMI USB | Supply, Installation, Testing & Commissioning of 4K60 4:2:0 HDMI PoE Transmitter with USB, Ethernet, RS-232, IR & Stereo Audio Embedding over Extended-Reach HDBaseT 2.0 and 4K60 4:2:0 HDMI PoE Receiver with USB, Ethernet, RS-232, IR & Stereo Audio De-embedding over Extended-Reach HDBaseT 2.0 | Kramer/Extron/ Crestron | TP-590TXR DTP HDMI 4K 330 Tx+USB Extender Plus T DM-TX-201-C+USB-EXT-2-LOCAL | 1 | EA | |
| 11 | Receiver HDMI USB | Supply, Installation, Testing & Commissioning of 4K60 4:2:0 HDMI PoE Receiver with USB, Ethernet, RS-223. IR & Stereo Audio Embedding over Extended–Reach HDBaseT 2.0 and 4K60 4:2:0 HDMI PoE Receiver with USB, Ethernet, RS-232. IR & Stereo Audio De–embedding over Extended–Reach HDBaseT 2.0 | Kramer/Extron / Crestron | TP-390RXR/ DTP HDMI 4K 330 Rx+USB Extender Plus R/ DM-RMC-4KZ-100-C+USB-EXT-2-REMOTE | 1 | EA | |
| 12 | 1:4 HDMI Distribution Amplifier | Supply, Installation, Testing & Commissioning of 1:4 HDMI distributor up to 4K HDR, HDMI signals with HDCP 2:2 with Max. Data Rate — 17.82Gbps (5.94Gbps per graphic channel), 4K@60HE (4.4.4), HDR, HDCP 2:2 compliant signal, supporting deep color, x.v.Color ²⁰ , lip sync, 7:1 PCM, Dolby TrueHD, DTS-HD, CEC (OUT 1 only), 2K, 4K, and 3D as specified in HDMI 2:0 | Kramer/ Extron/ Crestron | VM-4H2 / D44 HD 4K PLUS / HD-DA4-4KZ-E | 2 | EA | |
| 13 | 48 Port Network Switch | Supply, Installation, Testing & Commissioning of 48 Port Network Switch (arxiG PoE+ 960W and 8kSFP+). Should be non blocking type layer 3 managed switch . Should support IGMP snooping , multicast and unicast addressing required for AvOIP encoders & Decoders. Should support PoE+ on minimum 40 ports | Netgear/ Cisco/ Juniper | Netgear/ Cisco/ Juniper | 1 | EA | |

| | | Video Conferencing | System | | | | |
|---|-------------------------------------|--|--------------------------------------|---|------|----|------|
| | | Supply. Installation, Testing & Commissioning of controller for Chairamn and Delegate system with follwoing specs - Should have Integrated recording capabilities | | | | | |
| 1 | Conferencing Controlller | - Should have Integrated web server for control via tablet, smartphone - Should have Branch or loop connection (redundancy) between Chairman/Delegate Units - Should have Branch or loop connection (we be server or camere a control protocol - Plug and Play - XLR out, XLR in, RCA in and two RCA out Equipment should support the specified system architecture to acheive desired functionality | Televic/ Bosch/ Audio Technica | D-Cerno CUR / CCS1000D Control Unit / ATUC-50CU | 1 | EA | |
| | | | | | | | |
| 2 | Delegate Unit | Stupply, Installation, Testing & Commissioning of Delegate Discussion unit with gooseneck microphone of minimum 40 cm in length and should have following specs - Should have Microphone button and better to have volume control button - Should have Microphone button and better to have volume control button - Should have Microphone button and better to have volume control button - Should have Microphone button and better to have volume control button - Should have Microphone button and better to near volume control button - Should have Microphone button and better to near volume control button - Should have Microphone button and better to react the should have following specs - Cables should be included - Better if gooseneck microphone has bi-colour led ring indication (red / green). Microphone with minimum 400mm Gooseneck Length - Should have Polar Pattern: Undirectional or Cardioid. Max SPL e. Hith: 10 d8 SPL (19; THD-N) or higher. S/N Ratio: > 67 dB(A) or better. sensitivity: -40 dBV @ 1Pa, 1KHz or better. Connection: Equipment should support the specified system architecture to acheive desired functionality | Televic/ Bosch/ Audio Technica | D-Cerno D SL+ D-MIC 40 SL/ CCSD-DL/ ATUC-50DU + ATUC-M43H / | 18 | EA | |
| 3 | Chairman Unit | Stupply, Installation, Testing & Commissioning of Chairman Discussion unit with gooseneck microphone of minimum 40 cm in length and should have following specs Should have Microphone button and better to have volume control button Should have Microphone button and better to have volume control button Should have Microphone button and better to have volume control button Should have Microphone button and better to have volume control button Should have Microphone button and better to have volume control button Should have Microphone have beclour led ring indication (red / green). Microphone with minimum 400mm Gooseneck Length Should have Microphone has bi-colour led ring indication (red / green). Microphone with minimum 400mm Gooseneck Length Should have Microphone has bi-colour led ring indication (red / green). Microphone with minimum 400mm Gooseneck Length Should have Microphone Kingophone has bi-colour led ring indication (red / green). Microphone with minimum 400mm Gooseneck Length Should have Microphone Construction and Cardioid. Mass SPL eitHz: 110 dB SPL (US 'TID-N) or higher. S/N Ratio: > 67 dB(A) or better. sensitivity: -40 dBV @ 1Pa, 1KHz or better. Gone Gone Construction. Equipment should support the specified system architecture to acheive desired functionality | Televic/ Bosch/ Audio Technica | D-Cerno C SL+ D-MIC 40 SL / CCSD-DL / ATUC-50DU + ATUC-M43H / | 3 | EA | |
| | | Control System | n | | | | |
| | | Supply, Installation, Testing & Commissioning of Control system with Touch Panel should have have minimum 8 bidirectional RS232, 8 IR, 8 Relays and 8 GP/IO and 1 Ethernet port to control all the devices in the room. | | | | | |
| 1 | Control System Type 1 | Should have inbuilt or external IR senser/harmer to learn IR commands Should have inbuilt processing power and internal storage to show and process the control program. Should have inbuilt processing power and internal storage to show and process the control program. Should have inbuilt processing power and internal storage to show and process the control program. Should have inbuilt processing power interfaces as required. Should have status LED to check for Control/connection status. Should have status LED to check for Control/connection status. Should have status LED to check for Control/Connection status. Certification: C.S. 100 you. 103 you of LEN S& Android application Certification: C.S. 100 you. 103 you of LEN S& Android application Certification: C.S. 100 you. 103 you of LEN S& Android application Stupply, Installation, Testing & Commissioning of 10-inch, IPS, multi-ouch, touch panel with 1920x1200 resolution, Quad Core Acg3, 4GB RAM, 32GB ROM PoE and power adapter | Kramer/ Extron/ Crestron | SL-280 with KT-2010 / IPCP Pro 5555Q xi with TLP Pro 1025T CP4 with TS-1070-B-S | 1 | EA | |
| 2 | Wireless Touch Control | Supply, Installation, Testing & Commissioning of Wireless touch controller with minimum to inch screen, 64GB storage, WiFi connectivity and Docking station Should have 2010 USB-C Power Adapter with LED bucklish Unlui-Touch display and IFS technology Should have 2010 USB-C Power Adapter with LED bucklish Unlui-Touch display and IFS technology Should have 2010 USB-C Power Adapter with LED bucklish Valido Power and Park School Power Power Power Power and Park School Power Pow | Арріе | I-Fad 64 GB Wifi | 1 | EA | |
| | | Supply, Installation, Testing & Commissioning of Wireless Access point, 2.4ghz And 5ghz N600 Wireless Gigabit Ceiling Mount Access Point, 600 Mbps, | | | | | |
| 3 | Wireless Access Point | | Netgear/ Linksys/ TP-Link | WNDR3400/ LAPN600/ TL-WDR3500 | 1 | EA | |
| | | Installation Equip | ment | | | | |
| 1 | Wall Mount Bracket for 136" Display | Supply, Installation, Testing & Commissioning of Wall Mount for 136° Display - Should support minimum of 120 kg - Should support Videowall cabinet mounting as per system requirement to achieve desired functionality | Logic/Lumi/Chief | Logic/Lumi/Chief | 1 | EA | |
| 2 | HDMI Cable 10 Feet | Supply. Installation, Testing & Commissioning of High Speed HDMI Male to Male Cables 10 feet Should be High Speed with Ethernet HIMM Cable. Supports signals up to A&Geörlt (2-20), heep Color Should have 24 gold Pitated pins. Should have 24 gold Pitated pins. Should asynot rot type 48 bit Devel (100 minimum toCBps. Should asynot rot type 48 bit Devel (100 minimum toCBps. Should have on evenal shield against EMI/RFI interference. Should be CL2 flame tested. | Kramer/Crestron/ Extron | C-HM/HM-10 / HDMI Ultra/9 / CBL-8K-HD-9 | 6 | EA | |
| 3 | HDMI Cable 6 Feet | Supply Installation Testing & Commissioning of High Speed HDMI Mate to Male Cables 6 feet Schold he High Speed with Rhemen HDMI Cable. Stoports signals up to 4 Keloritz (42:0). Deep Color Schold have 24; 26; 2014 Hated Juns Schold kay 2014 Up of 8 bit Deep Color. Connectors must have a minimal locking capability to prevent ousting of cables from ports. Schold be CL2 flame tested. | Kramer/ Extron/ Crestron | C-HM/HM-6/ HDMI Ultra/6/ CBL-HD-6 | 10 | EA | |

| 4 | HDMI Cable 3 Feet | Supply, Installation, Testing & Commissioning of High Speed HDMI Male to Male Cables 3 feet Should be High Speed with Ehrene HDMI Cable. Supports signals up to A&FebOH (a 2:0.0), Deep Color Should support Data Transfer rate of upto minimum 10GBps. Should support Data Transfer rate of upto minimum 10GBps. Should support of upto 48 bit Deep Color. Connectors must have a minimal locking capability to prevent outing of cables from ports. Should support correal shield against EMI/RPI interference. Should be CLa finane tested. | Kramer/ Crestron/ Extron | C-HM/HM-3 / HDMI Ultra/3 / CBL-8K-HD-3 | 17 | EA | | |
|---|---------------------------------------|---|--------------------------------|--|-------------------------|--------|---------------|------|
| 5 | Accessories, Cable Connector , patch | Supply, Installation, Testing & Commissioning of CAT6 cables, speaker cables, Mic Cables, Patch Cables, USB Patch cables, USB Active Extender Cables etc | Kramer/ Extron/ | Kramer/ Extron/ | 1 | LOT | | |
| D | cables etc | | Belden | Belden | | | | |
| | | Board Room 7A Lobby area of 7tl | h Floor F wing | | | | | |
| E | | Video System | | | | | | |
| 1 | 55" Display with Customized Kiosk | Supply, Installation, Testing & Commissioning of 55" 4K UHD Display with Customized SS Kiosk for hosting the display and Signage Equipment | LG/ Samsung/ Sony | 55UL3J with Kiosk / QB55 with Kiosk/ FW-55BZ30J with Kiosk | 2 | EA | | |
| 2 | Signage Player | Supply, Installation, Testing & Commissioning of 4K Digital Signage player with 4k6op video decoding Single 1080p60 video decoding Dual HD video Containers: I.s., mor, ang. ank/ Full IB Video Containers: I.s., mog, 2000 and H.264 at 300 Full IB Video Containers: I.s., mog, 2000 and H.264 at 300 Full IB Video Containers: I.s., mog, 2000 and H.264 at 300 Full IB Video Containers: I.s., mog, 2000 and H.264 at 300 Full IB Video Containers: I.s., mog, 2000 and H.264 at 300 Full IB Video Containers: I.s., mog, 2000 and H.264 at 300 Full IB Video Containers: I.s., mog, 2000 and H.264 at 300 Full IB Video Containers: I.s., mog, 2000 and H.264 at 300 Full IB Video Containers: I.s., mog, 2000 and H.264 at 300 Full IB Video Containers: I.s., mog, 2000 and H.264 at 300 Full IB Video Containers: I.s., mog, 2000 and H.264 at 300 Full IB Video Containers: I.s., mog, 2000 and H.264 at 300 Full IB Video Containers: I.s., mog, 2000 and H.264 at 300 Full IB Video Containers: I.s., mog, 2000 and H.264 at 300 Full IB Video Containers: I.s., mog, 2000 and H.264 at 300 Full IB Video Containers: I.s., mog, 2000 and H.264 at 300 Full IB Video Containers: I.s., mog, 2000 and H.264 at 300 Full IB Video Containers: I.s., mog, 2000 at 300 at 3 | BrightSign / Scala | HD1025 / Media Player-S-AP | 2 | EA | | |
| 3 | HDMI Cable 6 Feet | Supply, Installation, Testing & Commissioning of High Speed HDMI Mate to Male Cables 6 feet Should be High Speed with Elsernet HDMI Cable. Should be High Speed with Elsernet HDMI Cable. Should support Logid Fland pits. Should support Data Transfer rate of upto minimum JOGBps. Should support Outpod Shi Deep Color. Connectors must have a minimal locking capability to prevent ousting of cables from ports. Should be CL2 flame tested. | Kramer/ Extron/ Crestron | C-HM/HM-6 / HDMI Ultra/6 / CBL-HD-6 | 2 | EA | | |
| Е | | Lobby area of 7th Floor E wi | ng | 1 | 1 | 1 | | |
| F | | Providing Comprehensive Annual maintenance Contract and provision of Resident Eng | ineers at NABARD He | ad Office as per terms and conditi | ions specificied in the | tender | | |
| | | Description | Years | Amount quoted per years | | | fotal(3 X 4) | |
| | 1 | 2 | 3 | 4 | | | 5 | |
| | Comprhensive Annual Maintenance | Comprehensive AMC for 4 years from the completion of Defect Liability Period as per terms and condition of Tender | 4th Year | | | | | |
| | | | 5th Year | | | | | |
| | | | 6th Year 7th Year | | | | | |
| | One Resident Engineer for duration of | 7 Should be minimum qualification of Diploma in any technical stream such as Electronics, Computers, IT, Electrical, Instrumentaion etc | 1st Year | | | | | |
| 1 | years (3 years DLP + 4 years) e | Should have minimum of 2 years of similar experience of working as Residential Engineer with sound knowledge of AV devices Should be available during working hours, on all working days, to setup and keep the meeting rooms ready for smooth functionality of the meetings. Certification from AVIXA will | 2ns Year | | | | | |
| | | be an added advantage. Alternate resource should be made available in case of absence of the actual resource. | 3rd year | | | | | |
| | | In case if required the resource should be available on weekends or national holidays. | 4th year | | | | | |
| | | | 5th year | | | | | |
| | | | 6th year | | | | | |
| | | | 7th Year | | | | | |
| F | | Sub total for CAMC and Resident Engineer | | | | | | |
| G | | BUYBA | ACK | | | | | |
| 1 | BUYBACK | Rebate for dismantling, buying back and taking away all equipment of existing in old AV system as indicated in Sr.No. 19 of Notice Inviting Tender | | | | | | |
| | | Total(A+B+C+D+E+F-G) | I | | | | | |
| | | GST @ 18% | | | | | | |
| | | Grand Total | | | | | | |
| | Note | Granu rotai | | | | | | |
| | Note : | | | | | | | |

| a | The Defect Liability Period(Warranty) will be for 3 years from the date of Virtual Completion and the relevant clauses of the technical bil will be treated accordingly. |
|---|--|
| b | Comprehensive AMC charges shall be quoted separately for 4th, 5th, 6th and 7th Year whereas charges for Resident Service Engineer |
| c | The quoted rates confirm to the instructions to bidders and general conditions of contract |
| d | It is mandatory to quote for all the items of the price bid and L1 will be decied on the basis of total quoted amount. |
| e | It is mandatory to obtain insurance as specified in the tender document |
| f | The contractors are advised to visit at site and fully satisfy themselves with the existing site conditions & requirements for smooth working quantity assessments etc. before quoting the rates and for assessment of the requisite length of wiring etc. |
| g | The bidder will clearly mention the model number and make of the quoted product in the technical bid. |

Accepted all terms and conditions

Authorized signatory