पनवेल महानगरपालिका

जाहीर निविदा दरपत्रक

पनवेल महानगरपालिका हद्दीतील प्रभाग समिती 'क' प्रभाग क्र.14 मधील भूखंड क्र.04, सेक्टर -16, नविन पनवेल (प.) या भूखंडावर पनवेल महानगरपालिकेचे 'स्वराज्य' मुख्यालय इमारतीचे अंतर्गत सजावट व इतर अनुषंगीक कामे करणे. (टप्पा 2 सुधारित) या कामाचे अंदाजपत्रक बनविण्याकरीता बाजार भाव मागविणे बाबत.
या कामाचे अंदाजपत्रक बनविण्याकरीता खाली नमूद केलेल्या बाबींकरीता खालील नमूण्यात दर मागविण्यात येत आहे.

अ.क्र.	कामाचे नाव	मुदत
१	पनवेल महानगरपालिका हद्दीतील प्रभाग समिती 'क' प्रभाग क्र.१४ मधील भूखंड क्र.०४, सेक्टर -१६, नविन पनवेल (प.) या भूखंडावर पनवेल महानगरपालिकेचे 'स्वराज्य' मुख्यालय इमारतीचे अंतर्गत सजावट व इतर अनुषंगीक कामे करणे. (टप्पा २ सुधारित) या कामाचे अंदाजपत्रक बनविण्याकरीता बाजार भाव मागविणे बाबत.	२४/१०/२०२६ ते ३/११/२०२६ (१० दिवस)

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
				AV VC			
1	Signage Display	ViewSonic/Sony/NEC	Viewsonic CN6501-1C + Signage	SITC of the proposed 65-inch commercial 4K UHD presentation display having an intuitive signage player that supports various content formats, scheduling, and uninterrupted playback, wireless casting with AirPlay and Miracast for seamless connectivity, native 3840 x 2160 resolution, minimum 520-nit brightness, 5000:1 contrast ratio, 178° viewing angles, anti-glare surface, minimum 50,000-hour backlight life, and continuous 24/7 landscape/portrait operation. It shall provide a minimum of two HDMI 2.1 inputs with HDCP 2.2, USB-C with DisplayPort video and a minimum 15 W power delivery, USB media ports, LAN, RS-232 control, integrated 2 x 10 W speakers, VESA mounting, remote, power cable.	4	Nos	
2	Ceiling Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty Ceiling mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	4	Nos	
3	Way Finder	Aero/Vtouch/BRX	Aero	SITC of 55" touch Display Way Finding Kiosk	2	Nos	
4	Cables & Connectors	Custom / Reputed	Custom / Reputed	SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1	Nos	
5	Device	Make	Model	Specifications cafeteria			
6	Display	ViewSonic/Sony/NEC	Viewsonic CN5501-1C	SITC of the proposed 55-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	9	Nos	
7	Ceiling Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty ceiling mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	4	Nos	
8	Wall Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-Wall ceiling mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	5	Nos	
9	Cables & Connectors	Custom / Reputed	Custom / Reputed	SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1	Nos	
10	Device	Make	Model	Specifications amphitheter			
11	FOH Speakers	D&B/Tannoy/Biamp	Biamp IP6-1122WR26	SITC of the proposed weather-resistant two-way full-range installation loudspeaker having one 12-inch low-frequency driver and one 1.4-inch exit high-frequency compression driver on a rotatable constant-directivity waveguide; nominal coverage 120° horizontal x 60° vertical; operating range minimum 37 Hz–17.5 kHz; passive or bi-amplified operation with DSP; passive impedance 8 ohms, continuous power handling minimum 600 W and peak power handling minimum 2,400 W; sensitivity minimum 94 dB SPL (1 W/1 m), maximum output minimum 122 dB continuous and 128 dB peak. The enclosure shall be suitable for outdoor use with minimum IP55W protection, sealed input cable/gland, corrosion-resistant grille and certified rigging points. Complete mounting/rigging hardware, DSP presets, weatherproof terminations, safety hardware shall be included.	2	Nos	
12	Speaker Mounting	Custom / Reputed	Custom / Reputed	SITC of the proposed heavy-duty loudspeaker mounting structure compatible with the offered FOH loudspeaker as per site requirement. It shall include all adapters, fasteners, safety cables and accessories required for complete operation.	2	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
13	Amplifier	D&B/Tannoy/Biamp	Biamp ALC-404D	SITC of the proposed four-channel networked amplified loudspeaker controller having integrated 48 kHz DSP and Dante/AES67 or equivalent; minimum 4 x 400 W into 2/4/8 ohms or 70/100 V, shared power minimum 1,200 W, bridge mode minimum 800 W; four analog plus four network inputs; FIR/IIR EQ, crossover, delay, loudspeaker presets, RMS/peak/current limiting, load/fault monitoring and remote control; 20 Hz–20 kHz response, THD+N below 0.1%; 1RU rack chassis.	1	Nos	
14	Audio Mixer	Yamaha/Shure/Studio Master	Yamaha MG12X	SITC of the proposed professional 12-channel analog audio mixing console having 12 line inputs comprising four mono mic/line channels, two mono/stereo mic/line channels and two stereo line channels; minimum six microphone inputs with +48 V phantom power and high-pass filtering; discrete low-noise Class-A microphone preamplifiers; one-knob compressors on minimum four mono channels; three-band EQ on mic channels; one stereo bus, two group buses and two auxiliary buses including effects; minimum two stereo outputs, monitor output, two auxiliary sends, two group outputs and headphone output. The mixer shall include a built-in digital effects processor with minimum 24 programs, frequency response at least 20 Hz–48 kHz, THD+N not exceeding 0.03% over 20 Hz–20 kHz, universal 100–240 V AC power supply, rugged metal chassis and all required power/audio cables.	1	Nos	
15	Bodypack Tx	Shure/Sennheiser/AudioTechnica	Shure SLXD1+=-G65	SITC of the proposed Digital wireless bodypack transmitter in the approved Indian frequency band, having 24-bit digital audio, minimum 8-hour operation, rechargeable-battery compatibility, locking microphone connector and coordinated frequency setup; WPC/statutory approval required. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime.	1	Nos	
16	Lapel Mic	Shure/Sennheiser/AudioTechnica	Shure WL185MB/C-TQG	SITC of the proposed Cardioid lavalier condenser microphone having miniature form factor, locking TQG connector, speech-optimized response, supplied windscreen and clothing clip; compatible with specified bodypack transmitter. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime.	1	Nos	
17	Handheld Mic	Shure/Sennheiser/AudioTechnica	Shure SLXD2+/B58=-G65	SITC of the proposed Digital wireless handheld transmitter having professional supercardioid dynamic capsule, approved Indian frequency band, 24-bit digital audio, minimum 8-hour operation and rechargeable-battery compatibility; WPC/statutory approval required. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime	1	Nos	
18	Wireless Receiver	Shure/Sennheiser/AudioTechnica	Shure SLXD4Q+IN=-G65	SITC of the proposed Professional digital wireless receiver in the approved Indian frequency band, having networked frequency scan/coordination, balanced audio outputs, rack mounting, remote monitoring and Dante/AES67 where specified; WPC/statutory approval required. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime	1	Nos	
19	Weatherproof- Wall Connectivity Panel	Custom / Reputed	Custom / Reputed	SITC of the proposed weatherproof wall-mounted AV connectivity panel suitable for outdoor use, housed in a robust corrosion-resistant enclosure having minimum IP65 protection with gasketed lockable cover, cable glands and sealed connectors. The panel shall provide minimum two professional locking speaker output connectors compatible with the offered amplifier and loudspeakers, together with a suitably rated AC power outlet and isolating MCB/RCCB protection as required by the approved electrical scheme. Power and audio connections shall be physically segregated, clearly labelled and properly earthed. Complete enclosure, internal wiring, terminal blocks, mounting hardware, glands, weather seals, connectors, protective devices and accessories shall be included. The panel shall be installed at the approved location and tested for continuity, polarity, insulation, earthing, connector operation and weather sealing; exact connector configuration, electrical rating and enclosure dimensions shall be submitted for approval before installation.	1	Nos	
20	AV Rack	Valrack / Cisco / WD	Valrack 15U AV RACK	SITC of the proposed 15U AV equipment rack, minimum 600 mm width and depth selected to suit the deepest equipment plus cable bend radius, having robust welded/knock-down steel construction, lockable perforated front/rear doors, removable lockable side panels and adjustable mounting rails. The rack shall include forced ventilation sized from the submitted heat-load calculation, vertical and horizontal cable managers, earthing bar, minimum 6-way PDU with MCB and surge protection, equipment shelves, blanking panels, castors and levelling feet. The Bidder shall include all cage nuts, fasteners and accessories required for complete installation.	1	Nos	
21	Cables & Connectors	Custom / Reputed	Custom / Reputed	SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1	Nos	
22	Device	Make	Model	Specifications multiperpose hall	Qty	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
23	Projector	ViewSonic/Sony/Barco	Viewsonic LSC801WU	SITC of the proposed professional laser installation projector having native WUXGA 1920 x 1200 resolution, brightness minimum 8,000 ANSI lumens, high-contrast laser-phosphor light source with minimum 20,000-hour normal and up to 30,000-hour economy life, projection size up to 300 inches and support for 16:10, 16:9 and 21:9 images. It shall provide minimum 1.6x optical zoom, horizontal and vertical lens shift, H/V keystone and corner adjustment, HDMI with HDCP, LAN and RS-232 control and 360-degree installation capability. Complete lens, mount interface, remote, power/signal cables, commissioning.	1	Nos	
24	Projector Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed heavy-duty projector ceiling-mount assembly compatible with the offered projector and site structure, having adjustable drop, pitch, roll, yaw and fine alignment, with safe working load at least four times the installed projector weight or the certified manufacturer rating, whichever is higher. The assembly shall use corrosion-resistant steel construction, anti-theft fasteners, concealed cable routing and an independent safety tether. Complete ceiling plate, extension column, adapter plate, anchors, fasteners shall be included.	1	Nos	
25	Projection Screen	Elite/Draper/Dalite	Elite SKT120NXW3-E12	SITC of the proposed 120-inch diagonal, 16:9 motorized tab-tensioned projection screen having a flat, wrinkle-resistant 4K-ready matte-white viewing surface, black backing and borders, wide viewing angle and gain approximately 1.0–1.1. The screen shall use a quiet tubular motor in a robust metal housing and include wall/ceiling mounting brackets, three-way wall switch, IR/RF remote control and low-voltage trigger where offered. Screen fabric shall be flame-retardant and mildew-resistant. Complete mounting hardware, power/control cabling shall be included.	1	Nos	
26	Display	ViewSonic/Sony/NEC	Viewsonic CN5501-1C	SITC of the proposed 55-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	2	Nos	
27	Wall Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1	Nos	
28	Ceiling Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1	Nos	
29	Display	ViewSonic/Sony/NEC	Viewsonic CN5501-1C	SITC of the proposed 55-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	1	Nos	
30	Wall Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1	Nos	
31	Display	ViewSonic/Sony/NEC	Viewsonic CN5501-1C	SITC of the proposed 55-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	3	Nos	
32	Ceiling Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	3	Nos	
33	FOH Speakers	D&B/Tannoy/Biamp	Biamp V2-1296B	SITC of the proposed passive 2-way trapezoidal full-range loudspeaker having one 12-inch LF driver and one 1-inch HF compression driver on a rotatable 90° H x 60° V horn; minimum 200 W continuous / 500 W program at nominal 8 ohms; operating range no narrower than 60 Hz–18 kHz; sensitivity minimum 98 dB (1 W/1 m); maximum output minimum 121 dB continuous / 127 dB peak; enclosure approximately 608 H x 390 W x 362 D mm and not heavier than 18 kg; birch-plywood cabinet, steel grille, NL4-compatible and terminal inputs, integral rigging points and matching yoke/rigging hardware. It shall provide approved DSP high-pass, EQ and limiter preset.	2	Nos	
34	Ceiling Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	2	Nos	
35	Side Fills	D&B/Tannoy/Biamp	Biamp V2-8B	SITC of the proposed compact passive 2-way full-range installation loudspeaker having minimum 8-inch LF driver and compression HF driver; nominal 8-ohm; minimum 150 W continuous; operating range suitable for speech and music, nominal coverage not narrower than 90° x 60°, sensitivity minimum 94 dB and peak SPL minimum 120 dB. It shall include plywood enclosure, steel grille, NL4/terminal connections, integral rigging points, yoke/rigging hardware.	4	Nos	
36	Ceiling Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	4	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
37	Stage Monitor	D&B/Tannoy/Biamp	Biamp MX8-B	SITC of the proposed passive low-profile 2-way coaxial stage monitor having one 8-inch LF driver and HF compression driver; nominal 8 ohms; minimum 150 W continuous / 375 W program; operating range no narrower than 80 Hz–18 kHz; sensitivity minimum 96 dB (1 W/1 m); maximum SPL minimum 118 dB continuous / 125 dB peak; nominal coverage approximately 115° conical; enclosure height approximately 263 mm with durable steel grille and NL4-compatible connectors. It shall include approved DSP high-pass, EQ and limiter preset.	2	Nos	
38	Subwoofer	D&B/Tannoy/Biamp	Biamp IV6-118SB	SITC of the proposed high-power single 18-inch direct-radiating bass-reflex subwoofer designed for array or ground-stack operation, having long-excursion ferrite low-frequency driver, nominal impedance 8 ohms, continuous power handling minimum 800 W and peak handling minimum 3,200 W. The enclosure shall provide deep low-frequency reinforcement, low-distortion porting, rigging points compatible with the offered array system and DSP presets for standard and cardioid configurations. Complete suspension/stacking hardware, safety fittings, connectors.	1	Nos	
39	Amplifier	D&B/Tannoy/Biamp	Biamp ALC-404D	SITC of the proposed four-channel networked amplified loudspeaker controller having integrated 48 kHz DSP and Dante/AES67 or equivalent; minimum 4 x 400 W into 2/4/8 ohms or 70/100 V, shared power minimum 1,200 W, bridge mode minimum 800 W; four analog plus four network inputs; FIR/IIR EQ, crossover, delay, loudspeaker presets, RMS/peak/current limiting, load/fault monitoring and remote control; 20 Hz–20 kHz response, THD+N below 0.1%; 1RU rack chassis.	2	Nos	
40	Ceiling Speakers	D&B/Tannoy/Biamp	Biamp CM20DT	SITC of the proposed two-way flush-mount ceiling loudspeaker for speech and music reproduction, having minimum 5.25-inch low-frequency driver with dome tweeter, wide and uniform coverage, 30 Watts at 16 Ohms low-impedance and 20, 10, 5 watts tapping at 70/100 V transformer operation with selectable power taps, paintable magnetic grille and plenum-rated backcan where required.	2	Nos	
41	Amplifier	D&B/Tannoy/Biamp	Biamp REVAMP1120T	SITC of proposed power amplifier that shall be a single-channel, Class-D digital amplifier delivering a minimum of 120 W RMS output power at 100 V or 4-ohm load. It shall support 70 V and 100 V constant-voltage speaker lines, along with low-impedance operation. The amplifier shall provide balanced and unbalanced line-level inputs, a frequency response of 50 Hz to 20 kHz or wider, and a signal-to-noise ratio of at least 97 dB (A-weighted). It shall feature convection cooling without cooling fans, overload and thermal protection, and clip indication. The unit shall be suitable for 19-inch rack mounting in a maximum 1U form factor and operate on 115–230 V AC power supply.	1	Nos	
42	DSP	Shure/Biamp/Symetrix	Biamp TesiraFORTÉ DAN CI	SITC of the proposed fixed 1RU audio DSP having at least 12 mic/line inputs each with AEC and 48 V phantom power, 8 balanced mic/line outputs, minimum 32 x 32 Dante/AES67 network audio, USB audio, Ethernet control, RS-232 and GPIO; 24-bit/48 kHz processing; configurable matrix mixing, automixing, EQ, filters, dynamics, delay, routing, monitoring and diagnostics; frequency response 20 Hz–20 kHz, dynamic range minimum 108 dB; internal universal PSU and minimum 5-year OEM warranty. An equivalent approved make shall be acceptable if I/O, AEC and network-channel capacity are equal or better.	1	Nos	
43	Bodypack Tx	Shure/Sennheiser/AudioTechnica	Shure SLXD1+=-G65	SITC of the proposed Digital wireless bodypack transmitter in the approved Indian frequency band, having 24-bit digital audio, minimum 8-hour operation, rechargeable-battery compatibility, locking microphone connector and coordinated frequency setup; WPC/statutory approval required. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime.	1	Nos	
44	Lapel Mic	Shure/Sennheiser/AudioTechnica	Shure WL185MB/C-TQG	SITC of the proposed Cardioid lavalier condenser microphone having miniature form factor, locking TQG connector, speech-optimized response, supplied windscreen and clothing clip; compatible with specified bodypack transmitter. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime.	1	Nos	
45	Handheld Mic	Shure/Sennheiser/AudioTechnica	Shure SLXD2+/B58=-G65	SITC of the proposed Digital wireless handheld transmitter having professional supercardioid dynamic capsule, approved Indian frequency band, 24-bit digital audio, minimum 8-hour operation and rechargeable-battery compatibility; WPC/statutory approval required. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime.	2	Nos	
46	Wireless Receiver	Shure/Sennheiser/AudioTechnica	Shure SLXD4Q+IN=-G65	SITC of the proposed Professional digital wireless receiver in the approved Indian frequency band, having networked frequency scan/coordination, balanced audio outputs, rack mounting, remote monitoring and Dante/AES67 where specified; WPC/statutory approval required. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime.	1	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
47	Wireless Goseneck Base	Shure/Sennheiser/AudioTechnica	Shure ULXD8=-G51	SITC of the proposed wireless Goseneck base shall provide wireless Goseneck Base shall meet the specified functional requirements and include all power supplies, mounting hardware, licenses, interconnecting accessories, OEM warranty, testing and commissioning. Bidder shall submit the official manufacturer datasheet and clause-by-clause compliance statement. The complete wireless system using WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime.	1	Nos	
48	Goseneck Mic	Shure/Sennheiser/AudioTechnica	Shure MX415RLPDF/C	SITC of the proposed proposed goseneck mic providing goseneck Mic shall meet the specified functional requirements and include all power supplies, mounting hardware, licenses, interconnecting accessories, OEM warranty, testing and commissioning. Bidder shall submit the official manufacturer datasheet and clause-by-clause compliance statement.	1	Nos	
49	Wireless Receiver	Shure/Sennheiser/AudioTechnica	Shure ULXD4IN=-G51	SITC of the proposed Professional digital wireless receiver in the approved Indian frequency band, having networked frequency scan/coordination, balanced audio outputs, rack mounting, remote monitoring and Dante/AES67 where specified; WPC/statutory approval required. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime.	1	Nos	
50	Antenna System	Shure/Sennheiser/AudioTechnica	Shure UA844+SWB-IN	SITC of the proposed proposed antenna system shall provide active antenna distribution system for the specified wireless receivers, including cascade capability, DC power distribution, rack mounting and all required RF/power cables. The complete wireless system using WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime.	1	Nos	
51	Antenna Cable	Shure/Sennheiser/AudioTechnica	Shure UA8100	SITC of the proposed Low-loss 50-ohm RF coaxial antenna cable of the OEM-specified length, terminated having compatible BNC connectors and rated for the proposed wireless frequency band. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime	2	Nos	
52	Antenna	Shure/Sennheiser/AudioTechnica	Shure UA860SWB	SITC of the proposed OEM-compatible wideband UHF antenna for wall/ceiling/stand mounting, having 50-ohm BNC interface and frequency coverage suitable for the specified wireless band. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime	2	Nos	
53	Rechargeable Battery	Shure/Sennheiser/AudioTechnica	Shure SB903	SITC of the proposed OEM rechargeable lithium-ion battery compatible having specified SLX-D transmitters; battery runtime/health reporting and charging through the specified docking charger. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime	3	Nos	
54	Docking station	Shure/Sennheiser/AudioTechnica	Shure SBC203-IN	SITC of the proposed Secure docking/charging station compatible having the offered transmitter/tablet; simultaneous charging of the stated quantity, charge/status indication, over-voltage/temperature protection, concealed cable management, lockable or tamper-resistant mounting and all power supplies/adaptors included. For wireless batteries, provide networked battery-health/runtime reporting where supported.	2	Nos	
55	Rechargeable Battery	Shure/Sennheiser/AudioTechnica	Shure SB900C-A	SITC of the proposed OEM rechargeable lithium-ion battery compatible having specified digital wireless transmitters; intelligent runtime/health reporting and charging in the specified networked charger. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime	1	Nos	
56	Docking station	Shure/Sennheiser/AudioTechnica	Shure SBC250-E	SITC of the proposed Secure docking/charging station compatible having the offered transmitter/tablet; simultaneous charging of the stated quantity, charge/status indication, over-voltage/temperature protection, concealed cable management, lockable or tamper-resistant mounting and all power supplies/adaptors included. For wireless batteries, provide networked battery-health/runtime reporting where supported.	1	Nos	
57	Control System	Kramer/Extron/Biamp	Kramer KC-Virtual Brain1 + FC28	SITC of the proposed Programmable AV control platform based on functionality, having IP-based processor or virtual controller, minimum eight configurable serial/IR/relay/I/O interfaces through the stated gateway, Ethernet control, secure user authentication, scheduling, device monitoring, event logging and API/driver support for every proposed AV device. It shall include all perpetual licences, programming source code, GUI files, backups.	1	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
58	Touch Panel	Apple	Apple iPad with Kramer Control Application	SITC of the proposed Commercial touch-control interface using a current supported tablet/platform having minimum 10-inch display, Wi-Fi 6, minimum 64 GB storage, secure kiosk mode, licensed control application, protective enclosure, continuous charging dock, guided-access/device-management application support. Screen layouts and all source code shall be handed over.	1	Nos	
59	Docking station	iPort/Lenevo/HP	iPort	SITC of the proposed Secure docking/charging station compatible having the offered transmitter/tablet; simultaneous charging of the stated quantity, charge/status indication, over-voltage/temperature protection, concealed cable management, lockable or tamper-resistant mounting and all power supplies/adaptors included. For wireless batteries, provide networked battery-health/runtime reporting where supported.	1	Nos	
60	Wireless Presenter	AirServer / Biamp/ DVDO	AirServer Connect 3	SITC of the proposed Wireless presentation gateway supporting AirPlay 2, Google Cast and Miracast having 4K60 output to up to three displays, Wi-Fi 6E and 2.5 GbE, WPA2/WPA3/802.1X, moderator portal, touchback, central management and up to 12 simultaneous 1080p60 sources. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime	1	Nos	
61	AVoIP Encoder	Extron/Kramer/Biamp	Kramer KDS-17EN	SITC of the proposed AV-over-IP encoder having HDMI and DisplayPort input, video up to 4K60 with 4:4:4, HDCP 2.2, visually lossless low-latency transport not exceeding 1.5 frames, 8-channel PCM audio embedding/de-embedding, two balanced mic/line inputs, 1Gb copper and 10Gb SFP+ media ports plus separate control Ethernet, IEEE 802.1X, RS-232 and four GPIO; half-rack chassis and 5-year warranty. Equivalent approved make must interoperate with the complete proposed AV-over-IP system.	2	Nos	
62	AVoIP Decoder	Extron/Kramer/Biamp	Kramer KDS-17DEC	SITC of the proposed AV-over-IP decoder having HDMI output supporting up to 4K60, HDCP 2.2, visually lossless low-latency transport not exceeding 1.5 frames, multichannel PCM audio de-embedding, 1Gb copper and 10Gb SFP+ media ports plus separate control Ethernet, IEEE 802.1X, RS-232 and GPIO; half-rack chassis.	4	Nos	
63	AVoIP Decoder	Extron/Kramer/Biamp	Kramer KDS-17DEC	SITC of the proposed AV-over-IP decoder having HDMI output supporting up to 4K60, HDCP 2.2, visually lossless low-latency transport not exceeding 1.5 frames, multichannel PCM audio de-embedding, 1Gb copper and 10Gb SFP+ media ports plus separate control Ethernet, IEEE 802.1X, RS-232 and GPIO; half-rack chassis.	3	Nos	
64	Juction Box	Custom / Reputed	Custom / Reputed	SITC of the proposed AV junction box fabricated from corrosion-resistant metal or approved engineering polymer, sized for the scheduled power, audio, video, data and control terminations. It shall provide segregated routing for mains and ELV circuits, removable labelled connector plates, cable glands, strain relief, earthing and lockable service access. Complete connectors, terminal blocks, internal wiring, mounting hardware, identification labels.	1	Nos	
65	AV Network Switch	Netgear/Cisco/Juniper	Netgear GSM4248UX	SITC of the proposed fully managed AV switch having at least 40 x 1GbE PoE+/PoE++ access ports, multi-gigabit support on required ports, minimum 8 x 10Gb SFP+ uplinks, high PoE budget suitable for all connected AV endpoints, non-blocking switching, IGMP/MLD multicast control, VLAN, QoS, PTP, L2/L3 features, AV profiles and redundant uplinks; 1RU rack mount. Bidder shall submit port-by-port PoE load and bandwidth calculations.	1	Nos	
66	Wifi Router	Netgear/Cisco/Juniper	Netgear WAX610	SITC of the proposed enterprise indoor dual-band Wi-Fi 6 access point conforming to IEEE 802.11ax and backward compatible with 802.11a/b/g/n/ac, having aggregate wireless speed minimum AX1800, OFDMA, MU-MIMO, beamforming, band steering, load balancing, multiple SSIDs/VLANs, WPA2/WPA3 enterprise security and cloud/centralized management. It shall support 2.4 GHz and 5 GHz operation in WPC-approved Indian bands, include a minimum 1 GbE PoE+ uplink and ceiling/wall mounting kit. Complete PoE provisioning, licenses/subscription stated separately, configuration, RF optimization shall be included.	1	Nos	
67	Room Scheduler	Biamp/Poly/Cisco	Biamp Evoko Liso	SITC of the proposed networked room-booking panel having an approximately 8-inch capacitive anti-fingerprint touchscreen, colour status indication visible from a distance, proximity sensor and RFID support. It shall integrate with the specified calendar/room-booking platform, permit on-screen booking, extension, release and fault reporting, support centralized self-hosted management and minimum 20 interface languages, and operate through PoE or approved low-voltage adapter. Wall and glass mounting accessories, network/power cabling, software configuration, calendar integration, licenses, testing, user training, CE/RoHS compliance.	1	Nos	
68	AV Rack	Valrack / Cisco / WD	Valrack 24U AV RACK	SITC of the proposed 24U AV equipment rack, minimum 600 mm width and depth selected to suit the deepest equipment plus cable bend radius having welded/knock-down steel construction with minimum 500 kg static load for floor racks, lockable perforated front/rear doors and removable side panels, adjustable mounting rails, forced ventilation sized from submitted heat-load calculation, vertical/horizontal cable managers, earthing bar, minimum 6-way PDU with MCB/surge protection, shelves, blanking panels, castors and levelling feet.	1	Nos	
69	Cables & Connectors	Custom / Reputed	Custom / Reputed	SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1	Nos	
70	Device	Make	Model	Specifications seconf floor conf.	Qty	Nos	
71	Display	ViewSonic/Sony/NEC	Viewsonic CDE8630	SITC of the proposed 86-inch class professional commercial display having native 3840 x 2160 resolution, minimum 450-nit class brightness, 24/7 or better duty rating, anti-glare panel, integrated speakers minimum 2 x 16 W, HDMI, DisplayPort and USB-C with video/data/power delivery, USB media playback, LAN/RS-232 control, remote device management, OPS/compute expansion where offered and VESA mounting.	1	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
72	Wall Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1	Nos	
73	All In One Bar	Biamp/Poly/Cisco	Biamp Parlé VBC 2500a	SITC of the proposed All-in-one conferencing bar having integrated beamtracking microphone array, loudspeakers and 4K ePTZ camera; USB connection to room PC/BYOD; Auto programming, automatic framing, echo cancellation and professional DSP; wall/display mounting accessories included.	1	Nos	
74	Presentation Switcher	Kramer/DVDO/Biamp	DVDO-USBC-HDMI-PS-42-XL	SITC of the proposed professional 4-input x 2-output presentation switcher having USB-C and HDMI source inputs, dual HDMI outputs, automatic/manual switching and support for video resolutions up to 4K UHD at 60 Hz with HDR and HDCP 2.2. USB-C inputs shall support DisplayPort Alt Mode and laptop charging where specified. The unit shall provide independent or mirrored output operation as offered, audio embedding/de-embedding, EDID management, scaling/signal management, LAN and RS-232 control and front-panel operation. Complete rack/shelf mounting, power supply, certified HDMI/USB-C cables, configuration, firmware shall be included.	1	Nos	
75	Cable Cubby	BRX/Biamp/Kramer	BRX FLP-BL-UNIV2	SITC of the proposed recessed tabletop cable cubby with black metal finish and universal modular connectivity provision, suitable for flush installation in the conference table. It shall provide an accessible power outlet and configurable AV/data modules for HDMI, USB-C, USB-A, network and other scheduled services, with a smooth lift-up/flip lid, cable pass-through, strain relief and safe separation of mains and ELV wiring. Complete back box, modules, power cord, AV tails, fixing hardware, earthing, labeling, table cut-out template shall be included.	2	Nos	
76	Ceiling Speakers	D&B/Tannoy/Biamp	Biamp CM20DT	SITC of the proposed two-way flush-mount ceiling loudspeaker for speech and music reproduction, having minimum 5.25-inch low-frequency driver with dome tweeter, wide and uniform coverage, 30 Watts at 16 Ohms low-impedance and 20, 10, 5 watts tapping at 70/100 V transformer operation with selectable power taps, paintable magnetic grille and plenum-rated backcan where required.	4	Nos	
77	Amplifier	D&B/Tannoy/Biamp	Biamp AMP-A460H	SITC of the proposed compact four-channel Class-D power amplifier delivering minimum 4 x 60 W into 4 or 8 ohms, bridgeable to minimum 2 x 120 W and supporting direct 70/100 V operation in bridged mode. It shall have four balanced line inputs, screw-terminal outputs, selectable 80 Hz high-pass filter, signal/limit/protection indicators, automatic standby, convection cooling, frequency response 20 Hz–20 kHz within ±1 dB, THD+N below 0.3% at rated power and dynamic range minimum 100 dB. Half-rack 1RU mounting hardware, universal 100–240 V AC supply, all connectors shall be included.	1	Nos	
78	Room Scheduler	Biamp/Poly/Cisco	Biamp Evoko Liso	SITC of the proposed networked room-booking panel having an approximately 8-inch capacitive anti-fingerprint touchscreen, colour status indication visible from a distance, proximity sensor and RFID support. It shall integrate with the specified calendar/room-booking platform, permit on-screen booking, extension, release and fault reporting, support centralized self-hosted management and minimum 20 interface languages, and operate through PoE or approved low-voltage adapter. Wall and glass mounting accessories, network/power cabling, software configuration, calendar integration CE/RoHS compliance shall be included	1	Nos	
79	HDMI Cable	Kramer/DVDO/Biamp	Biamp EasyConnect HDMI4k-10	SITC of the proposed 3 m (10 ft) premium passive HDMI Type-A male-to-male cable conforming to HDMI 2.0, supporting 3840 x 2160 resolution at 60 Hz, maximum data rate 18 Gbps, HDR, HDCP 2.2, CEC, EDID and multichannel digital audio.	3	Nos	
80	Type C- Cable	Kramer/DVDO/Biamp	Biamp EasyConnect USB3-10-CC	SITC of the proposed 3 m (10 ft) passive USB Type-C to Type-C cable conforming to USB 3.2 Gen 1, supporting minimum 5 Gbps SuperSpeed data, bidirectional USB Power Delivery up to 45 W and DisplayPort 1.4 Alt Mode with video up to 3840 x 2160 at 60 Hz.	2	Nos	
81	Type A-B	Kramer/DVDO/Biamp	Biamp EasyConnect USB3-10-AB	SITC of the proposed 3 m (10 ft) passive USB Type-A to Type-B cable conforming to USB 3.x SuperSpeed and supporting minimum 5 Gbps data transfer, backward compatibility with USB 2.0/1.1 where applicable.	1	Nos	
82	Type A-C	Kramer/DVDO/Biamp	Biamp EasyConnect USB3-10-AC	SITC of the proposed 3 m (10 ft) passive USB Type-A to Type-C cable conforming to USB 3.x SuperSpeed and supporting minimum 5 Gbps data transfer, backward compatibility where applicable. The Type-C connector shall support the data and power functions required by the connected conferencing peripheral.	1	Nos	
83	Cables & Connectors	Custom / Reputed	Custom / Reputed	SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1	Nos	
84	Device	Make	Model	Specifications 5th Floor conf.	Qty	Nos	
85	Display	ViewSonic/Sony/NEC	Viewsonic CDE9830	SITC of the proposed 98-inch class professional commercial display having native 3840 x 2160 resolution, minimum 520-nit class brightness, 24/7 or better duty rating, anti-glare panel, integrated speakers minimum 2 x 10 W, multiple HDMI inputs, Type C- shall Support Smart USB, DP1.2, PD 65W, USB2.0, 100M Ethernet, LAN/RS-232 control, remote device management and VESA mounting.	1	Nos	
86	Wall Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1	Nos	
87	PTZ Camera	Aver/DVDO/Sony	Aver CAM570	SITC of the proposed dual-lens 4K conferencing camera comprising a motorized PTZ optical camera having minimum 12x optical zoom and a secondary wide-angle AI camera; 4K30 output, minimum 95° wide-angle field of view, speaker/presenter/zone tracking, auto framing, USB 3. x, HDMI and IP streaming/control, PoE+, VISCA/IP control and remote management. It shall include wall/display mount and cabling.	1	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
88	Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1	Nos	
89	DSP Bundle	Shure/Biamp/Symetrix	Biamp MRB-L-X400-C-CIC6	SITC of the proposed complete large-room networked conferencing audio bundle comprising one USB-enabled DSP with acoustic echo cancellation, noise reduction and network audio, two beamtracking ceiling microphones including PoE+ amplification, four 6.5-inch ceiling loudspeakers and all specified plenum-rated network cables and mounting accessories. The system shall support automatic device discovery, room tuning and report generation, synchronized UC mute indication and interoperability with Microsoft Teams Rooms, Zoom Rooms, Google Meet, Cisco Webex and equivalent platforms.	1	Nos	
90	Wireless Presenter	AirServer / Biamp/ DVDO	AirServer Connect 3 + Dongle	SITC of the proposed enterprise wireless presentation gateway with companion plug-and-present dongle, supporting native AirPlay 2, Google Cast and Miracast, encrypted infrastructure casting, moderator control and simultaneous on-screen presentation. The appliance shall support 4K UHD output at 60 Hz, minimum 2.5 GbE LAN, WPA2/WPA3 and IEEE 802.1X security, touchback over supported protocols, centralized management and local-session privacy. USB-C/HDMI display connectivity, power supply, magnetic/security mount shall be included.	1	Nos	
91	Audio -Demebedder	Kramer/DVDO/Biamp	DVDO-AudioE-1	SITC of the proposed HDMI 2.0b audio extractor supporting video up to 4K UHD at 60 Hz with HDR and HDCP 2.2, with one HDMI input and one pass-through HDMI output plus simultaneous digital optical and analog stereo audio outputs. The unit shall support EDID/audio-format selection and transparent passage of supported multichannel audio/video formats without image degradation. Complete regulated power supply, mounting accessories, certified HDMI and audio cables, configuration and end-to-end testing shall be included.	1	Nos	
92	Presentation Switcher	Kramer/DVDO/Biamp	DVDO-USBC-HDMI-PS-42-XL	SITC of the proposed professional 4-input x 2-output presentation switcher having USB-C and HDMI source inputs, dual HDMI outputs, automatic/manual switching and support for video resolutions up to 4K UHD at 60 Hz with HDR and HDCP 2.2. USB-C inputs shall support DisplayPort Alt Mode and laptop charging where specified. The unit shall provide independent or mirrored output operation as offered, audio embedding/de-embedding, EDID management, scaling/signal management, LAN and RS-232 control and front-panel operation. Complete rack/shelf mounting, power supply, certified HDMI/USB-C cables, configuration, firmware shall be included.	1	Nos	
93	Cable Cubby	BRX/Biamp/Kramer	BRX FLP-BL-UNIV2	SITC of the proposed recessed tabletop cable cubby with black metal finish and universal modular connectivity provision, suitable for flush installation in the conference table. It shall provide an accessible power outlet and configurable AV/data modules for HDMI, USB-C, USB-A, network and other scheduled services, with a smooth lift-up/flip lid, cable pass-through, strain relief and safe separation of mains and ELV wiring. Complete back box, modules, power cord, AV tails, fixing hardware, earthing, labeling, table cut-out template shall be included.	2	Nos	
94	Room Scheduler	Biamp/Poly/Cisco	Biamp Evoko Liso	SITC of the proposed networked room-booking panel having an approximately 8-inch capacitive anti-fingerprint touchscreen, colour status indication visible from a distance, proximity sensor and RFID support. It shall integrate with the specified calendar/room-booking platform, permit on-screen booking, extension, release and fault reporting, support centralized self-hosted management and minimum 20 interface languages, and operate through PoE or approved low-voltage adapter. Wall and glass mounting accessories, network/power cabling, software configuration, calendar integration CE/RoHS compliance shall be included	2	Nos	
95	HDMI Cable	Extron/Lightware/Biamp	Biamp EasyConnect HDMI4k-10	SITC of the proposed 3 m (10 ft) premium passive HDMI Type-A male-to-male cable conforming to HDMI 2.0, supporting 3840 x 2160 resolution at 60 Hz, maximum data rate 18 Gbps, HDR, HDCP 2.2, CEC, EDID and multichannel digital audio.	3	Nos	
96	Type C- Cable	Extron/Lightware/Biamp	Biamp EasyConnect USB3-10-CC	SITC of the proposed 3 m (10 ft) passive USB Type-C to Type-C cable conforming to USB 3.2 Gen 1, supporting minimum 5 Gbps SuperSpeed data, bidirectional USB Power Delivery up to 45 W and DisplayPort 1.4 Alt Mode with video up to 3840 x 2160 at 60 Hz.	2	Nos	
97	Type A-B	Extron/Lightware/Biamp	Biamp EasyConnect USB3-10-AB	SITC of the proposed 3 m (10 ft) passive USB Type-A to Type-B cable conforming to USB 3.x SuperSpeed and supporting minimum 5 Gbps data transfer, backward compatibility with USB 2.0/1.1 where applicable.	1	Nos	
98	Type A-C	Extron/Lightware/Biamp	Biamp EasyConnect USB3-10-AC	SITC of the proposed 3 m (10 ft) passive USB Type-A to Type-C cable conforming to USB 3.x SuperSpeed and supporting minimum 5 Gbps data transfer, backward compatibility where applicable. The Type-C connector shall support the data and power functions required by the connected conferencing peripheral.	1	Nos	
99	AV Rack	Valrack / Cisco / WD	Valrack 12U AV RACK	SITC of the proposed 12U AV equipment rack, minimum 600 mm width and depth selected to suit the deepest equipment plus cable bend radius having welded/knock-down steel construction with minimum 500 kg static load for floor racks, lockable perforated front/rear doors and removable side panels, adjustable mounting rails, forced ventilation sized from submitted heat-load calculation, vertical/horizontal cable managers, earthing bar, minimum 6-way PDU with MCB/surge protection, shelves, blanking panels, castors and levelling feet.	1	Nos	
100	Cables & Connectors	Custom / Reputed	Custom / Reputed	SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1	Nos	
101	Device	Make	Model	Specifications u shape conferences			

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
102	Display	ViewSonic/Sony/NEC	Viewsonic CDE9830	SITC of the proposed 98-inch class professional commercial display having native 3840 x 2160 resolution, minimum 520-nit class brightness, 24/7 or better duty rating, anti-glare panel, integrated speakers minimum 2 x 10 W, multiple HDMI inputs, Type C- shall Support Smart USB, DP1.2, PD 65W, USB2.0, 100M Ethernet, LAN/RS-232 control, remote device management and VESA mounting.	1	Nos	
103	Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1	Nos	
104	PTZ Camera	Aver/DVDO/Sony	Aver CAM570	SITC of the proposed dual-lens 4K conferencing camera comprising a motorized PTZ optical camera having minimum 12x optical zoom and a secondary wide-angle AI camera; 4K30 output, minimum 95° wide-angle field of view, speaker/presenter/zone tracking, auto framing, USB 3. x, HDMI and IP streaming/control, PoE+, VISCA/IP control and remote management. It shall include wall/display mount and cabling.	1	Nos	
105	Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1	Nos	
106	DSP Bundle	Shure/Biamp/Symetrix	Biamp MRB-L-X400-C-CIC6	SITC of the proposed complete large-room networked conferencing audio bundle comprising one USB-enabled DSP with acoustic echo cancellation, noise reduction and network audio, two beamtracking ceiling microphones including PoE+ amplification, four 6.5-inch ceiling loudspeakers and all specified plenum-rated network cables and mounting accessories. The system shall support automatic device discovery, room tuning and report generation, synchronized UC mute indication and interoperability with Microsoft Teams Rooms, Zoom Rooms, Google Meet, Cisco Webex and equivalent platforms.	1	Nos	
107	Wireless Presenter	AirServer / Biamp/ DVDO	AirServer Connect 3 + Dongle	SITC of the proposed enterprise wireless presentation gateway with companion plug-and-present dongle, supporting native AirPlay 2, Google Cast and Miracast, encrypted infrastructure casting, moderator control and simultaneous on-screen presentation. The appliance shall support 4K UHD output at 60 Hz, minimum 2.5 GbE LAN, WPA2/WPA3 and IEEE 802.1X security, touchback over supported protocols, centralized management and local-session privacy. USB-C/HDMI display connectivity, power supply, magnetic/security mount shall be included.	1	Nos	
108	Audio -Demebedder	Kramer/DVDO/Biamp	DVDO-AudioE-1	SITC of the proposed HDMI 2.0b audio extractor supporting video up to 4K UHD at 60 Hz with HDR and HDCP 2.2, with one HDMI input and one pass-through HDMI output plus simultaneous digital optical and analog stereo audio outputs. The unit shall support EDID/audio-format selection and transparent passage of supported multichannel audio/video formats without image degradation. Complete regulated power supply, mounting accessories, certified HDMI and audio cables, configuration and end-to-end testing shall be included.	1	Nos	
109	Presentation Switcher	Kramer/DVDO/Biamp	DVDO-USBC-HDMI-PS-42-XL	SITC of the proposed professional 4-input x 2-output presentation switcher having USB-C and HDMI source inputs, dual HDMI outputs, automatic/manual switching and support for video resolutions up to 4K UHD at 60 Hz with HDR and HDCP 2.2. USB-C inputs shall support DisplayPort Alt Mode and laptop charging where specified. The unit shall provide independent or mirrored output operation as offered, audio embedding/de-embedding, EDID management, scaling/signal management, LAN and RS-232 control and front-panel operation. Complete rack/shelf mounting, power supply, certified HDMI/USB-C cables, configuration, firmware shall be included.	1	Nos	
110	Cable Cubby	BRX/Biamp/Kramer	BRX FLP-BL-UNIV2	SITC of the proposed recessed tabletop cable cubby with black metal finish and universal modular connectivity provision, suitable for flush installation in the conference table. It shall provide an accessible power outlet and configurable AV/data modules for HDMI, USB-C, USB-A, network and other scheduled services, with a smooth lift-up/flip lid, cable pass-through, strain relief and safe separation of mains and ELV wiring. Complete back box, modules, power cord, AV tails, fixing hardware, earthing, labeling, table cut-out template shall be included.	2	Nos	
111	Room Scheduler	Biamp/Poly/Cisco	Biamp Evoko Liso	SITC of the proposed networked room-booking panel having an approximately 8-inch capacitive anti-fingerprint touchscreen, colour status indication visible from a distance, proximity sensor and RFID support. It shall integrate with the specified calendar/room-booking platform, permit on-screen booking, extension, release and fault reporting, support centralized self-hosted management and minimum 20 interface languages, and operate through PoE or approved low-voltage adapter. Wall and glass mounting accessories, network/power cabling, software configuration, calendar integration CE/RoHS compliance shall be included	2	Nos	
112	HDMI Cable	Extron/Lightware/Biamp	Biamp EasyConnect HDMI4k-10	SITC of the proposed 3 m (10 ft) premium passive HDMI Type-A male-to-male cable conforming to HDMI 2.0, supporting 3840 x 2160 resolution at 60 Hz, maximum data rate 18 Gbps, HDR, HDCP 2.2, CEC, EDID and multichannel digital audio.	3	Nos	
113	Type C- Cable	Extron/Lightware/Biamp	Biamp EasyConnect USB3-10-CC	SITC of the proposed 3 m (10 ft) passive USB Type-C to Type-C cable conforming to USB 3.2 Gen 1, supporting minimum 5 Gbps SuperSpeed data, bidirectional USB Power Delivery up to 45 W and DisplayPort 1.4 Alt Mode with video up to 3840 x 2160 at 60 Hz.	2	Nos	
114	Type A-B	Extron/Lightware/Biamp	Biamp EasyConnect USB3-10-AB	SITC of the proposed 3 m (10 ft) passive USB Type-A to Type-B cable conforming to USB 3.x SuperSpeed and supporting minimum 5 Gbps data transfer, backward compatibility with USB 2.0/1.1 where applicable.	1	Nos	
115	Type A-C	Extron/Lightware/Biamp	Biamp EasyConnect USB3-10-AC	SITC of the proposed 3 m (10 ft) passive USB Type-A to Type-C cable conforming to USB 3.x SuperSpeed and supporting minimum 5 Gbps data transfer, backward compatibility where applicable. The Type-C connector shall support the data and power functions required by the connected conferencing peripheral.	1	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
116	AV Rack	Valrack / Cisco / WD	Valrack 12U AV RACK	SITC of the proposed 12U AV equipment rack, minimum 600 mm width and depth selected to suit the deepest equipment plus cable bend radius having welded/knock-down steel construction with minimum 500 kg static load for floor racks, lockable perforated front/rear doors and removable side panels, adjustable mounting rails, forced ventilation sized from submitted heat-load calculation, vertical/horizontal cable managers, earthing bar, minimum 6-way PDU with MCB/surge protection, shelves, blanking panels, castors and levelling feet.	1	Nos	
117	Cables & Connectors	Custom / Reputed	Custom / Reputed	SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1	Nos	
118	Device	Make	Model	Specifications mahasabha			
119	Active LED	Xtreme Media/ViewSonic/Sony	Xtreme Media Nyx P2.00mm	SITC of the proposed seamless indoor fine-pitch direct-view LED display of approximately 3840 mm x 2400 mm active size and pixel pitch not exceeding 2.0 mm, using modular front-service cabinets with wide viewing angle, minimum 600-nit brightness, refresh rate minimum 3,840 Hz and high contrast. The complete system shall include LED cabinets/modules, controller/scaler, mounting structure, power and data distribution, calibration, all cables and accessories, minimum 5% spare modules and spare PSU/receiving cards, heat-load and structural calculations, power consumption and certifications shall be submitted.	2	Nos	
120	Confidence Monitor	ViewSonic/Sony/NEC	Viewsonic CN5501-1C	SITC of the proposed 55-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	3	Nos	
121	Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	3	Nos	
122	Confidence Monitor	ViewSonic/Sony/NEC	Viewsonic CN5501-1C	SITC of the proposed 55-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	3	Nos	
123	Wall Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	3	Nos	
124	Confidence Monitor	ViewSonic/Sony/NEC	Viewsonic CN5501-1C	SITC of the proposed 55-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	2	Nos	
125	Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	2	Nos	
126	Confidence Monitor	ViewSonic/Sony/NEC	Viewsonic CN4301-1C	SITC of the proposed 43-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	2	Nos	
127	Wall Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	2	Nos	
128	25X PTZ Cameras	Aver/DVDO/Sony	DVDO C5	SITC of the proposed professional 4K PTZ camera having minimum 25x optical zoom, high-sensitivity image sensor, HDMI, 3G-SDI, USB and IP video outputs as applicable, and simultaneous streaming/control over the network. It shall support autofocus, wide dynamic range, low-light operation, pan/tilt presets, AI-based auto-framing and presenter/speaker tracking, and standard control protocols including VISCA over IP/RS-232/RS-422. PoE+ power, wall/ceiling mount, remote/controller compatibility, power supply, cabling, firmware, configuration and testing shall be included. Exact sensor, field of view, zoom, output formats.	3	Nos	
129	Mounting	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	3	Nos	
130	Multiviwer	EDS/DVDO/Extron	EDS AURIGA VM	SITC of the proposed proposed multiviewer providing multiviewer shall meet the specified functional requirements and include all power supplies, mounting hardware, licenses, interconnecting accessories, OEM warranty, testing and commissioning. Bidder shall submit the official manufacturer datasheet and clause-by-clause compliance statement. Bidder shall state input/output count and formats, maximum resolution/frame rate, layout presets, labels/tallies, low-latency processing, scaling, audio handling, control interfaces.	1	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
131	Capture Card	Inogeni/DVDO/Biamp	DVDO-USB3.2-Capture-Pro	SITC of the proposed proposed capture card providing professional USB 3.2 video capture interface supporting uncompressed HDMI capture up to 4K input and broadcast-quality USB output, UVC/UAC compatibility, embedded audio and plug-and-play operation. State maximum HDMI input and USB output resolution/frame rate, UVC/UAC compliance, chroma sampling, audio embedding, latency and supported operating systems.	1	Nos	
132	Joystick	Aver/DVDO/Sony	DVDO-Camera-Ctl-1	SITC of the proposed professional IP PTZ camera controller having an integrated colour touchscreen and multi-axis joystick for smooth pan, tilt and zoom operation. It shall support control of multiple cameras over IP and serial interfaces using standard protocols including VISCA, VISCA-over-IP, ONVIF and Pelco as applicable, with camera selection, preset storage/recall, focus, exposure, white-balance and speed controls. Network connectivity, PoE or approved power supply, firmware, desktop mounting, patch cables, programming of all camera addresses/presets, labeling, operator training and functional testing shall be included.	1	Nos	
133	Recorder & Streamer	BXB/BRX/AJA	BXB HDR 731	SITC of the proposed Hardware streaming/recording processor having multi-input video capture, simultaneous recording and live streaming, H. 264/H.265 encoding as supported, local/network storage, HDMI monitoring, scheduled operation and web-based management. Minimum simultaneous input, recording and streaming channels; supported resolution/frame rate/codecs; storage capacity; network protocols; redundancy; scheduling; metadata; and remote management shall be stated.	1	Nos	
134	HDMI TX	Extron/Kramer/Biamp	KRAMER TP-583-T	SITC of the proposed 4K HDR HDMI transmitter over HDBaseT or equivalent long-reach twisted-pair technology, supporting HDMI 2.0 signals up to 4K at 60 Hz with 4:4:4 colour, HDR and HDCP 2.2, together with bidirectional RS-232 and IR control. It shall transmit minimum 70 m at 4K over approved shielded Cat6A cable and support EDID pass-through and reliable clock/data recovery. Complete power/PoC arrangement, mounting brackets, HDMI and network patch leads, termination, labeling and link testing with the paired receiver shall be included.	4	Nos	
135	HDMI RX	Extron/Kramer/Biamp	KRAMER TP-583 R	SITC of the proposed 4K HDR HDMI receiver over HDBaseT or equivalent long-reach twisted-pair technology, supporting HDMI 2.0 output up to 4K at 60 Hz with 4:4:4 colour, HDR and HDCP 2.2, together with bidirectional RS-232 and IR control. It shall receive minimum 70 m at 4K over approved shielded Cat6A cable and support EDID pass-through and reliable clock/data recovery. Complete power/PoC arrangement, mounting brackets, HDMI and network patch leads, termination, labeling and link testing with the paired transmitter shall be included.	4	Nos	
136	FOH Speakers	D&B/Tannoy/Biamp	Biamp IP6-1122/96B	SITC of the proposed high-output passive 2-way point-source loudspeaker having one 12-inch LF driver and large-format compression HF driver; rotatable nominal 90° H x 60° V pattern; bi-amp/passive operation as offered; minimum LF continuous rating 600 W class, sensitivity minimum 96 dB and peak SPL minimum 130 dB; frequency range suitable for full-range speech/music reinforcement; weather-resistant plywood enclosure, steel grille, multiple engineered M10 rigging points and NL4-compatible connectors. It shall include exact EASE/GLL data, structural rigging and manufacturer DSP presets.	4	Nos	
137	Mounting	Biamp/BRX/Extron	Biamp IUB1122B	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	4	Nos	
138	Front Speakers	D&B/Tannoy/Biamp	Biamp EX-S6-UB-B	SITC of the proposed passive 2-way coaxial surface loudspeaker having 6.5-inch LF driver and compression HF driver; nominal 8-ohm plus 70/100 V transformer operation; minimum 200 W continuous at 8 ohms; broad conical coverage suitable for front-fill use; weather-resistant indoor/outdoor enclosure; include low-profile U-bracket, safety attachment, transformer tap selector and manufacturer-approved DSP/limiter preset.	2	Nos	
139	Ceiling Speakers	D&B/Tannoy/Biamp	Biamp CM20DT	SITC of the proposed two-way flush-mount ceiling loudspeaker for speech and music reproduction, having minimum 5.25-inch low-frequency driver with dome tweeter, wide and uniform coverage, 30 Watts at 16 Ohms low-impedance and 20, 10, 5 watts tapping at 70/100 V transformer operation with selectable power taps, paintable magnetic grille and plenum-rated backcan where required.	8	Nos	
140	Amplifier	D&B/Tannoy/Biamp	Biamp ALC-1604D	SITC of the proposed four-channel networked amplified loudspeaker controller having Class-D amplification, integrated 48 kHz DSP and Dante/AES67 or equivalent open network audio; minimum 4 x 1,600 W at 2 ohms or 70/100 V, 4 x 1,400 W at 4 ohms, 4 x 1,250 W at 8 ohms, shared power minimum 4,800 W, and bridge mode minimum 3,200 W at 4 ohms; four analog plus four network inputs; per-channel low-/high-impedance selection; FIR/IIR EQ, crossover, delay, RMS/peak/current limiting, load monitoring, presets and remote fault monitoring; 20 Hz–20 kHz response, THD+N below 0.1%; 1RU rack chassis.	1	Nos	
141	Amplifier	D&B/Tannoy/Biamp	Biamp REVAMP4240T	SITC of the proposed professional four-channel Class-D power amplifier for low-impedance and 70/100 V distributed loudspeaker systems, delivering minimum 4 x 240 W with bridge/parallel flexibility as offered. It shall provide balanced line inputs, loudspeaker terminal outputs, input gain controls, high-pass filtering, signal/limit/protection indication, thermal/over-current/short-circuit protection, efficient standby operation and rack mounting. Complete rack accessories, connectors, power and signal cables, shall be included.	1	Nos	
142	DSP	Shure/Biamp/Symetrix	Biamp TesiraFORTÉ DAN CI	SITC of the proposed fixed 1RU audio DSP having at least 12 mic/line inputs each with AEC and 48 V phantom power, 8 balanced mic/line outputs, minimum 32 x 32 Dante/AES67 network audio, USB audio, Ethernet control, RS-232 and GPIO; 24-bit/48 kHz processing; configurable matrix mixing, automixing, EQ, filters, dynamics, delay, routing, monitoring and diagnostics; frequency response 20 Hz–20 kHz, dynamic range minimum 108 dB shall be included.	1	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
143	Gooseneck Mic	Audio Technica/Televic/Shure	Audio Technica U857QL + AT8668S + AT8153	SITC of the proposed professional quick-mount cardioid condenser gooseneck microphone assembly comprising a long gooseneck microphone, anti-shock switched desk stand and two-stage foam windscreen. The microphone shall have a flexible small-diameter gooseneck of approximately 481 mm (18.94 inches), cardioid polar pattern with approximately 120° acceptance angle, frequency response 30 Hz–20 kHz, switchable flat/80 Hz low-frequency roll-off, sensitivity approximately -39 dB, balanced output impedance approximately 250 ohms, maximum input level minimum 139 dB SPL, dynamic range minimum 115 dB and signal-to-noise ratio minimum 70 dB. It shall incorporate RF-interference shielding and an integral 3-pin XLRM-type connector. The desk stand shall provide XLRF microphone input, XLRM output, press-on/press-off mute switch with illuminated microphone-on indication, minimum 55 dB mute attenuation at 1 kHz, anti-shock isolation and operation from 24–48 V DC phantom power; Complete microphone, switched desk stand, two-stage foam windscreen, mating connectors and required balanced audio cable shall be included.	2	Nos	
144	Chiarman Unit	Audio Technica/Televic/Stapes	STAPES /ST-615C2	SITC of proposed Chairman Conference Unit shall be a fully digital, table-embedded conference unit with an integrated high-fidelity microphone, touch-sensitive controls, OLED display, and speaker status indicators. It shall support priority speaking, microphone control, delegate speaking-request approval/rejection, speech timing, electronic voting, participant sign-in, and camera tracking through the central system. The unit shall support digital audio transmission at 48 kHz, frequency response of 30 Hz–20 kHz, automatic gain control, digital equalization, and echo/noise cancellation or equivalent processing. It shall feature a robust aluminium panel with a touch-sensitive glass surface, a 3.5 mm headphone output with adjustable volume, and compatible digital conference connectivity.	5	Nos	
145	Delegate Unit	Audio Technica/Televic/Stapes	STAPES /ST-615D2	SITC of proposed Delegate Conference Unit shall be a fully digital, table-embedded conference unit featuring a high-fidelity microphone, touch-sensitive controls, OLED display, and speaker status indication. It shall support delegate speaking requests, conference discussion, electronic voting, participant sign-in, speech timing, and camera tracking through the central system. The unit shall support digital audio transmission at 48 kHz, frequency response of 30 Hz–20 kHz, automatic gain control, digital equalization, and echo/noise cancellation or equivalent processing. It shall feature a robust aluminium panel with a touch-sensitive glass surface, a 3.5 mm headphone output with adjustable volume, and compatible digital conference connectivity with loop-through or daisy-chain support.	230	Nos	
146	Control Unit	Audio Technica/Televic/Stapes	STAPES INT CUR M9	SITC of proposed central system shall provide integrated control and management of conference units, comprising Chairman and Delegate Units, supporting microphone management, speaking permissions, participant identification, electronic voting, sign-in, and conference proceedings. The system shall comprise the following components: Intelligent Conference Controller, Touch-controlled digital controller supporting conference mode selection, microphone management, speaking limits, chairman priority, unit identification, and system status monitoring. The complete system shall support integrated conference discussion, electronic voting, participant management, speech timing, chairman priority, and automatic camera tracking with the proposed camera	3	Nos	
147	Server With Software	Audio Technica/Televic/Stapes	STAPES ST-VOTE20 + ST-VOTE1.0	SITC of proposed Electronic Voting Server – Dedicated voting server supporting configurable voting rules, pass thresholds, voting countdown, attendance calculation, confidential voting, and result management & Conference Management Software – Software for participant management, unit identification, sign-in, speaking-request control, voting, and real-time system monitoring, including web-based chairman control where supported.	1	Nos	
148	Extension Host	Audio Technica/Televic/Stapes	STAPES ST-650 K	SITC of proposed Conference Extension Host-Compatible extension units for digital signal distribution and system expansion, supporting reliable interconnection of conference units.	2	Nos	
149	Power Supply	Audio Technica/Televic/Stapes	STAPES ST-PBX	SITC of proposed Power Supply Extension Box – Dedicated power distribution units compatible with the proposed conference system and capable of supporting the specified system configuration.	18	Nos	
150	Touch Panel	Apple	Apple iPad with Microphone Control Application	SITC of the proposed Commercial touch-control interface using a current supported tablet/platform having minimum 10-inch display, Wi-Fi 6, minimum 64 GB storage, secure kiosk mode, licensed control application, protective enclosure, continuous charging dock,guided-access/device-management setup. Screen layouts and all source code shall be handed over.	2	Nos	
151	Docking Station	iPort/Lenevo/HP	iPort	SITC of the proposed Secure docking/charging station compatible having the offered transmitter/tablet; simultaneous charging of the stated quantity, charge/status indication, over-voltage/temperature protection, concealed cable management, lockable or tamper-resistant mounting and all power supplies/adaptors included. For wireless batteries, provide networked battery-health/runtime reporting where supported.	2	Nos	
152	Cable Cubby	BRX/Biamp/Kramer	BRX FLP-BL-UNIV2	SITC of the proposed recessed tabletop cable cubby with black metal finish and universal modular connectivity provision, suitable for flush installation in the conference table. It shall provide an accessible power outlet and configurable AV/data modules for HDMI, USB-C, USB-A, network and other scheduled services, with a smooth lift-up/flip lid, cable pass-through, strain relief and safe separation of mains and ELV wiring. Complete back box, modules, power cord, AV tails, fixing hardware, earthing, labeling, table cut-out template shall be included.	2	Nos	
153	AVoIP Encoder	Extron/Kramer/Biamp	Kramer KDS-17EN	SITC of the proposed AV-over-IP encoder having HDMI and DisplayPort input, video up to 4K60 with 4:4:4, HDCP 2.2, visually lossless low-latency transport not exceeding 1.5 frames, 8-channel PCM audio embedding/de-embedding, two balanced mic/line inputs, 1Gb copper and 10Gb SFP+ media ports plus separate control Ethernet, IEEE 802.1X, RS-232 and four GPIO; half-rack chassis.	12	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
154	AVoIP Decoder	Extron/Kramer/Biamp	Kramer KDS-17DEC	SITC of the proposed AV-over-IP decoder having HDMI output supporting up to 4K60, HDCP 2.2, visually lossless low-latency transport not exceeding 1.5 frames, multichannel PCM audio de-embedding, 1Gb copper and 10Gb SFP+ media ports plus separate control Ethernet, IEEE 802.1X, RS-232 and GPIO; half-rack chassis.approved make must interoperate end-to-end with all proposed encoders, switching and control.	18	Nos	
155	AVoIP Manager	Extron/Kramer/Biamp	Kramer AVoIP Manager	SITC of the proposed centralized AV-over-IP management and control platform compatible with the complete offered encoder, decoder and network-switching system; providing automatic endpoint discovery, device registration, source-to-destination routing, matrix switching, multicast configuration, video-wall layouts, presets, room/group management, endpoint naming, status monitoring, fault alerts, event logs and remote firmware/configuration management. The platform shall support secure role-based user access, HTTPS authentication, configuration backup and restore, API integration with the proposed room-control system, and scalable expansion for all scheduled endpoints plus minimum 20% spare capacity. It shall include the required server/appliance or virtual-machine resources, all perpetual licences, software, commissioning, configuration files.	1	Nos	
156	Lighting controller	Dynalite/Lutron/Casambi	Dynalite DDBC320-DALI V4	SITC of the proposed multi-channel DALI lighting controller having minimum two independent DALI buses or equivalent scheduled capacity, integrated bus power supply, programmable scenes, dimming, scheduling, diagnostics and integration with the specified lighting-control network. It shall support control of DALI and DALI-2 compatible drivers as applicable and include enclosure mounting, connectors, addressing, programming of editable configuration files.	2	Nos	
157	Relay Controller	Dynalite/Lutron/Casambi	Dynalite DDRC810DT-GL	SITC of the proposed eight-channel relay controller for lighting and auxiliary loads, with individually addressable outputs rated for the connected load types, manual override, status indication and network communication with the specified lighting-control system. It shall provide electrical isolation, over-current protection coordination and DIN-rail or enclosure mounting. Complete wiring accessories, programming shall be included.	2	Nos	
158	Communication Module	Dynalite/Lutron/Casambi	Dynalite DACM-V4	SITC of the proposed programmable lighting-control communication and application module providing the required network interface, logic, scheduling, event handling and integration between lighting controllers, user interfaces and third-party systems. It shall support the manufacturer's control protocol and specified serial/IP interfaces. Complete licenses, connectors, enclosure mounting, programming of editable project files shall be included.	2	Nos	
159	Button Panel	Dynalite/Lutron/Casambi	Dynalite PA6BPE-WW-X	SITC of the proposed six-button programmable wall control panel with configurable scene, on/off, raise/lower or function commands, LED status indication and engraved or printed labels. The panel shall communicate over the specified lighting-control network and include matching faceplate, back box, mounting hardware, bus connector, programming, labelling.	2	Nos	
160	Ethernet gateway	Dynalite/Lutron/Casambi	Dynalite PDEG	SITC of the proposed Ethernet gateway for secure IP integration, configuration and monitoring of the lighting-control network. It shall provide 10/100 Ethernet or better, native connection to the specified lighting bus, web or software-based commissioning, time synchronization, diagnostics and API/integration support as required. Complete power supply or PoE provision, mounting hardware, licenses, network configuration shall be included.	1	Nos	
161	Control System	Kramer/Extron/Biamp	Kramer KC-Virtual Brain1 + FC28	SITC of the proposed Programmable AV control platform based on functionality, having an IP-based processor or virtual controller, a minimum of eight configurable serial/IR/relay/I/O interfaces through the stated gateway, Ethernet control, secure user authentication, scheduling, device monitoring, event logging, and API/driver support for every proposed AV device. It shall include all perpetual licences, programming source code, GUI files, backups.	1	Nos	
162	Touch Panel	Apple	Apple iPad with Kramer Control Application	SITC of the proposed Commercial touch-control interface using a current supported tablet/platform having minimum 10-inch display, Wi-Fi 6, minimum 64 GB storage, secure kiosk mode, licensed control application, protective enclosure, continuous charging dock, guided-access/device-management application support. Screen layouts and all source code shall be handed over.	1	Nos	
163	Docking Station	iPort/Lenevo/HP	Iport	SITC of the proposed Secure docking/charging station compatible having the offered transmitter/tablet; simultaneous charging of the stated quantity, charge/status indication, over-voltage/temperature protection, concealed cable management, lockable or tamper-resistant mounting and all power supplies/adaptors included. For wireless batteries, provide networked battery-health/runtime reporting where supported.	1	Nos	
164	Network Switch	Netgear/Cisco/Juniper	Netgear GSM4248UX	SITC of the proposed fully managed AV switch having at least 40 x 1GbE PoE+/PoE++ access ports, multi-gigabit support on required ports, minimum 8 x 10Gb SFP+ uplinks, high PoE budget suitable for all connected AV endpoints, non-blocking switching, IGMP/MLD multicast control, VLAN, QoS, PTP, L2/L3 features, AV profiles and redundant uplinks; 1RU rack mount. Bidder shall submit port-by-port PoE load and bandwidth calculations.	2	Nos	
165	Core Switch	Netgear/Cisco/Juniper	Netgear XSM4328FV	SITC of the proposed managed 10Gb core/aggregation switch having at least 24 x 10G SFP+ and 4 x 10G copper or equivalent high-speed interfaces; non-blocking architecture, stacking/redundancy, L2/L3 routing, IGMP/MLD multicast, PTP, VLAN, QoS, link aggregation, redundant hot-swappable power options and 1RU rack mounting. Equivalent approved make shall meet the complete AV-over-IP bandwidth and resiliency calculation.	1	Nos	
166	DAC Cable	Netgear/Cisco/Juniper	Netgear AXC763	SITC of the proposed OEM-compatible 10G SFP+ direct-attach copper cable of specified length, passive construction, hot-swappable operation and compatibility having the proposed core/access switches. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	8	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
167	Access Point	Netgear/Cisco/Juniper	Netgear WAX610	SITC of the proposed enterprise indoor dual-band Wi-Fi 6 access point conforming to IEEE 802.11ax and backward compatible with 802.11a/b/g/n/ac, having aggregate wireless speed minimum AX1800, OFDMA, MU-MIMO, beamforming, band steering, load balancing, multiple SSIDs/VLANs, WPA2/WPA3 enterprise security and cloud/centralized management. It shall support 2.4 GHz and 5 GHz operation in WPC-approved Indian bands, include a minimum 1 GbE PoE+ uplink and ceiling/wall mounting kit. Complete PoE provisioning, licenses/subscription stated separately, configuration, RF optimization, testing and statutory compliance shall be included.	3	Nos	
168	AV Rack	Valrack / Cisco / WD	Valrack 41U AV RACK	SITC of the proposed 41U AV equipment rack, minimum 600 mm width and depth selected to suit the deepest equipment plus cable bend radius having welded/knock-down steel construction with minimum 500 kg static load for floor racks, lockable perforated front/rear doors and removable side panels, adjustable mounting rails, forced ventilation sized from submitted heat-load calculation, vertical/horizontal cable managers, earthing bar, minimum 6-way PDU with MCB/surge protection, shelves, blanking panels, castors and levelling feet.	1	Nos	
169	Cables & Connectors	Custom / Reputed	Custom / Reputed	SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1	Nos	
170	Device	Make	Model	Specifications standing committee			
171	Active LED	Xtreme Media/ViewSonic/Sony	Xtreme Media IGNIS P1.56mm	SITC of the proposed seamless indoor fine-pitch direct-view LED system Size: 3000mm x 1687.5mm using advanced Flip-Chip COB technology, having pixel pitch not exceeding 1.56 mm; modular die-cast aluminium cabinets of 600 x 337.5 mm; common-anode architecture; maximum brightness minimum 600 nits; contrast ratio minimum 20,000:1; refresh rate minimum 3,840 Hz; data processing minimum 13-bit; front/back ingress protection minimum IP60/IP50; maximum power consumption not more than 275 W/m^2; and cabinet weight not more than 21 kg/m^2. The complete system shall include LED cabinets/modules to achieve the approved active image size and resolution, controller/scaler, mounting structure, power and data distribution, calibration, all required cables and accessories, minimum 5% spare LED modules and spare PSU/receiving cards, heat-load and structural calculations shall be included	1	Nos	
172	Confidence Monitor	ViewSonic/Sony/NEC	Viewsonic CN6501-1C	SITC of the proposed 65-inch commercial 4K UHD presentation display having native 3840 x 2160 resolution, minimum 520-nit brightness, 5000:1 contrast ratio, 178° viewing angles, anti-glare surface, minimum 50,000-hour backlight life and continuous 24/7 landscape/portrait operation. It shall provide minimum two HDMI 2.1 inputs with HDCP 2.2, USB-C with DisplayPort video and minimum 15 W power delivery, USB media ports, LAN, RS-232 control, integrated 2 x 10 W speakers, embedded signage platform and wireless casting through AirPlay, Miracast and Chromecast. VESA mounting, remote, power cable.	1	Nos	
173	Floor Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed heavy-duty mounting system sized for the offered display and site structure, having minimum safe working load four times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish. Complete brackets, anchors, fasteners, safety hardware, alignment and testing shall be included.	1	Nos	
174	Display	ViewSonic/Sony/NEC	Viewsonic CN6501-1C	SITC of the proposed 65-inch commercial 4K UHD presentation display having native 3840 x 2160 resolution, minimum 520-nit brightness, 5000:1 contrast ratio, 178° viewing angles, anti-glare surface, minimum 50,000-hour backlight life and continuous 24/7 landscape/portrait operation. It shall provide minimum two HDMI 2.1 inputs with HDCP 2.2, USB-C with DisplayPort video and minimum 15 W power delivery, USB media ports, LAN, RS-232 control, integrated 2 x 10 W speakers, embedded signage platform and wireless casting through AirPlay, Miracast and Chromecast. VESA mounting, remote, power cable.	2	Nos	
175	Wall Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed heavy-duty mounting system sized for the offered display and site structure, having minimum safe working load four times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish. Complete brackets, anchors, fasteners, safety hardware, alignment and testing shall be included.	2	Nos	
176	Display	ViewSonic/Sony/NEC	Viewsonic CN4301-1C	SITC of the proposed 43-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	2	Nos	
177	Wall Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	2	Nos	
178	25X PTZ Cameras	Aver/DVDO/Sony	DVDO C5	SITC of the proposed professional 4K PTZ camera having minimum 25x optical zoom, high-sensitivity image sensor, HDMI, 3G-SDI, USB and IP video outputs as applicable, and simultaneous streaming/control over the network. It shall support autofocus, wide dynamic range, low-light operation, pan/tilt presets, AI-based auto-framing and presenter/speaker tracking, and standard control protocols including VISCA over IP/RS-232/RS-422. PoE+ power, wall/ceiling mount, remote/controller compatibility, power supply, cabling, firmware, configuration and testing shall be included. Exact sensor, field of view, zoom, output formats.	3	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
179	Mounting	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	3	Nos	
180	HDMI Extender	DVDO/Extron/Lightware	DVDO-Xtend-Pair150	SITC of the proposed HDBaseT transmitter/receiver pair extending 4K60 HDMI up to 150 m over category cable, having HDCP, bidirectional control/IR as supported, PoC and required power supplies/mounting accessories. It shall support minimum 4K60 4:4:4 or approved system format, HDCP 2.2, minimum 150 m over approved Cat6A where specified, bidirectional control/IR, PoC, EDID management, ESD protection and all power/mounting accessories.	4	Nos	
181	Multiviewer	EDS/DVDO/Extron	EDS Auruga VM	SITC of the proposed proposed multiviewer providing multiviewer shall meet the specified functional requirements and include all power supplies, mounting hardware, licenses, interconnecting accessories, OEM warranty, testing and commissioning. Bidder shall submit the official manufacturer datasheet and clause-by-clause compliance statement. Bidder shall state input/output count and formats, maximum resolution/frame rate, layout presets, labels/tallies, low-latency processing, scaling, audio handling, control interfaces.	1	Nos	
182	Capture Card	Inogeni/DVDO/Biamp	DVDO-USB3.2-Capture-Pro	SITC of the proposed proposed capture card providing professional USB 3.2 video capture interface supporting uncompressed HDMI capture up to 4K input and broadcast-quality USB output, UVC/UAC compatibility, embedded audio and plug-and-play operation. State maximum HDMI input and USB output resolution/frame rate, UVC/UAC compliance, chroma sampling, audio embedding, latency and supported operating systems.	1	Nos	
183	Joystick	Aver/DVDO/Sony	DVDO-Camera-Ctl-1	SITC of the proposed professional IP PTZ camera controller having an integrated colour touchscreen and multi-axis joystick for smooth pan, tilt and zoom operation. It shall support control of multiple cameras over IP and serial interfaces using standard protocols including VISCA, VISCA-over-IP, ONVIF and Pelco as applicable, with camera selection, preset storage/recall, focus, exposure, white-balance and speed controls. Network connectivity, PoE or approved power supply, firmware, desktop mounting, patch cables, programming of all camera addresses/presets, labeling, operator training and functional testing shall be included.	1	Nos	
184	Recorder & Streamer	BXB/BRX/AJA	BXB HDR 731	SITC of the proposed Hardware streaming/recording processor having multi-input video capture, simultaneous recording and live streaming, H. 264/H.265 encoding as supported, local/network storage, HDMI monitoring, scheduled operation and web-based management. Minimum simultaneous input, recording and streaming channels; supported resolution/frame rate/codecs; storage capacity; network protocols; redundancy; scheduling; metadata; and remote management shall be stated.	1	Nos	
185	DSP	Shure/Biamp/Symetrix	Biamp TesiraFORTÉ AVB VT	SITC of the proposed fixed-I/O digital signal processor for professional conferencing and sound reinforcement, having minimum 12 analog mic/line inputs and 8 analog outputs, configurable USB audio, AVB or equivalent networked audio, acoustic echo cancellation, automixing, matrix mixing, equalization, dynamics, delay, feedback suppression and logic/control functions. It shall support secure Ethernet configuration and monitoring and include required software, licenses, rack accessories, programming, tuning, commissioning and handover of editable configuration files.	1	Nos	
186	POE	Biamp/BRX/Extron	Biamp POE29U-1AT(PL)D-R	SITC of the proposed proposed poe providing iEEE 802.3at PoE+ midspan/injector with minimum 30 W output at the powered-device port, 1GbE pass-through, 100–240 VAC input, short-circuit/over-voltage protection, status LEDs and regulatory certification. The bidder shall confirm compatibility and power class for the connected endpoint.	1	Nos	
187	USB Extender	Shure/Biamp/Symetrix	Biamp Tesira EX-USB	SITC of the proposed Networked USB audio expander for Tesira systems having minimum 2×2 configurable USB audio channels, AVB network connectivity, PoE operation and software-configurable routing for conferencing applications. Minimum USB 3.x data rate and maximum certified extension length shall be stated; include transparent support for cameras, audio and HID devices, power delivery where required, ESD protection and all transmitter/receiver power and mounting accessories.	1	Nos	
188	Amplifier	D&B/Tannoy/Biamp	Biamp Voltera A 600.4	SITC of the proposed compact four-channel Class-D amplifier having minimum 600 W total shared output; nominal 150 W per channel with power sharing up to twice the nominal channel rating; each channel independently selectable for 4/8 ohm, 70 V or 100 V operation; balanced inputs, protection/limiting, remote standby and status indication; half-rack width with single or tandem 1RU mounting accessories. Equivalent approved make shall provide equal or better total power and mixed high-/low-impedance flexibility.	1	Nos	
189	Ceiling Speakers	D&B/Tannoy/Biamp	Biamp CM20DT	SITC of the proposed two-way flush-mount ceiling loudspeaker for speech and music reproduction, having minimum 5.25-inch low-frequency driver with dome tweeter, wide and uniform coverage, 30 Watts at 16 Ohms low-impedance and 20, 10, 5 watts tapping at 70/100 V transformer operation with selectable power taps, paintable magnetic grille and plenum-rated backcan where required.	11	Nos	
190	Gooseneck Mic	Audio Technica/Televic/Shure	Audio Technica U857QL + AT8668S + AT8153	SITC of the proposed professional cardioid condenser gooseneck microphone system comprising a flexible gooseneck microphone, shock-isolated desk base with programmable mute switch and status indication, and compatible windscreen. It shall provide speech-optimized frequency response, balanced low-impedance output, phantom-power operation, RF interference protection and stable tabletop use. Complete cable, connector, base, windscreen, configuration, testing.	2	Nos	
191	Chiarman Unit	Audio Technica/Televic/Stapes	STAPES /ST-EM-C	SITC of the proposed chairman discussion unit having gooseneck microphone connection, integrated loudspeaker, microphone on/off control, chairman priority/override key, status indication and digital daisy-chain connectivity. The unit shall permit the chairman to activate or interrupt discussion microphones in accordance with the configured meeting mode. Complete microphone, interconnection cable, termination accessories, configuration shall be included.	3	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
192	Delegate Unit	Audio Technica/Televic/Stapes	STAPES / ST-EM D	SITC of the proposed delegate discussion unit having gooseneck microphone connection, integrated loudspeaker, microphone request/on-off control, status indication and digital daisy-chain connectivity. It shall support automatic or operator-managed discussion modes, clear speech reproduction and secure connection to the specified conference control unit. Complete microphone, interconnection cable, termination accessories, addressing, configuration and testing shall be included.	26	Nos	
193	Control Unit	Audio Technica/Televic/Stapes	STAPES /ST-INT CU- M	SITC of the proposed digital conference discussion-system control unit capable of powering, controlling and monitoring all scheduled chairman and delegate discussion units through expandable daisy-chain or loop connectivity. It shall provide configurable microphone operating modes, chairman priority management, audio input/output, system diagnostics and control interfaces available on the offered model. Complete rack mounting, required power supplies, interface cables, configuration software, programming, testing and commissioning shall be included.	1	Nos	
194	Presentation Switcher	Kramer/DVDO/Biamp	Kramer VS-66H2 + FC46H2	SITC of the proposed professional 6 x 6 HDMI matrix switching system with associated audio embed/de-embed interface, supporting independently routable HDMI inputs and outputs up to 4K UHD at 60 Hz, 4:4:4 colour, HDR and HDCP 2.2. It shall provide EDID management, reclocking/equalization, embedded and balanced analog audio routing, front-panel controls, presets and remote control through Ethernet and RS-232. Complete rack mounting, power supplies, control integration, certified interconnects, configuration, firmware and testing shall be included.	1	Nos	
195	Cable Cubby	BRX/Biamp/Kramer	BRX FLP-BL-UNIV2	SITC of the proposed recessed tabletop cable cubby with black metal finish and universal modular connectivity provision, suitable for flush installation in the conference table. It shall provide an accessible power outlet and configurable AV/data modules for HDMI, USB-C, USB-A, network and other scheduled services, with a smooth lift-up/flip lid, cable pass-through, strain relief and safe separation of mains and ELV wiring. Complete back box, modules, power cord, AV tails, fixing hardware, earthing, labeling, table cut-out template shall be included.	2	Nos	
196	Presentation Extender TX	Kramer/DVDO/Biamp	Kramer SWT3-21-HU-TR	SITC of the proposed 2-input presentation switcher/transmitter combining USB-C and HDMI source switching with 4K60 video and USB extension over a single Cat6A/HDBaseT-class link. USB-C shall support DisplayPort Alt Mode and power delivery as offered; the unit shall support HDCP, HDR, EDID management, automatic/manual switching, USB host/device routing and bidirectional control. Minimum transmission distance shall be 70 m at 4K over approved cable. Complete mounting, power/PoC arrangement, receiver compatibility, patch leads, programming and testing shall be included.	2	Nos	
197	Presentation Extender RX	Kramer/DVDO/Biamp	Kramer EXT3-XR-TR	SITC of the proposed long-reach 4K receiver for the specified presentation extender system, receiving video, USB, audio and control over a single Cat6A/HDBaseT-class link at minimum 70 m for 4K signals. It shall provide HDMI output, USB peripheral ports, bidirectional RS-232/IR or equivalent control, HDCP/HDR/EDID compatibility and PoC/PoH where supported. Complete mounting hardware, power arrangement, certified patch leads, firmware, configuration and end-to-end testing with the paired transmitter shall be included.	2	Nos	
198	USB Switcher	Kramer/DVDO/Biamp	Kramer SWT3-41-U	SITC of the proposed professional four-input USB host switcher permitting one set of USB conferencing peripherals to be selected among four host computers. It shall support USB 3.x SuperSpeed data at minimum 5 Gbps, transparent USB 2.0/1.1 compatibility, automatic or controlled host switching, status indication and external control through contact closure/RS-232/Ethernet as offered. Complete power supply, mounting hardware, certified USB cables, control integration, configuration and functional testing with all connected hosts and peripherals shall be included.	1	Nos	
199	Juction Box	Custom / Reputed	Custom / Reputed	SITC of the proposed AV junction box fabricated from corrosion-resistant metal or approved engineering polymer, sized for the scheduled power, audio, video, data and control terminations. It shall provide segregated routing for mains and ELV circuits, removable labelled connector plates, cable glands, strain relief, earthing and lockable service access. Complete connectors, terminal blocks, internal wiring, mounting hardware, identification labels, continuity testing and installation shall be included.	1	Nos	
200	HDMI DA	Kramer/DVDO/Biamp	Kramer DA3-18-H	SITC of the proposed 1-input to 8-output professional HDMI distribution amplifier supporting signals up to 4K UHD at 60 Hz, HDR, HDCP 2.2 or better, EDID management, signal equalization/reclocking and simultaneous distribution to all outputs without degradation. It shall include locking power supply, mounting accessories, certified HDMI patch leads, configuration and end-to-end testing. Equivalent approved make/model meeting or exceeding the input/output count and video bandwidth shall be acceptable.	1	Nos	
201	HDMI TX	Kramer/DVDO/Biamp	Kramer KRAMER TP-583-T	SITC of the proposed 4K HDR HDMI transmitter over HDBaseT or equivalent long-reach twisted-pair technology, supporting HDMI 2.0 signals up to 4K at 60 Hz with 4:4:4 colour, HDR and HDCP 2.2, together with bidirectional RS-232 and IR control. It shall transmit minimum 70 m at 4K over approved shielded Cat6A cable and support EDID pass-through and reliable clock/data recovery. Complete power/PoC arrangement, mounting brackets, HDMI and network patch leads, termination, labeling and link testing with the paired receiver shall be included.	5	Nos	
202	HDMI RX	Kramer/DVDO/Biamp	Kramer KRAMER TP-583 R	SITC of the proposed 4K HDR HDMI receiver over HDBaseT or equivalent long-reach twisted-pair technology, supporting HDMI 2.0 output up to 4K at 60 Hz with 4:4:4 colour, HDR and HDCP 2.2, together with bidirectional RS-232 and IR control. It shall receive minimum 70 m at 4K over approved shielded Cat6A cable and support EDID pass-through and reliable clock/data recovery. Complete power/PoC arrangement, mounting brackets, HDMI and network patch leads, termination, labeling and link testing with the paired transmitter shall be included.	5	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
203	HDMI TX	Kramer/DVDO/Biamp	Kramer KRAMER TP-583-T	SITC of the proposed 4K HDR HDMI transmitter over HDBaseT or equivalent long-reach twisted-pair technology, supporting HDMI 2.0 signals up to 4K at 60 Hz with 4:4:4 colour, HDR and HDCP 2.2, together with bidirectional RS-232 and IR control. It shall transmit minimum 70 m at 4K over approved shielded Cat6A cable and support EDID pass-through and reliable clock/data recovery. Complete power/PoC arrangement, mounting brackets, HDMI and network patch leads, termination, labeling and link testing with the paired receiver shall be included.	2	Nos	
204	HDMI RX	Kramer/DVDO/Biamp	Kramer KRAMER TP-583 R	SITC of the proposed 4K HDR HDMI receiver over HDBaseT or equivalent long-reach twisted-pair technology, supporting HDMI 2.0 output up to 4K at 60 Hz with 4:4:4 colour, HDR and HDCP 2.2, together with bidirectional RS-232 and IR control. It shall receive minimum 70 m at 4K over approved shielded Cat6A cable and support EDID pass-through and reliable clock/data recovery. Complete power/PoC arrangement, mounting brackets, HDMI and network patch leads, termination, labeling and link testing with the paired transmitter shall be included.	2	Nos	
205	Wireless Presenter	AirServer / Biamp/ DVDO	AirServer Connect 3 + Dongle	SITC of the proposed enterprise wireless presentation gateway with companion plug-and-present dongle, supporting native AirPlay 2, Google Cast and Miracast, encrypted infrastructure casting, moderator control and simultaneous on-screen presentation. The appliance shall support 4K UHD output at 60 Hz, minimum 2.5 GbE LAN, WPA2/WPA3 and IEEE 802.1X security, touchback over supported protocols, centralized management and local-session privacy. USB-C/HDMI display connectivity, power supply, magnetic/security mount shall be included.	1	Nos	
206	Control System	Kramer/Extron/Biamp	Kramer KC-Virtual Brain1 + FC28	SITC of the proposed Programmable AV control platform based on functionality, having IP-based processor or virtual controller, minimum eight configurable serial/IR/relay/I/O interfaces through the stated gateway, Ethernet control, secure user authentication, scheduling, device monitoring, event logging and API/driver support for every proposed AV device. It shall include all perpetual licences, programming source code, GUI files, backups and minimum 3-year software support.	1	Nos	
207	Touch Panel	Apple	Apple iPad with Kramer Control Application	SITC of the proposed Commercial touch-control interface using a current supported tablet/platform having minimum 10-inch display, Wi-Fi 6, minimum 64 GB storage, secure kiosk mode, licensed control application, protective enclosure, continuous charging dock, guided-access/device-management setup and minimum 3-year application support. Screen layouts and all source code shall be handed over.	1	Nos	
208	Docking Station	iPort/Lenevo/HP	iPort	SITC of the proposed Secure docking/charging station compatible having the offered transmitter/tablet; simultaneous charging of the stated quantity, charge/status indication, over-voltage/temperature protection, concealed cable management, lockable or tamper-resistant mounting and all power supplies/adaptors included. For wireless batteries, provide networked battery-health/runtime reporting where supported.	1	Nos	
209	Room Scheduler	Biamp/Poly/Cisco	Biamp Evoko Liso	SITC of the proposed networked room-booking panel having an approximately 8-inch capacitive anti-fingerprint touchscreen, colour status indication visible from a distance, proximity sensor and RFID support. It shall integrate with the specified calendar/room-booking platform, permit on-screen booking, extension, release and fault reporting, support centralized self-hosted management and minimum 20 interface languages, and operate through PoE or approved low-voltage adapter. Wall and glass mounting accessories, network/power cabling, software configuration, calendar integration CE/RoHS compliance shall be included	2	Nos	
210	Wifi Router	Netgear/Cisco/Juniper	Netgear WAX610	SITC of the proposed enterprise indoor dual-band Wi-Fi 6 access point conforming to IEEE 802.11ax and backward compatible with 802.11a/b/g/n/ac, having aggregate wireless speed minimum AX1800, OFDMA, MU-MIMO, beamforming, band steering, load balancing, multiple SSIDs/VLANs, WPA2/WPA3 enterprise security and cloud/centralized management. It shall support 2.4 GHz and 5 GHz operation in WPC-approved Indian bands, include a minimum 1 GbE PoE+ uplink and ceiling/wall mounting kit. Complete PoE provisioning, licenses/subscription stated separately, configuration, RF optimization shall be included.	1	Nos	
211	Network Switch	Netgear/Cisco/Juniper	Netgear GSM4230P	SITC of the proposed fully managed AV switch having at least 40 x 1GbE PoE+/PoE++ access ports, multi-gigabit support on required ports, minimum 8 x 10Gb SFP+ uplinks, high PoE budget suitable for all connected AV endpoints, non-blocking switching, IGMP/MLD multicast control, VLAN, QoS, PTP, L2/L3 features, AV profiles and redundant uplinks; 1RU rack mount. Bidder shall submit port-by-port PoE load and bandwidth calculations.	1	Nos	
212	AV Rack	Valrack / Cisco / WD	Valrack 24U AV RACK	SITC of the proposed 24U AV equipment rack, minimum 600 mm width and depth selected to suit the deepest equipment plus cable bend radius having welded/knock-down steel construction with minimum 500 kg static load for floor racks, lockable perforated front/rear doors and removable side panels, adjustable mounting rails, forced ventilation sized from submitted heat-load calculation, vertical/horizontal cable managers, earthing bar, minimum 6-way PDU with MCB/surge protection, shelves, blanking panels, castors and levelling feet.	1	Nos	
213	Cables & Connectors	Custom / Reputed	Custom / Reputed	SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1	Nos	
214	Device	Make	Model	Specifications	Qty	Nos	
215	Ante Room						
216	Display	ViewSonic/Sony/NEC	Viewsonic CN4301-1C	SITC of the proposed 43-inch class 4K UHD commercial display having wireless casting with AirPlay and Miracast for seamless connectivity, native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	1	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
217	Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1	Nos	
218	Cables & Connectors	Custom / Reputed	Custom / Reputed	SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1	Nos	
219	Device	Make	Model	Specifications			
220	VIP Lift Lobby						
221	Signage Display	ViewSonic/Sony/NEC	Viewsonic CN4301-1C + Signage	SITC of the proposed 43-inch class 4K UHD commercial display having Intuitive signage player supports various content formats, scheduling, and uninterrupted playback, wireless casting with AirPlay and Miracast for seamless connectivity, native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	1	Nos	
222	Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1	Nos	
223	Cables & Connectors	Custom / Reputed	Custom / Reputed	SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1	Nos	
224	HOD / Sabhapati						
225	Device	Make	Model	Specifications	Qty	Nos	
226	Display	ViewSonic/Sony/NEC	Viewsonic CN5501-1C	SITC of the proposed 55-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	1	Nos	
227	Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1	Nos	
228	Cables & Connectors	Custom / Reputed	Custom / Reputed	SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1	Nos	
229	Lounge Area						
230	Device	Make	Model	Specifications	Qty	Nos	
231	Display	ViewSonic/Sony/NEC	Viewsonic CN5501-1C	SITC of the proposed 55-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	1	Nos	
232	Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1	Nos	
233	Cables & Connectors	Custom / Reputed	Custom / Reputed	SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1	Nos	
234	Round Seated Room						
235	Device	Make	Model	Specifications	Qty	Nos	
236	Display	ViewSonic/Sony/NEC	Viewsonic CN6501-1C	SITC of the proposed 65-inch commercial 4K UHD presentation display having native 3840 x 2160 resolution, minimum 520-nit brightness, 5000:1 contrast ratio, 178° viewing angles, anti-glare surface, minimum 50,000-hour backlight life and continuous 24/7 landscape/portrait operation. It shall provide minimum two HDMI 2.1 inputs with HDCP 2.2, USB-C with DisplayPort video and minimum 15 W power delivery, USB media ports, LAN, RS-232 control, integrated 2 x 10 W speakers, embedded signage platform and wireless casting through AirPlay, Miracast and Chromecast. VESA mounting, remote, power cable.	1	Nos	
237	Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
238	Cables & Connectors	Custom / Reputed	Custom / Reputed	SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1	Nos	
239	War Room						
240	Device	Make	Model	Specifications	Qty	Nos	
241	Display	ViewSonic/Sony/NEC	Viewsonic CN5501-1C	SITC of the proposed 55-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	1	Nos	
242	Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1	Nos	
243	All In One Bar	Biamp/Poly/Cisco	Biamp Parlé VBC 2500a	SITC of the proposed All-in-one conferencing bar having integrated beamtracking microphone array, loudspeakers and 4K ePTZ camera; USB connection to room PC/BYOD; Auto programming, automatic framing, echo cancellation and professional DSP; wall/display mounting accessories included.	1	Nos	
244	Presentation Switcher	Kramer/DVDO/Biamp	DVDO-Xtend-USBC-HDMI-70	SITC of the proposed 4K60 HDMI and USB-C presentation extender set over HDBaseT or equivalent, comprising transmitter and receiver and supporting HDMI plus USB-C DisplayPort Alt Mode input, USB data extension and uncompressed video up to 3840 x 2160 at 60 Hz. Transmission distance shall be minimum 70 m over Cat6A cable, with HDCP 2.2, HDR, EDID management, bidirectional control and PoC/PoH where offered. Complete transmitter, receiver, power supplies, mounting brackets, certified patch leads, connectors, configuration and end-to-end testing shall be included.	1	Nos	
245	Cable Cubby	BRX/Biamp/Kramer	BRX FLP-BL-UNIV2	SITC of the proposed recessed tabletop cable cubby with black metal finish and universal modular connectivity provision, suitable for flush installation in the conference table. It shall provide an accessible power outlet and configurable AV/data modules for HDMI, USB-C, USB-A, network and other scheduled services, with a smooth lift-up/flip lid, cable pass-through, strain relief and safe separation of mains and ELV wiring. Complete back box, modules, power cord, AV tails, fixing hardware, earthing, labeling, table cut-out template shall be included.	1	Nos	
246	Room Scheduler	Biamp/Poly/Cisco	Biamp Evoko Liso	SITC of the proposed networked room-booking panel having an approximately 8-inch capacitive anti-fingerprint touchscreen, colour status indication visible from a distance, proximity sensor and RFID support. It shall integrate with the specified calendar/room-booking platform, permit on-screen booking, extension, release and fault reporting, support centralized self-hosted management and minimum 20 interface languages, and operate through PoE or approved low-voltage adapter. Wall and glass mounting accessories, network/power cabling, software configuration, calendar integration CE/RoHS compliance shall be included	1	Nos	
247	AVoIP Decoder	Extron/Kramer/Biamp	Kramer KDS-17DEC	SITC of the proposed AV-over-IP decoder having HDMI output supporting up to 4K60, HDCP 2.2, visually lossless low-latency transport not exceeding 1.5 frames, multichannel PCM audio de-embedding, 1Gb copper and 10Gb SFP+ media ports plus separate control Ethernet, IEEE 802.1X, RS-232 and GPIO; half-rack chassis. Equivalent approved make must interoperate end-to-end with all proposed encoders, switching and control.	1	Nos	
248	HDMI Cable	Extron/Lightware/Biamp	Biamp EasyConnect HDMI4k-10	SITC of the proposed 3 m (10 ft) premium passive HDMI Type-A male-to-male cable conforming to HDMI 2.0, supporting 3840 x 2160 resolution at 60 Hz, maximum data rate 18 Gbps, HDR, HDCP 2.2, CEC, EDID and multichannel digital audio.	3	Nos	
249	Type C- Cable	Extron/Lightware/Biamp	Biamp EasyConnect USB3-10-CC	SITC of the proposed 3 m (10 ft) passive USB Type-C to Type-C cable conforming to USB 3.2 Gen 1, supporting minimum 5 Gbps SuperSpeed data, bidirectional USB Power Delivery up to 45 W and DisplayPort 1.4 Alt Mode with video up to 3840 x 2160 at 60 Hz.	1	Nos	
250	Type A-B	Extron/Lightware/Biamp	Biamp EasyConnect USB3-10-AB	SITC of the proposed 3 m (10 ft) passive USB Type-A to Type-B cable conforming to USB 3.x SuperSpeed and supporting minimum 5 Gbps data transfer, backward compatibility with USB 2.0/1.1 where applicable.	1	Nos	
251	Cables & Connectors	Custom / Reputed	Custom / Reputed	SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1	Nos	
252	Commissioner Chember						
253	Device	Make	Model	Specifications	Qty	Nos	
254	Display	ViewSonic/Sony/NEC	Viewsonic CDE8630	SITC of the proposed 86-inch class professional commercial display having native 3840 x 2160 resolution, minimum 450-nit class brightness, 24/7 or better duty rating, anti-glare panel, integrated speakers minimum 2 x 16 W, HDMI, DisplayPort and USB-C with video/data/power delivery, USB media playback, LAN/RS-232 control, remote device management, OPS/compute expansion where offered and VESA mounting.	1	Nos	
255	Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
256	PTZ Camera	Aver/DVDO/Sony	Aver CAM570	SITC of the proposed dual-lens 4K conferencing camera comprising a motorized PTZ optical camera having minimum 12x optical zoom and a secondary wide-angle AI camera; 4K30 output, minimum 95° wide-angle field of view, speaker/presenter/zone tracking, auto framing, USB 3. x, HDMI and IP streaming/control, PoE+, VISCA/IP control and remote management. It shall include wall/display mount and cabling.	1	Nos	
257	Camera Wall Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed heavy-duty camera wall mount compatible with the offered conferencing camera and site structure, providing secure fixing, required pan/tilt alignment, concealed cable routing and corrosion-resistant finish. The mount shall have a safe working load of at least four times the installed camera weight or the manufacturer rating, whichever is higher. Complete bracket, anchors, fasteners, safety hardware, alignment and testing shall be included.	1	Nos	
258	DSP Bundle	Shure/Biamp/Symetrix	Biamp MRB-L-X400-C-CIC6	SITC of the proposed complete large-room networked conferencing audio bundle comprising one USB-enabled DSP with acoustic echo cancellation, noise reduction and network audio, two beamtracking ceiling microphones including PoE+ amplification, four 6.5-inch ceiling loudspeakers and all specified plenum-rated network cables and mounting accessories. The system shall support automatic device discovery, room tuning and report generation, synchronized UC mute indication and interoperability with Microsoft Teams Rooms, Zoom Rooms, Google Meet, Cisco Webex and equivalent platforms.	1	Nos	
259	Presentation Switcher	Kramer/DVDO/Biamp	DVDO-Xtend-USBC-HDMI-70	SITC of the proposed 4K60 HDMI and USB-C presentation extender set over HDBaseT or equivalent, comprising transmitter and receiver and supporting HDMI plus USB-C DisplayPort Alt Mode input, USB data extension and uncompressed video up to 3840 x 2160 at 60 Hz. Transmission distance shall be minimum 70 m over Cat6A cable, with HDCP 2.2, HDR, EDID management, bidirectional control and PoC/PoH where offered. Complete transmitter, receiver, power supplies, mounting brackets, certified patch leads, connectors, configuration and end-to-end testing shall be included.	1	Nos	
260	Cable Cubby	BRX/Biamp/Kramer	BRX FLP-BL-UNIV2	SITC of the proposed recessed tabletop cable cubby with black metal finish and universal modular connectivity provision, suitable for flush installation in the conference table. It shall provide an accessible power outlet and configurable AV/data modules for HDMI, USB-C, USB-A, network and other scheduled services, with a smooth lift-up/flip lid, cable pass-through, strain relief and safe separation of mains and ELV wiring. Complete back box, modules, power cord, AV tails, fixing hardware, earthing, labeling, table cut-out template shall be included.	1	Nos	
261	Room Scheduler	Biamp/Poly/Cisco	Biamp Evoko Liso	SITC of the proposed networked room-booking panel having an approximately 8-inch capacitive anti-fingerprint touchscreen, colour status indication visible from a distance, proximity sensor and RFID support. It shall integrate with the specified calendar/room-booking platform, permit on-screen booking, extension, release and fault reporting, support centralized self-hosted management and minimum 20 interface languages, and operate through PoE or approved low-voltage adapter. Wall and glass mounting accessories, network/power cabling, software configuration, calendar integration CE/RoHS compliance shall be included	1	Nos	
262	Reception Monitor	ViewSonic/Sony/NEC	ViewSonic VG1655	SITC of the proposed portable 15.6-inch class Full HD IPS monitor having native 1920 x 1080 resolution, anti-glare surface, wide viewing angles, USB-C video with power delivery and HDMI input, integrated stand and protective cover. It shall support single-cable operation with compatible sources and include required USB-C/HDMI cables, power adapter, carry protection, testing and minimum 3-year warranty.	1	Nos	
263	Two-way Communicator	Biamp/Zycoo/Vocia	Biamp ATOM	SITC of system that allows the receptionist to enter visitor names and generate requests for approval by the designated moderator. The moderator shall be able to view, select, and approve the specific visitor permitted to enter the designated room. The approved visitor's name shall automatically reflect on the display installed at the receptionist's desk. The system shall ensure real-time synchronization between the receptionist interface, moderator interface, and reception display. The solution shall include a mini PC/NUC with minimum Intel Core i5 processor or equivalent, 16 GB RAM, 512 GB SSD, Network : Gigabit Ethernet, RJ-45 (Cat 5 and above), and video output upto 4k UHD, Physical interface - HDMI 2.0 and 2 outputs. The scope shall include all necessary hardware & software.	1	Nos	
264	Touch Interface	Apple	Apple iPad for Two Way	SITC of the proposed Commercial touch-control interface using a current supported tablet/platform having minimum 10-inch display, Wi-Fi 6, minimum 64 GB storage, secure kiosk mode, licensed control application, protective enclosure, continuous charging dock, guided-access/device-management setup. Screen layouts and all source code shall be handed over.	2	Nos	
265	Docking Station	iPort/Lenevo/HP	iPort	SITC of the proposed Secure docking/charging station compatible having the offered transmitter/tablet; simultaneous charging of the stated quantity, charge/status indication, over-voltage/temperature protection, concealed cable management, lockable or tamper-resistant mounting and all power supplies/adaptors included. For wireless batteries, provide networked battery-health/runtime reporting where supported.	2	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
266	Network Switch	Netgear/Cisco/Juniper	Netgear GSM4212P	SITC of the proposed fully managed professional AV network switch having minimum 12 ports comprising 10 x 1GbE copper ports and 2 x 1GbE SFP uplink ports. Minimum 8 copper ports shall support IEEE 802.3at PoE+ up to 30 W per port with total available PoE budget not less than 125 W. The switch shall provide non-blocking Layer 2/Layer 3 switching, VLAN, QoS, link aggregation, port mirroring, jumbo frames minimum 12 KB, DHCP services, IPv4/IPv6 support, PTPv2 and enhanced IGMP multicast control suitable for reliable 1Gb AV-over-IP transport. It shall include a dedicated AV-oriented web interface with configurable port profiles for common video-over-IP and Dante/AES67 applications, together with secure web, console, SSH or equivalent management. The unit shall be maximum 1RU, suitable for standard rack, recessed, wall or under-table mounting, with rear-facing network and power connections and quiet operation not exceeding approximately 30 dBA under normal conditions. Complete SFP compatibility, rack-mounting brackets, console cables, power cord, firmware, configuration, VLAN and multicast setup, port labelling, testing and commissioning shall be included. AVB support, if required, shall be provided with the necessary licence.	1	Nos	
267	Wifi Router	Netgear/Cisco/Juniper	Netgear WAX610	SITC of the proposed enterprise indoor dual-band Wi-Fi 6 access point conforming to IEEE 802.11ax and backward compatible with 802.11a/b/g/n/ac, having aggregate wireless speed minimum AX1800, OFDMA, MU-MIMO, beamforming, band steering, load balancing, multiple SSIDs/VLANs, WPA2/WPA3 enterprise security and cloud/centralized management. It shall support 2.4 GHz and 5 GHz operation in WPC-approved Indian bands, include a minimum 1 GbE PoE+ uplink and ceiling/wall mounting kit. Complete PoE provisioning, licenses/subscription stated separately, configuration, RF optimization, testing and statutory compliance shall be included.	2	Nos	
268	AVoIP Decoder	Extron/Kramer/Biamp	Kramer KDS-17DEC	SITC of the proposed AV-over-IP decoder having HDMI output supporting up to 4K60, HDCP 2.2, visually lossless low-latency transport not exceeding 1.5 frames, multichannel PCM audio de-embedding, 1Gb copper and 10Gb SFP+ media ports plus separate control Ethernet, IEEE 802.1X, RS-232 and GPIO; half-rack chassis. Equivalent approved make must interoperate end-to-end with all proposed encoders, switching and control.	1	Nos	
269	HDMI Cable	Extron/Lightware/Biamp	Biamp EasyConnect HDMI4k-10	SITC of the proposed 3 m (10 ft) premium passive HDMI Type-A male-to-male cable conforming to HDMI 2.0, supporting 3840 x 2160 resolution at 60 Hz, maximum data rate 18 Gbps, HDR, HDCP 2.2, CEC, EDID and multichannel digital audio.	3	Nos	
270	Type C- Cable	Extron/Lightware/Biamp	Biamp EasyConnect USB3-10-CC	SITC of the proposed 3 m (10 ft) passive USB Type-C to Type-C cable conforming to USB 3.2 Gen 1, supporting minimum 5 Gbps SuperSpeed data, bidirectional USB Power Delivery up to 45 W and DisplayPort 1.4 Alt Mode with video up to 3840 x 2160 at 60 Hz.	1	Nos	
271	Type A-B	Extron/Lightware/Biamp	Biamp EasyConnect USB3-10-AB	SITC of the proposed 3 m (10 ft) passive USB Type-A to Type-B cable conforming to USB 3.x SuperSpeed and supporting minimum 5 Gbps data transfer, backward compatibility with USB 2.0/1.1 where applicable.	1	Nos	
272	Cables & Connectors	Custom / Reputed	Custom / Reputed	SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1	Nos	
273	Mayor's Chember						
274	Device	Make	Model	Specifications	Qty	Nos	
275	Display	ViewSonic/Sony/NEC	Viewsonic CDE8630	SITC of the proposed 86-inch class professional commercial display having native 3840 x 2160 resolution, minimum 450-nit class brightness, 24/7 or better duty rating, anti-glare panel, integrated speakers minimum 2 x 16 W, HDMI, DisplayPort and USB-C with video/data/power delivery, USB media playback, LAN/RS-232 control, remote device management, OPS/compute expansion where offered and VESA mounting.	1	Nos	
276	Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1	Nos	
277	PTZ Camera	Aver/DVDO/Sony	Aver CAM570	SITC of the proposed dual-lens 4K conferencing camera comprising a motorized PTZ optical camera having minimum 12x optical zoom and a secondary wide-angle AI camera; 4K30 output, minimum 95° wide-angle field of view, speaker/presenter/zone tracking, auto framing, USB 3. x, HDMI and IP streaming/control, PoE+, VISCA/IP control and remote management. It shall include wall/display mount and cabling.	1	Nos	
278	Camera Wall Mount	Custom / Reputed	Custom / Reputed	SITC of the proposed heavy-duty camera wall mount compatible with the offered conferencing camera and site structure, providing secure fixing, required pan/tilt alignment, concealed cable routing and corrosion-resistant finish. The mount shall have a safe working load of at least four times the installed camera weight or the manufacturer rating, whichever is higher. Complete bracket, anchors, fasteners, safety hardware, alignment and testing shall be included.	1	Nos	
279	DSP Bundle	Shure/Biamp/Symetrix	Biamp MRB-L-X400-C-CIC6	SITC of the proposed complete large-room networked conferencing audio bundle comprising one USB-enabled DSP with acoustic echo cancellation, noise reduction and network audio, two beamtracking ceiling microphones including PoE+ amplification, four 6.5-inch ceiling loudspeakers and all specified plenum-rated network cables and mounting accessories. The system shall support automatic device discovery, room tuning and report generation, synchronized UC mute indication and interoperability with Microsoft Teams Rooms, Zoom Rooms, Google Meet, Cisco Webex and equivalent platforms.	1	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
280	Presentation Switcher	Kramer/DVDO/Biamp	DVDO-Xtend-USBC-HDMI-70	SITC of the proposed 4K60 HDMI and USB-C presentation extender set over HDBaseT or equivalent, comprising transmitter and receiver and supporting HDMI plus USB-C DisplayPort Alt Mode input, USB data extension and uncompressed video up to 3840 x 2160 at 60 Hz. Transmission distance shall be minimum 70 m over Cat6A cable, with HDCP 2.2, HDR, EDID management, bidirectional control and PoC/PoH where offered. Complete transmitter, receiver, power supplies, mounting brackets, certified patch leads, connectors, configuration and end-to-end testing shall be included.	1	Nos	
281	Cable Cubby	BRX/Biamp/Kramer	BRX FLP-BL-UNIV2	SITC of the proposed recessed tabletop cable cubby with black metal finish and universal modular connectivity provision, suitable for flush installation in the conference table. It shall provide an accessible power outlet and configurable AV/data modules for HDMI, USB-C, USB-A, network and other scheduled services, with a smooth lift-up/flip lid, cable pass-through, strain relief and safe separation of mains and ELV wiring. Complete back box, modules, power cord, AV tails, fixing hardware, earthing, labeling, table cut-out template shall be included.	1	Nos	
282	Room Scheduler	Biamp/Poly/Cisco	Biamp Evoko Liso	SITC of the proposed networked room-booking panel having an approximately 8-inch capacitive anti-fingerprint touchscreen, colour status indication visible from a distance, proximity sensor and RFID support. It shall integrate with the specified calendar/room-booking platform, permit on-screen booking, extension, release and fault reporting, support centralized self-hosted management and minimum 20 interface languages, and operate through PoE or approved low-voltage adapter. Wall and glass mounting accessories, network/power cabling, software configuration, calendar integration CE/RoHS compliance shall be included	1	Nos	
283	Monitor	ViewSonic/Sony/NEC	ViewSonic VG1655	SITC of the proposed portable 15.6-inch class Full HD IPS monitor having native 1920 x 1080 resolution, anti-glare surface, wide viewing angles, USB-C video with power delivery and HDMI input, integrated stand and protective cover. It shall support single-cable operation with compatible sources and include required USB-C/HDMI cables, power adapter, carry protection, testing and minimum 3-year warranty.	1	Nos	
284	Two-way Communicator	Biamp/Zycoo/Vocia	Biamp ATOM	SITC of system that allows the receptionist to enter visitor names and generate requests for approval by the designated moderator. The moderator shall be able to view, select, and approve the specific visitor permitted to enter the designated room. The approved visitor's name shall automatically reflect on the display installed at the receptionist's desk. The system shall ensure real-time synchronization between the receptionist interface, moderator interface, and reception display. The solution shall include a mini PC/NUC with minimum Intel Core i5 processor or equivalent, 16 GB RAM, 512 GB SSD, Network : Gigabit Ethernet, RJ-45 (Cat 5 and above), and video output upto 4k UHD, Physical interface - HDMI 2.0 and 2 outputs. The scope shall include all necessary hardware & software.	1	Nos	
285	Touch Interface	Apple	Apple iPad for Two Way	SITC of the proposed Commercial touch-control interface using a current supported tablet/platform having minimum 10-inch display, Wi-Fi 6, minimum 64 GB storage, secure kiosk mode, licensed control application, protective enclosure, continuous charging dock, guided-access/device-management setup. Screen layouts and all source code shall be handed over.	2	Nos	
286	Docking Station	iPort/Lenevo/HP	Iport	SITC of the proposed Secure docking/charging station compatible having the offered transmitter/tablet; simultaneous charging of the stated quantity, charge/status indication, over-voltage/temperature protection, concealed cable management, lockable or tamper-resistant mounting and all power supplies/adaptors included. For wireless batteries, provide networked battery-health/runtime reporting where supported.	2	Nos	
287	Network Switch	Netgear/Cisco/Juniper	Netgear GSM4212P	SITC of the proposed fully managed professional AV network switch having minimum 12 ports comprising 10 x 1GbE copper ports and 2 x 1GbE SFP uplink ports. Minimum 8 copper ports shall support IEEE 802.3at PoE+ up to 30 W per port with total available PoE budget not less than 125 W. The switch shall provide non-blocking Layer 2/Layer 3 switching, VLAN, QoS, link aggregation, port mirroring, jumbo frames minimum 12 KB, DHCP services, IPv4/IPv6 support, PTPv2 and enhanced IGMP multicast control suitable for reliable 1Gb AV-over-IP transport. It shall include a dedicated AV-oriented web interface with configurable port profiles for common video-over-IP and Dante/AES67 applications, together with secure web, console, SSH or equivalent management. The unit shall be maximum 1RU, suitable for standard rack, recessed, wall or under-table mounting, with rear-facing network and power connections and quiet operation not exceeding approximately 30 dBA under normal conditions. Complete SFP compatibility, rack-mounting brackets, console cables, power cord, firmware, configuration, VLAN and multicast setup, port labelling, testing and commissioning shall be included. AVB support, if required, shall be provided with the necessary licence.	1	Nos	
288	Wifi Router	Netgear/Cisco/Juniper	Netgear WAX610	SITC of the proposed enterprise indoor dual-band Wi-Fi 6 access point conforming to IEEE 802.11ax and backward compatible with 802.11a/b/g/n/ac, having aggregate wireless speed minimum AX1800, OFDMA, MU-MIMO, beamforming, band steering, load balancing, multiple SSIDs/VLANs, WPA2/WPA3 enterprise security and cloud/centralized management. It shall support 2.4 GHz and 5 GHz operation in WPC-approved Indian bands, include a minimum 1 GbE PoE+ uplink and ceiling/wall mounting kit. Complete PoE provisioning, licenses/subscription stated separately, configuration, RF optimization, testing and statutory compliance shall be included.	2	Nos	
289	AVoIP Decoder	Extron/Kramer/Biamp	Kramer KDS-17DEC	SITC of the proposed AV-over-IP decoder having HDMI output supporting up to 4K60, HDCP 2.2, visually lossless low-latency transport not exceeding 1.5 frames, multichannel PCM audio de-embedding, 1Gb copper and 10Gb SFP+ media ports plus separate control Ethernet, IEEE 802.1X, RS-232 and GPIO; half-rack chassis. Equivalent approved make must interoperate end-to-end with all proposed encoders, switching and control.	1	Nos	
290	HDMI Cable	Extron/Lightware/Biamp	Biamp EasyConnect HDMI4k-10	SITC of the proposed 3 m (10 ft) premium passive HDMI Type-A male-to-male cable conforming to HDMI 2.0, supporting 3840 x 2160 resolution at 60 Hz, maximum data rate 18 Gbps, HDR, HDCP 2.2, CEC, EDID and multichannel digital audio.	3	Nos	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
291	Type C- Cable	Extron/Lightware/Biamp	Biamp EasyConnect USB3-10-CC	SITC of the proposed 3 m (10 ft) passive USB Type-C to Type-C cable conforming to USB 3.2 Gen 1, supporting minimum 5 Gbps SuperSpeed data, bidirectional USB Power Delivery up to 45 W and DisplayPort 1.4 Alt Mode with video up to 3840 x 2160 at 60 Hz.	1	Nos	
292	Type A-B	Extron/Lightware/Biamp	Biamp EasyConnect USB3-10-AB	SITC of the proposed 3 m (10 ft) passive USB Type-A to Type-B cable conforming to USB 3.x SuperSpeed and supporting minimum 5 Gbps data transfer, backward compatibility with USB 2.0/1.1 where applicable.	1	Nos	
293	Cables & Connectors	Custom / Reputed	Custom / Reputed	SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1	Nos	
				Landscaping Light			
1				LED Post Top Light - 45W - 3000K - Die cast aluminium body, extra safety glass, stainless steel screws, pure polyester powder coating, Input Voltage - 230V AC, SMD High Power LED, 3 step Macadam LED, CRI 80+, Streetlighting optics, IP65	34	Nos	
2				Square GI Pole - 3m high (100mm by 100mm) with 4 nos. steel anchor bolts, Powder coated, ceramic connector with MCB included	136	Nos.	
3				Spike Light - 12W IP66 - Solid anti corrosive 6082T grade aluminium body, extra safety tempered glass, double layer anodised plus pure polyester powder coating, stainless steel screws, GFR Polymer spike, Input Voltage - 230V AC, Diameter - 69mm, Length - 150mm, COB High Power LED, 3 step Macadam, LED Life - 50,000 hours	35	Nos.	
4				Spike Light - 6W - IP66 - Narrow Beam - Solid anti corrosive 6082T grade aluminium body, extra safety tempered glass, double layer anodised plus pure polyester powder coating, stainless steel screws, GFR Polymer spike, Input Voltage - 230V AC, Diameter - 49mm, Length - 150mm, COB High Power LED, 3 step Macadam, LED Life - 50,000 hours	452	Nos.	
5				6W step light, IP67 - Solid anti corrosive 6082T grade aluminium body, extra safety tempered glass, double layer anodised plus pure polyester powder coating, stainless steel screws, Input Voltage - 230V AC, COB High Power LED, 3 step Macadam, LED Life - 50,000 hours	80	Nos.	
6				6W ground burial, IP67 - Solid anti corrosive 6082T grade aluminium body, extra safety tempered glass, double layer anodised plus pure polyester powder coating, stainless steel screws, Input Voltage - 230V AC, COB High Power LED, 3 step Macadam, LED Life - 50,000 hours	297	Nos.	
7				3W ceiling recessed downlight, IP65 - Solid anti corrosive 6082T grade aluminium body, extra safety tempered glass, double layer anodised plus pure polyester powder coating, stainless steel screws, Input Voltage - 230V AC, COB High Power LED, 3 step Macadam, LED Life - 50,000 hours	79	Nos.	
8				8W underwater recessed downlight - Body made of SS 316 housing and step tempered glass PVC mounting sleeve, high quality LED lens, constant voltage remote driver, Input Voltage - 24V	20	Nos.	
9				12W underwater surface fountain downlight -Body made of SS 316 housing and step tempered glass PVC mounting sleeve, high quality LED lens, constant voltage remote driver, Input Voltage - 24V	50	Nos.	
10				6W surface spot light, IP68 - underwater surface fountain downlight -Body made of SS 316 housing and step tempered glass PVC mounting sleeve, high quality LED lens, constant voltage remote driver, Input Voltage - 24V	13	Nos.	
11				xterior Inground Recessed Upilghter 8X3W 15º 3000K IP67 Dimension: D150mm x H110mm Input Voltage: 36V 700mA Power consumption: 24W Efficiency: 82% Brand of LEDs: LED CREE or equivalent Angle: 15°, Material: Aluminium Finishing (Color housing): stainless steel IP: 67 Solid aluminium body SS 316 Faceplate SS 316 screws Best in class thermal management Neoprene Italian all-weather proof cable High quality IP68 gland with anti capillary feature	55	Nos.	
				EV CHARGER			
1				Supplying, erecting, testing and commissioning of 60 kW DC Electric Vehicle Charger (suitable for 4 wheeler) having minimum IK08 & IP 54 Protection suitable for three phase, 415V AC, 50Hz incoming supply and 2 nos of 30kW outgoing charger interface CCS2 with 200-700VDC supply,interlocking arrangement with minimum 5 meter charging cable Length, 7" LCD Touch Screen for human interface & LED Light for status indication and metering for measurement of consumed energy having metering accuracy +/-1% , emergency push stop button. User interface by mobile App/QR Code/RFID Card, and APP less Login with payment options. And having short circuit, over & under voltage, input phase reversal, surge protection, earth leakage protection and enclosure made of minimum 1.5mm duly RAL7035 coated M.S, erected on iron/GI frame on provided cement concrete foundation complete with one year on site warranty, conforming to IS 17017 Series as per specification all include with software etc.	4	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
2				Supplying, erecting, testing and commissioning of 15kW, 7.5 + 7.5 KW AC Electric Vehicle charger (suitable for 4 wheeler) having minimum IK08/IP 54 Protection suitable for three phase, 415V AC, 50Hz incoming and 2 nos. of outgoing as Type2 charging guns each having 5 meter cable. Each gun having capacity of output current of 32A 240VAC with 20*4 char screen for human interface & LED Light for status indication and metering for measurement of consumed energy having metering accuracy +/-1%, emergency push stop button, with user interface by mobile application/QR Code/RFID Card and App less charging. And having short circuit, over & under voltage, overload, over temperature, earth leakage protection and enclosure made of minimum 1.5mm duly RAL7035 Coated M.S, Erected on MS Pole on provided cement concrete foundation complete with one year on site warranty all include with software etc..	13	No.	
3				Supplying, erecting, testing and commissioning of 44kW, 22 + 22 KW AC Electric Vehicle charger (suitable for 4 wheeler) having minimum IK08/IP 54 Protection suitable for three phase, 415V AC, 50Hz incoming and 2 nos. of outgoing as Type2 charging guns each having 5 meter cable. Each gun having capacity of output current of 32A 240VAC with 20*4 char screen for human interface & LED Light for status indication and metering for measurement of consumed energy having metering accuracy +/-1%, emergency push stop button, with user interface by mobile application/QR Code/RFID Card and App less charging. And having short circuit, over & under voltage, overload, over temperature, earth leakage protection and enclosure made of minimum 1.5mm duly RAL7035 Coated M.S, Erected on MS Pole on provided cement concrete foundation complete with one year on site warranty all include with software etc..	4	No.	
4				Supplying, erecting, testing and commissioning of 6kW DC, 3kW Type6 + 3KW Type7 DC Electric Vehicle charger (suitable for 2/3 wheeler) having minimum IK08/IP 54 Protection suitable for single phase, 215V AC, 50Hz incoming and 2 nos. of outgoing output current of 32A 200V DC at each charging gun with minimum 2 meter charging cable Length, 7" LCD Touch Screen for human interface & LED Light for status indication and metering for measurement of consumed energy having metering accuracy +/-1%, emergency push stop button, with user interface by mobile application/QR Code/RFID Card and App less charging. And having short circuit, over & under voltage, overload, over temperature, earth leakage protection and enclosure made of minimum 1.5mm duly RAL7035 Coated M.S, Erected on MS pole on provided cement concrete foundation complete with one year on site warranty all include with software etc.	10	No.	
5				Supplying, erecting, testing and commissioning of 3kW, 1.5 x 1.5 KW AC Electric Vehicle charger (suitable for 2/3 wheeler) having minimum IK08/IP 54 Protection suitable for single phase, 215V AC, 50Hz incoming and 2 nos. of outgoing as India three pin sockets having capacity of output current of 10A 240VAC at each socket with 20*4 char screen for human interface & LED Light for status indication and metering for measurement of consumed energy having metering accuracy +/-1%, emergency push stop button, with user interface by mobile application/QR Code/RFID Card and App less charging. And having short circuit, over & under voltage, overload, over temperature, earth leakage protection and enclosure made of minimum 1.5mm duly RAL7035 Coated M.S, Erected on MS Pole on provided cement concrete foundation complete with one year on site warranty all include with software etc..	85	No.	
6				Supplying, erecting, testing and commissioning, EV chargers MS mounting Pole 100*200*1300mm powder coated and anti rust procedured	95	No.	
ELEVATOR							
				VERTICAL TRANSPORTATION SITC of Electric Traction Passenger Lift with Rated capacity :- 20 /16/15 Passenger Floors :- B+G+7 floor (9 Stops/9Landings) Travel :- +2.45mt to +43.70 mtrs Location of Lift Machine:- MR/MRL Rated speed :- 1.5mps VS Car/Landing door clear opening of 1000mm wide x 2000 mm high Clear Car size of .....mm wide x mm deep x 2250mm high Lift shaft available having clear size of .....mm wide x .....mm deep, ...mm Pit depth, ……mm Overhead. Doors type :- COPO/TOPO Doors with frame made from SS 304 grade solid(non-cladded) sheet of 1.5mm thick in hairline finish for car and all landing doors with SS door architraves/frames The lift doors shall have minimum 2 hour fire rating (with submission of necessary valid test certificate issued by NABL accredited or Independent test laboratory). Lift car enclosure made from SS 304 grade solid (non-cladded) sheet of 1.5mm, thick with hairline finish with frame made from MS girders, bracing of adequate size with minimum safety factor of 5, with Toe Guard Apron, with necessary false ceiling with adequate LED lights, blower/fan for ventilation & SS chequered plate flooring, handrails, mirror, emergency light etc. The lift car interior design shall be done as per the directions of engineer in charge. Rear mid panel should be in metal finish and will be selected by as per directives of EIC COP with SS face plate having metallic push buttons with Braille code & luminous indicator around button with FPI, scrolling UP/DN LED indicator & with / without attendant key switch, OWD with audio-visual alarm, VAS in Marathi, Hindi & English with intercom system with telephone instrument in Lift car, LMR & FCC/ground floor.			

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
				COP with SS face plate having recess/surface push button box for all landings with scrolling UP/DN LED indicator having metallic push buttons with Braille code & luminous indicator around button with CPI, Lift car arrival & next travel direction audio-visual indication at all landings. Lift controller of simplex full collective based on microprocessor/ PLC with VVVF Drive having closed loop control system, with IBMS compatible having necessary port. The controller shall have necessary Protections such as overcurrent, overvoltage, over speed, overheat for all devices including lift motor and travel direction protection, protection for phase loss at input or output etc. ,various operation modes such as maintenance, change direction by attendant, full load bypass, VIP call operation, self levelling operation, call cancel facility, auto return to home landing, fireman evacuation operation, earthquake operation, door open/close operation from COP etc. The system can record information for minimum 30 latest faults, with real-time clock management and handheld keypad with LCD screen for view and setting of parameters, The control panel duly wired with proper size & strength, copper wire for power & control circuit, with provision for addition of floor/control card & allied accessories control panel having enclosure of 1.5mm CRCA sheet with powder coating with IP54 Protection class. ARD complete with necessary SMF VRLA batteries. Fireman controller having fireman switch at fire Landing. CCTV surveillance system comprises of 2 nos minimum 2.0MP FHD IP based vandal proof Dome camera in lift car & in LMR/inside lift shaft top aimed on Lift machinery & controller with NVR kept in LMR/FCC with HDR data backup for min. 90 days with min. 20" FHD TV monitor, to be kept in FCC/LMR as directed by Engineer In Charge. Lift Machine of Gearless PMSM of suitable kW with duty cycle of minimum 120 starts/hr (with			
				erected with necessary steel work Minor civil work such as alteration work if any necessary for erection of landing door frames and it's accessories e.g. sill, header, hole pass etc complete with plaster finish, civil work for erection buffers, erection of lift machinery, adequate size core cuts if required & scaffolding for erecting guide rails, providing and fixing steel girders/RCC work having adequate strength for mounting and hoisting lift machine etc. complete as per specification no. LFT. General: - Job includes entire procedure of obtaining all necessary erection permissions & "License to Work the Lift" from Electrical Inspector(Lifts) with submission to the Engineer In Charge. The above rate includes Fully Comprehensive AMC for Three year from the date of commissioning.			
1				VIP Lift:- Capsul Related Capacity :- 20 Passenger Floor :- B+G+7 floor (9 Stop/9 Landing Travel Distance :- 33 Mtr	2		
2				Related Capacity :- 15 Passenger Floor :- G+7 floor (8 Stop/ 8 Landing Travel Distance :- 23.8 Mtr	1		
3				Related Capacity :- 16 Passenger Floor :- B+G+7 floor (9 Stop/9 Landing Travel Distance :- 33 Mtr	4		
4				Related Capacity :- 15 Passenger Floor :- B+G+5 floor (7 Stop/7 Landing Travel Distance :- 28.1 Mtr	3		
5				Related Capacity :- 20 Passenger Floor :- B+G+7 floor (9 Stop/9 Landing Travel Distance :- 33 Mtr	2		
Lighting Protection System							
				Design, Supply, Installation Testing & Commissioning Of Lighting Protection System with Requied Risk Analysis			
1				1000mm AT WITH BASE 10MM DIA Blunt Tip Aluminium rod	14	Per pc	
2				200mm AT with Base - 10mm dia solid Aluminium rod with Base - Blunt tip terminal Complying with IEC 62305	1	Per pc	
3				2mtr mast 34mm dia pipe GI with provision of AT base with base plate	6	Per pc	
4				8mm dia Aluminium conductor for installation of roof/terrace complying IEC 62305	533	Per Mtr	
5				Parapet Holding Clamp - SS 304 grade suitable for 8/10mm dia conductor	146	Per pc	
6				Parapet holding clamp - Polyamide for 8mm dia conductor with UV resistant grade material	387	Per pc	
7				Vario connector with SS 304 grade material tested as per IEC 62561-1 from Govt. accredited laboratory	6	Per pc	
8				Bridging Cable 50sq mm Cu flexible - 500mm with lugs	4	Per pc	
9				Concrete block round type	50	Per pc	
10				Expansion piece with connector (Dual) of Aluminium grade material tested as per IEC 62561-1 from Govt Accredited Laboratory and with CE compliance	30	Per pc	
11				8 / 10 mm dia universal cross connector SS 304 grade material tested as per IEC 62561-1 from Govt. Accredited laboratory and with CE compliance	20	Per pc	
12				Test Link - Round To flat SS304 tested as per IEC 62561-1 from govt. Accredited Laboratory	20	Per pc	
13				8 / 10 mm dia universal cross connector SS 304 grade material tested as per IEC 62561-1 from Govt. Accredited laboratory and with CE compliance	20	Per pc	
14				8mm dia Aluminium conductor for installation of roof/terrace complying IEC 62305	880	Per Mtr	
15				Vario connector with SS 304 grade material tested as per IEC 62561-1 from Govt. accredited laboratory	9	Per pc	
16				Electromechanical counter with IP 65 box complying with IEC 62305 and tested as per 62561 from accredited NABL/Govt. Accredited Lab.	1	Per pc	
17				25X5mm GI strip with 70mic avg GI coating complying with IEC 62305 and tested as per 62561 from accredited NABL/Govt. Accredited Lab.	530	per Mtr	
18				Saddle for Flat strip suitable for 25mm wide strip size complying to IS-IES 62302 and tested as per 62561 from accredited NABL/Govt. Accredited Lab.	40	Per pc	
19				CROSS CONNECTOR SUITABLE FOR 25X6/5/3 FOR FLAT STRIP OF SS 304 MATERIAL COMPLYING IS/IEC 62305 and tested as per IS 62561-1 from Govt. Accredited laboratory	50	Per pc	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
20				14.2mm dia solid CBR, 250micron, 3mtr tested for short circuit rating of 12kA RMS and 24kA peak from Govt. accredited Laboratory	20	Per pc	
21				14.2mm dia SS double sided clamp	20	Per pc	
22				25kg Carbon+bentonite based backfill compound GEC-Sure Carbon based backfill compound complying IEEE 80, with ROHS compliance from NABL govt. accredited laboratory.	20	Per Bag	
23				HDPE chamber - High Density poly ethylene chamber for earth inspection	20	Per pc	
24				Lumsum installation testing & commissioning Charges	1	Lum	
				FAS SYSTEM			
1				Supplying, erecting testing and commissioning of Addressable multi sensor heat detector (Below ceiling and for the Electrical/LV duct)with smoke and heat combination (RoR + fix temperature) with base on back box, necessary connections complete as per specification no. FF-FAS/HD.	1145	Each	
2				Supplying, erecting and testing LPG Gas Detectror with necessary interface module complete on box.	5	Each	
3				MAIN FIRE PANEL : Supply, Installation, testing & Commissioning of Microprocessor based 12-loop panel , True Peer-to-Peer Networkable Addressable Integrated Fire Alarm Control Panel with minimum 600 characters LCD display, 10,000 event plus 1000 alarm log history events, The graphic backlit LCD display. The panel should be equipped with sufficient numbers of loops considering 20% spare capacity in each loop. The connectivity of nos. of total detectors and devices in each loop shall be as per vender design. Configuration software freely downloadable.Modbus,Fibre optic,RS422 ports available. The fire alarm panel shall inetgrated digital voice alarm controller & fire fighter's telephone system. The panel shall have inbuilt call station with sufficient number zone selection keys.The panel shall work in degrade mode in case of CPU failure. Four access levels, flash EPROM, 240 volts AC power supply, automatic battery charger, 24 volts sealed lead acid batteries sufficient for 24 hours normal working and 30 mins in alarm condition. Note: The fire alarm panel shall be servicable by any system integrator. interfacing with third party equipment via a MODBUS/ OPC/ L-ON interface etc. conforming to IS 15908:2021, IS 2189: 2008, EN 54 & VDS / FM/ UL 864 (10th edition) with 3 years replacement warranty	2	Each	
4				Supplying, installing, testing and commissioning of repeater panel with suitable battery backup of a minimum of 24 hours in normal condition and 30 min in alarm condition, Suffiecient backlit alphanumeric LCD display with inbuilt buzzer to indicate fault/fire alarm, manual control keys for silence/mute and to reset the FACP from the repeater station. Panel conforming to EN 54 or UL approved with 3 years equipment replacement warranty	2	Each	
5				Supply, installation, testing & commissioning of BMS Integration with BACnet / Modbus protocol as per technical specification for monitoring & Control. Vendor to organize APIs/SDKs for custom integrations to other systems.	1	Each	
6				Supply, Installation, testing & Commissioning of Addressable Fire Fighter's Telephone Jack with suitable interface module for two way communication between Remote Fire Fighter & Fire Command Center.along with addressable control module	80	Each	
7				Supply, Installation, testing & Commissioning of Fire Fighter's Telephone Handset for two way communication between Remote Fire Fighter & Fire Command Center. The suitable housing shall be provided to keep handset.	20	Each	
8				Supply and installation of 2 C X 1.5 Sq mm multi stranded twisted pair amoured FRLS Copper cable. for telephone jack (ADDRESEBLE).	800	METER	
				PA SYSTEM			
1				Supply, Installation, testing & Commissioning of 6W Ceiling Recessed Speaker with max SPL @1M/1W 88dB . Frequency response of 125Hz-16KHz. The speaker must have a metal grill & tappings at 6W/3W/1.5W. White color speaker with good aesthetics.	775	Each	
2				Supply and installation of Booster amplifier 480W with all accessories.	12	Each	
3				Supply & installation of 16 channel zone control panel/ Zone selector to control the output of the amplifier.	10	Each	
4				Supply & installation of Unidirectional Dynamic Vocal & Speech Microphone.	6	Each	
				WIFI SYSTEM			
1				Supply, Installation, Testing & commissioning of WIFI ACCESS POINT MAKES:- Tp-Link/NetGear/CISCO/ASUS/Zyxel	225	Each	
2				Supplying, fixing, and configuring 4-ports managed gigabit switches layer-2, 10/100/1000 base-T PoE smart switch plus 2 SFP (Fiber optic Uplink Port, enable the switch to connect to all fiber in cables) only complete.	16	Nos	
3				Supplying and fixing 12 port Fiber optic patch panel with tool-less keystone jacks in provided U Rack complete as per specification	1	Nos	
4				Supplying, fixing, and configuring 12-ports fiber optic switches.	1	Nos	
				IBMS SYSTEM			
1				**BUILDING MANAGEMENT SYSTEM**			
				DDC Controllers generally as specified complete with			
				i) Microprocessor(min 32bit)			
				ii) I/O Cards as specified & required with real time clock			
				iii) Indicating lamps			
				iv) Port for hand held terminal			
				v) Serial / Parallel port for networking			
				vi) EPROM / EEPROM memory back-up			
				vii) All peripherals as specified and shown on drgs.			
				viii) All necessary software required to complete the package.			
				ix) Required transformers for 220/ 24 v conversion			
1.1				**THIRD PARTY INTEGRATION:**			

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
				SITC of 3rd Party Integrator/ Protocol Converter shall be BTL/UL listed and embeded web server. Required Gateway for integration of DDC controllers, third party services. Support natively Standard Open Protocols such as BACNet , MODBUS, Lonworks etc. Gateway shall have 2 nos. 10/100 ethernet ports, 2 nos. RS-485 communication port. Gateways shall be DHCP enabled & have an option of creating whitelisting I/P for cybersecurity. Shall have self contained database for storing graphics, trends, alarm, schedule.			
a				Supply, installation, Testing and Commissioing of the Protocol Integrato rto integrate UPS 3#with all necessary accessories to complete the package (Modbus/RS-485).	1	Lot	
b				Supply, installation, Testing and Commissioning of Gateway Protocol integrator to integrate DG Panel as required including the perfect integration and to further co-ordinate with the DG Vendor (DG Panel shall be supplied by DG Vendor) (Modbus/RS-485). (DG=4#)	1	Lot	
c				Supply, installation, Testing and Commissioning of Gateway Protocol integrator to integrate Fire Alarm with BMS= (3063 points) over BACNET IP	1	Lot	
d				Supply, installation, Testing and Commissioning of Gateway Protocol integrator to integrate Elevator Control Integration with BMS (Elevator =16#)	1	Lot	
e				Supply, installation, Testing and Commissioning of Gateway Protocol integrator to integrate Water meters soft Integration with BMS (10 soft points)	1	Lot	
f				Supply, installation, Testing and Commissioing of the Protocol Integrato rto integrate VAV Boxes (250#)with all necessary accessories to complete the package (Modbus/RS-485). Soft point of 100 nos shall be considered .	1	Lot	
g				Supply, installation, Testing and Commissioing of the Protocol Integrato rto integrate STP Panel with all necessary accessories to complete the package (Modbus/RS-485). Soft point of 20 nos shall be considered .	1	Lot	
h				Supply, installation, Testing and Commissioing of the Protocol Integration to integrate Basemnet ventilation Panel with all necessary accessories to complete the package (Modbus/RS-485). Soft point of 500 nos shall be considered .	1	Lot	
i				Supply, installation, Testing and Commissioing of the Protocol Integration to integrate Chiller Plant Manager	1	Lot	
i				Supply, installation, Testing and Commissioing of the Protocol Integration to integrate Cooling tower water treatment system	1	Lot	
i				Supply, installation, Testing and Commissioing of the Protocol Integration to integrate Condenser auto tube cleaning system	1	Lot	
i				Supply, installation, Testing and Commissioing of the Protocol Integration to integrate Third Party SCADA system	1	Lot	
i				Supply, installation, Testing and Commissioing of the Protocol Integration to integrate Smart DB Panel	1	Lot	
1.1a				Reports of Smart DB Panel(Buitin Reports on Subscription basis (for 1Yr)within the BMS Software)	1	No	
1.1b				Energy dashboard & Analysis of Critical energy Meters on Subscription based (1Yr) within the BMS Software	1	No	
3				DDC CONTROLLER:			
				SITC of Standalone BTL & UL listed BACNet I/P field DDC controller having universal input/ output ports. Controller shall have 2 10/100 ethernet port. DDC controller shall be DHCP enabled to ensure VPN network .			
				All DDC Controllers shall be provided with hinged doors with locking facility. Apart from the controllers, the enclosers shall house the terminal blocks, load relays and associaetd equipment. The internal wiring in the enclosure shall be factory wired. The packaging shall be such that complete installation of the field equipment and field wiring can be done prior to the installation of the electronics.			
				The controller shall be independent in operation and the failure of any other device / controller or the operator workstations, shall not cause any disruption to the function of the rest of the system. The DDC controllers shall have the facility to implement user modifiable time schedules as daily, weekly, monthly annual temporary schedules.			
				The DDC of the following,			
3.1				DDC for AHUS (1DDC per AHU)	43	No	
3.2				DDC for HRW (1 DDC per HRW)	12	NO	
3.3				DDC for Pressurization Fans (1 DDC 4 FANS)	38	No	
3.4				DDC for Electrical Breakers as per IO summary	1	LOT	
3.5				DDC for Pumps	1	LOT	
3.6				DDC for STP pumps	1	LOT	
3.7				DDC For CO2 Sensors Monitoring	1	LOT	
3.8				DDC for Chiller Plant Manager	1	LOT	
4				FIELD DEVICES/SENSORS			
4.1				Immersion Temp Sensor with thermowell	34	No	
4.2				Water DP switch for Pumps	20	No	
4.3				Water DP Transmitter	16	No	
4.4				Water Level Sensor	10	No	
4.5				AIr DP Switch for FAN RUN status	67	No	
4.6				AIr DP Switch for Pre-Filter status	42	No	
4.7				Air DP Switch for MERV 13 Filter	55	No	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
4.8				Air DP Switch for MERV-8 Filter	12	No	
4.9				Water Level S/W for UG and OH water Tanks	8	No	
4.1				Air Temp Sensor to control PICV valve	45	NO	
4.11				AIr temp & % Rh sensor for Monitoring	44	NO	
4.12				Co2 Sensor for HRW to control VFD	45	No	
4.13				Falemproof Level Switch	6	NO	
4.14				Flameproof Level Sensor	9	NO	
5				NETWORK SWITCH			
				Installation of switch with 10/100/1000 non-POE, Unmanaged Switch and with two SFP slots and all related termination accessories as per site specific system requirement . SFP Modules shall be considered as specified in the line items in the BOQ below . Compliance to Technical specs to be confirmed as given in tender specs. Wall mounting rack as per switch size			
				Note : Supply of all Passive & Active component for Networking shall be in Client scope. Installation in BMS Vendor scope			
5.1				24 Port layer 1 switch	1	Lot	
5.2				16 Port layer 1 switch			
5.3				8 Port layer 1 switch			
5.4				Same as above mentioned specs but for outdoor use			
5.5				24 Port layer 1 switch			
5.6				16 Port layer 1 switch			
5.7				8 Port layer 1 switch			
6				EQUIPMENT RACKS			
				Any other accessories required to complete the system configuration as per vendor specific requirements i.e. Power supplies,fiber converters, LIUs, Specific System cables etc. to complete the installation. Contractor to mention the quantity of the below items with cost. Apart from the below item if any other accessories are required , contractor to add the same below , if there are no further accessories required or mentioned below or quoted by bidder which is required to complete the system that shall be supplied free of cost to site with out cost escalation			
				Note : Supply of all Passive & Active component for Networking shall be in Client scope. Installation in BMS Vendor scope			
6.1				Patch Panels 24	1	Lot	
6.2				Patch Panels 48			
6.3				2mtrs Cat6 Patch Cords			
6.4				LIU 6			
6.5				Pigtail cables			
6.6				1mtr LC to LC Multi-Mode Patch Cords			
6.7				Labels			
6.8				RJ 45 IO Box			
7				HARD WIRING			
				Control Cabling			
7.1				Supply and Installation of 2 Core, 1.0 Sqmm, FRLS Armoured, Sheilded cable	45000	mtrs	
7.2				Supply and Installation of 4 Core, 1.0 Sqmm, FRLS Armoured, Sheilded cable	7000	mtrs	
7.3				Supply and Installtion of CAT 6 armoured cable	10000	Mtrs	
7.4				Supply and Installtion of Fibre Optic cable fro connectivity between the Network Switches(Single Mode fibre optic cable)	500	mtrs	
8				Cable Trays			
				Supply & installation of Hot Dip Galvanised perforated cable trays with necessary frame etc. for power cables as specified and shown in the drawings.			
8.1				300mm wide horizontal / vertical tier. (HOT dip Galvanised Perforated Cable Tray with 1.6 MM thickness)	1000	rm	
8.2				150mm wide horizontal / vertical tier. (HOT dip Galvanised Perforated Cable Tray with 1.6 MM thickness)	1000	rm	
8.3				100mm wide horizontal / vertical tier.(HOT dip Galvanised Perforated Cable Tray with 1.6 MM thickness)	1000	rm	
9				BMS Machines			
9.1				BMS Server as specified below			
				Windows server 2019 OS and suitable to OEMcongfiguartion Server garde machine for BMS & EMS	1	No	
9.2				BMS Workstation as specified below (For BMS & EMS)	1	Each	
				BMS Client Station intel Core i9 processor or greater, min 8 GB DDR4-2666 SDRAM (1 x 8 GB), Dual SODIMM slot, RAM, with DVD drive, dual monitor output -VGA+HDMI card, 1GB NVidia graphics card, 500GB SSD , network interface 100/1000 MBNIC, scroll mouse, Keyboard & The operating system shall support the latest software , 6 USB ports , serial & parallel ports as per requirement, 35" LED Monitor dual output type with HD resolution			
10				BMS SOFTWARE			

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
10.1				Graphical User Interface (GUI) software. The system should be accessible from anywhere on LAN or WAN or Ethernet without additional licenses. The Communication protocol shall be one of the Industry Standard Open Protocols such as BACNet, LON etc. Designed as per IO Summary with 15% buffer points with Minimum 3 concurrent Client Licenses, can inetgrate Fire Alarm panel Monitoring controlling directly from graphical user interface , can integrate Access Control System and IP Video System in the same platform and able to achieve inetgrated logics in between sub systems.	1	No	
				EMS Software Patch (Subscription Based 1 Yr Charges)	1	No	
10.2				Network Laser Printer (A4 size) Blck & White as per Specification.	1	Each	
Non SSR Set 1							
1	LAMINATED WOODEN FLOORING-AC4			Providing,fitting and fixing Laminated abrasion resistant wooden flooring of thickness not less than 8.2mm laid on existing concrete floor with underlayer of approved transparent polythene and foam sheet to make the floor surface even and sound free complete as directed by Engineer-in-Charge. MAKE : Ego, Welspun, Egger.	69	Sqm	
3	HANDTUFETD ROLL CARPET			Providing,fitting and fixing HANDTUFETD ROLL CARPET OF 8000GSM / 100% VISCOSE laid on base ceramic tiles floor as per Instructions & Complete in all aspects including all materials labour,finishing etc complete as directed by Engineer-in-Charge. MAKE : Indian carpet, Hands Carpet, Gaalicha	1319	sqm	
4	CARPET RUG			Providing & placing approoved Area Carpet Rug of 500knots/sqm, 6000Gsm, size of the rug as per room size approximaately 1200x 600MM or 2500MM Dia, Colour and Design as per approval, Machine Woven,Viscose 100%, Pile lenght 10mm, laid on Existing floor as per Instructions as directed by Engineer-in-Charge. MAKE : Indian carpet,Hands Carpet ,Gaalicha	34	sqm	
5	FALSE FLOORING WITH 600 X 600 FALSE FLOOR TILES (ANTISTATIC LAMINATE)			FALSE FLOORING including required steps in each room. MAKE :Unitile, Unifloor, Tankaria			
				600 X 600 FALSE FLOOR TILES (ANTISTATIC LAMINATE)	236	sqm	
				Providing, making & installing False Floor system as per architectural drawings & instruction. The system should be of nominal 600mm x 600mm Antistatic Laminate with heavy-duty pedestals. The total system weight shall not exceed 40 kg/sq.m. The system shall be able to withstand a UDL of 2000 kg/m2 (1117Kg/Sq.mt) and a point load of 450 kg/in2			
				Pedestal Assembly : Pedestal base shall be square of 100mm x 100mm x 2mm bearing area and assemble to a tube of 22mm dia with 2mm wall thickness. The pedestal head should not be less than 3mm thick. The pedestals should be able to accept an axial load of 22,500N and an ultimate load not less than 45,000N. Pedestal head shall be galvanized die-cut steel welded to a counter locking leveling nut. The pedestal head shall be provided with PVC cap for acoustic dampening. Height of pedestal shall be approximate 300 mm for floor /150mm for steps.			
				Pedestal Heads : Consist of solid steel stud roll formed and press fitted into head. Pedestal heads shall incorporate tabs, which accurately align the head with the panel. The stud shall provide an anti rotation feature and vibration proof locking device when engaged with the pedestal base assembly.			
				Pedestal Bases : Fabricated of a square base with not less than 100 cm sq. assembled to a stud or tube, which is designed to engage the pedestal assembly, secured to sub floor with adhesive or with screws. The tube shall be 2.22 Sq. Cm.			
				Floor Panel : Providing and fixing Access Floor panel of 600x600x32 mm mediumgrade Filled Steel anti static high pressure Lamination of 800H grade (FS800H). Access Floor panel shall be steel welded construction with an enclosed bottom pan with uniform pattern of 64 hemispherical cones. The top and bottom plates of Steel Gauges: top 0.6 mm and bottom 0.7 mm fused spot welded together (minimum 64 welds in each dome and 20 welds along each flange). The panel should be Corroresist epoxy coated for lifetime rust protection and cavity formed by the top and bottom plate is filled with Pyrogrip noncombustible Portland cementitious core mixed with lightweight foaming compound.			
				The access floor shall be factory finished with Anti-static High Pressure laminate with Non Warp technology upto 1mm thickness for superior adhesion and Surface flatness within 0.75mm.The panel is to withstand a Concentrated Load of 363 kgs applied on area 25mm x 25mm without collapse in the centre of the panel which is placed on four steel blocks. The panel will withstand and Uniformly Distributed Load (UDL) minimum 1250 kg/sqm and an impact load of 50kg all complete as per the approved manufacturers specification and as per the direction of PM. All specification must be printed on the side of the panel to ensure the quality of the product.			
				System performance: The panels shall be capable of supporting a minimum concentrated load of 363 kgs. placed on one square inch area at any location with maximum top surface permanent deflection not to exceed 2.4mm after load is removed. The panels shall be capable of supporting a minimum uniform load of 1496 kgs. Per sqm. with maximum bottom surface permanent deflection not to exceed 2.4mm after load is removed. The safety load of the floor system shall provide a loading capacity of 953 kgs. On a one square inch area at any location without failure. Failure is defined as the point at which the system will no longer accept the load. etc. all complete as per recommendation of the approved manufacturer and to the entire satisfaction of Engineer-in-Charge.			
6	Step for False Flooring			300mm wide Step made of 19mm thick Bison board finished with 1.5mm thick approved Laminate fixed on 40 x 40mm MS square pipe including aluminium edge guard as detail in drawing.	40	sqm	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
7	100mm HIGH WOODEN SKIRTING			Providing and fixing in position 1st quality matching Wooden Skirting of 100 mm x 15 mm size including 3 coats of melamine polish of approved shade. All complete as per detail drawing, as specified and as directed by Engineer-in-charge. MAKE : Ego, Welspun, Egger.	2048	Rmt	
8	50mm high Prefabricated Aluminium skirting			Providing and fixing 50mm extruded matt anodised in approved colour, finish Prefabricated Aluminium skirting,1.4mm thk,aluminum alloy to be(ISFIE63400)WP,by means of approved screw and neccesary caping with matching aluminum cover plate as specified and as directed by Engineer-in-charge. MAKE : Ego, Welspun, Egger.	349	Rmt	
9	Wash Basin counter with 800mm wide x 2400mm Long x 15 mm thick Vitrified Full body Tile			Providing and fixing Wash Basin counter with 800mm wide x 2400mm Long x 15 mm thick Vitrified Full body Tile Slab with 200mm high facia , including making cutout for drain pipe & CP fittings, Wash hand basin .Vitrirfied Slab sticked to 19mm thick Marine ply with adhesive. M.S Angle of 75 x 75 x 4mm of approved size to be fixed on wall with bolts and fastners at 750mm c/c .Exposed edge to be 35mm high moulding with chamfer edges .All as per detail drawings & recommendation of the approved manufacturer and as directed by Engineer-in-Charge. Make : Lioli ceramic, Jhonson, Khushi Interior	214	Rmt	
10	Aluminium nosing			Providing and fixing Powder coated Aluminium nosing for step of approved make as detailed in	447	Rmt	
11	SS floor trims"			Providing and fixing transition profiles "SS floor trims" at junction of various types of floor ,should be of 304 grade & 1.2mm thickness, PVD coating or electrofied coating & type as mentioned in detail drawings (joint of carpet with hard floor, joint of carpet with wooden floor, joint of hard floor with wooden floor etc) wherever necessary as directed by Engineer-site -in-charge. Make : Bottomline,Profile	89	Rmt	
12	Glass window			Providing and fixing Glass window made of 6mm thick clear toughened glass fixed with Teak wood frame of 100 x 60mm thick finished with approved veneer as detailed in drawings Make: Saint Gobain /Asahi	67	Sqm	
13	SS railing with 10mm thick clear toughened glass			Providing, fixing, fabricating railing @1050mm high above finish floor level, in profile made out of Stainless steel (grade 316) uprights (end and intermidiate) at about 950mm c/c. and @ 65 mm dia S.S. pipe matt finish as hand rail including 10mm thick clear toughened glass, S.S. rossette cover fixed with S.S. pins, dowels, clamps, rubber, screws, gaskets etc. including required jointing and sealing with approved quality silicon sealant etc. all complete as per detail drawing & specification. Work includes preparing shop drawings to scale with joinery and fixing details and further includes providing samples and preparing full scale mockup samples for approval. etc. all complete as per recommendation of the approved manufacturer and as directed by of Engineer-in-Charge. MAKE :Karkas, Vetroline (olive)/Ozone	944	Rmt	
14	2 hrs fire retardant paint			Providing & applying 2 hrs fire retardant paint of approved make, color, & shade on walls & ceiling including preparation of surface, cleaning, applying primer & putty as specified by approved manufacturer, applying two coats of final paint as directed, protecting, completed/ongoing works, required independent double legged scaffolding etc. all complete at all heights & leads as directed by of Engineer-in-Charge. MAKE : Asian paint, Nippon ,Berger	6033	Sqm	
15	ALUMINUM BAFFLE CEILING			Providing and fixing suspended Aluminium baffle false ceiling made out of 50x100x1mm aluminium section fixed with 30x30mm aluminium horizontal member as detailed in drawing, Rafter to be finished with 1mm thick wooden grain. The rate shall be inclusive of small moulding, cutouts for lights and AC grills and also TW framing, if any for AC grills, all wooden members of the ceiling shall be treated with antitermite treatment. The ceiling shall be in perfect level and smooth in finish and as per design and drawings etc, complete at all leads and lifts as directed by Engineer-in-Charge. MAKE : Armstrong, Hunter douglas, Knauff Danoline	573	Sqm	
16	STRETCH FABRIC CEILING (BARRISOL FABRIC CEILING)			Providing and fixing strech fabric ceiling (Barrisol Fabric ceiling) PVC membrane of 18 microns thickness is installed using aluminium section profiles in which a HF welded harpoon gets clipped. The standard width of the membrane is 3000mm without any weld lines or seams. The membrane is 100% recyclable and free of heavy metals in accordance with a fire retardant material as directed by Engineer-in-Charge. MAKE : Enzo,Barisol, Sattler pro- tex	17	Sqm	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
17	Suspended Demountable acoustic ceiling-300 x 1200 x12.5mm flush grid system			Providing and fixing suspended Demountable acoustic ceiling in visible, but flush grid system 300 x 1200 x12.5mm flush grid system with high grade, glass fibre reinforced, acoustic, white painted, gypsum tile with acoustic perforation as Globe / Quadro / Tanget / Micro-c/c 8.33mm . etc. all complete as per recommendation of the approved manufacturer and as directed by Engineer-in-Charge. Material: Perforated plasterboard Board type: Ceiling tile Length x width x thickness: 300 X 1200 X 12.5mm Edge: E+, recessed grid system (8mm recess) Perforation: Globe/ Micro/ Quadro/ Tangent Perforation percent: 17.2% Surface: Water-based acrylic paint Colour: White NCS 0701 Y24R, RAL 9003; gloss 5 Attachment: 15 or 24 mm T-grid system Edge section: 20x24 mm angled profile, 15+15 x 8+25 mm cornice moulding INSTALLATION Suspension: Recessed grid system • Distance between hangers ≤ 1200mm • Distance from wall to first hanger in direction of load ≤ 400mm • Distance between load bearing sections • Distance from wall to first load - bearing section • Sub-division executed with cross - sections length 1200 and 600 mm • Screw spacing for attachment of edge sections length 1200 and 600 mm • Light sockets of upto 3.0 kg can be integrated directly into the ceiling tiles. In the case of heavier fittings, load must be taken up directly by the concrete deck or via the grid systemand extra hangers. PROPERTIES	1064	Sqm	
19	CEMENT FIBRE BOARD CEILING			Providing and fixing concealed grid Ceiling with 9mm Heavy Duty Board, which includes G.I perimeter channels of size 0.55mm thick(having one flange of 20mm and another flange of 30mm and web of 27mm) along the perimeter of the ceiling, screws fixed to the brick wall/partition with the help of nylon sleeves and screws or PVC dash fasteners at 600mm c/c. Then suspending intermediate channels of size 45mm (0.9mm thick with two flanges of 15mm each) from the soffit at 900mm c/c with intermediate channel fixed to soffit with G.I. cleat and steel expansion fasteners. Then Ceiling section of 0.55mm thickness having knurled web of 51.5mm and two flanges of 26mm each with lips of 10.55mm are then fixed to the intermediate channel with the help of SDS 12-14*35mm screws and in direction perpendicular to the intermediate channel at 407mm c/c. Single layer of 9mm of Heavy Duty Board Type A Category IV (Density >1450Kg/m3, MOR - 24MPa, Thermal Conductivity @50degree 0.0862 W/mk, Fire Tested for Reaction to fire as A2-s1-d0 as per EN13501:Part 1 and as per BS 476 Part 4,5,6 & 7) is fixed to the ceiling section with 25mm self drilling, self tapping countersunk fiber cement screws at 300mm c/c with the gap of 2 to 3 mm between two adjoining Heavy Duty board. Finally the V groove of the board are sealed with clear exterior grade sealant.. All the operation shall be completed in all respect as per drawings, Manufacturers specifications and under the overall direction of Engineer-in-Charge MAKE : Everest, Hicem, Bison	3143	Sqm	
20	Texture paint			Providing & applying Texture Paint of following types of Decorative paint / Texture paint of approved make for internal gypsum / POP surface to be applied as per manufacturer's instructions & methodology as directed by Engineer -in-charge including preparing the surface, p/a one coat of water base PVA primer (copolymer based alkali resistant primer with fungicide) and two coat of water base acrylic putty, sanding, light sanding, scaffolding, work platform, painting equipment / apparatus etc. required to complete interior grade finish with 3 coats of approved shade colour etc. all complete as per recommendation of the approved manufacturer and as directed by Engineer -in-charge. MAKE : Asian paint, Oikos, Armocoat	166	Sqm	
21	Full height Gypsum Dry Partition System as per Standard Double Skin 100mm Thick GI Framework			Full height Gypsum Dry Partition System as per Standard Double Skin 100mm Thick GI Framework	2279	Sqm	
				FRAMEWORK Providing and fixing GI frame which includes 48mm studs (0.55mm thick having one flange of 34mm and another flange of 36mm made of GI Steel) placed at 610mm centre to centre vertically, in 50mm thick floor and ceiling channel (o.55mm thick having equal flanges of 32mm made of GI Steel). Rate shall be inclusive of 48mm studs horizontal @ skirting level,1200mm and 2400mm level floor level reinforced with seasoned salwood. The GI framework to be continued right upto the True ceiling (Upto the slab height). SKIN : Providing and fixing DOUBLE SKIN of Gypsum Board, which includes tapered edge 12mm thick Gypboard 2 nos on outer side and 1 NO for inner side 12mm thick Gypsumboard (conforming to IS 2095 1982 and 2542 1981) screw fixed with 25mm dry wall screw at 300mm corc to Both sides of existing framework studs. With all the Joints in the partitions covered with PVC extrusions to provide better sound Proofing. Necessary cutouts shall be provided for taking services/electrical system if any. Mode of measurement shall be running length of the partion into height. etc. all complete as per recommendation of the approved manufacturer and as directed by Engineer-in-Charge. MAKE : Saint gobin, UCG Boral, Bil	ORA		
22	Full height Glass Partition System as per Standard Double Glazing 100mm Thick Aluminium Framework			Full height Glass Partition System as per Standard Double Glazing 100mm Thick Aluminium Framework	484	Sqm	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
				Supply and Installation of Double Glazed Partition Systems, which includes 105mm wide x 45mm high proprietary sections of extruded aluminium matt natural anodized finished all round the glass. Glass Panels comprising of hermetically-sealed (10mm + air gap +12mm) clear thck toughened glass having polished edges of approved make. Partition height to be 2400mm from FFL. The linear joints between the glazed panels to be provided with aluminium profiles sealed with high bonding double-side adhesive tapes from VHB 3M or BOW make. The partition to includes all types of connectors, profiles and accesories as per requirement of drgs. The partition to offer sound insulation Min 40 dB. All complete as per approval of as directed by Engineer -in-charge.All measurements to be confirmed at site before execution Shop Drawigns to be provided for approvals before executing the work.etc. all complete as per recommendation of the approved manufacturer and as directed by Engineer -in-charge. Glass Approved Make : Jeb, Bene, Dorma	0		
23	Acoustic fabric Paneling			Providing and fixing Soft Board panel of specified sizes having 25 mm thick soft board covered with 3mm foam and felt fabric of approved make and shade of premium quality. The board shall have teakwood / cedar / beech / matching wooden beading, lipping al l- round. The board shall be fixed on prepared surface with necessary hardware fittings etc. complete. All concealed wood works shall have sealer polish as directed. Rate quoted shall be for the complete finished work including all the materials and labour mentioned above. All complete as per detail drawing, etc. all complete as per recommendation as directed by Engineer -in-Charge. MAKE : Armstrong, Akustik + Engl	954	Sqm	
24	PERFORATED ACOUSTIC WALL PANELING			Providing and Fixing Channelled perforated panels of width 192mm, thickness of 15mm and length 2400 mm, made of a Moisture resistant fibre board substrate with a laminated facing as per the approved shade (Portland Maple, Sea Beech, Siam Wood & Mystique Walnut, Interior White, Alumina Pearl) and a melamine balancing layer on the reverse side. The boards shall have a special perforation pattern where the reverse surface has a “Helmholtz” fluted perforation with consecutive 3mm wide groove followed by 13mm or 21mm of visible pane (G-13/ G-21). The edges of the panel shall be “tongue-and-grooved” to fix special clips for installation and seamless visual. The back of the perforated panel shall have sound absorbing non-woven Soundtex acoustical fleece hot pressed to achieve NRC of 0.5. for G-21 and 0.6 for G-13. (Average value of Absorption Co-efficient readings taken at 250 Hz, 500 Hz, 1000 Hz and 2000 Hz) as per ASTM C423 and Humidity Resistance (RH) of 70% with camber limit less than 1mm/1000mm and bow less than 1mm/300mm.The panels shall be mounted on special aluminium splines (keel) using inside clips provided by Manufacturer and approved by the Architect/ Engineer-in-Charge. This include Black colour sound abrsortion Fabric as backing . etc. all complete as per recommendation of the approved manufacturer and as directed by Engineer-in-Charge. MAKE :Armstrong, Knauff danoline,	10	Sqm	
25	4MM THK. COMPOSIT FIBER SHEET (CHARCOAL SHEET)			Providing and fixing Prefabricated 4mm thick Composite Fiber sheet (Charcoal sheet) to be fixed on 12mm commercial Ply surface,as directed by Engineer-in-Charge MAKE:Bonanza infra interior, Aakruti interio, Khushi interior	744	sqm	
26	VINYL GRAPHICS			Providing & fixing vinyl Clear printed graphic film fixed using film adhesive. Vendor shall include wastage while quoting. Vendor shall provide 3 year warranty as per manufacturer's guidelines etc. all complete as instructed & as directed by Engineer-in-Charge MAKE : Bonanza infra interior, Aakruti interio, Khushi interior	1	sqm	
27	Wooden Batten			Providing fixing country teak wood battens 50 mm x 25 mm On wall paneling with all iron work scaffolding and melamine polish to be done on the battens etc. complete,as directed by Engineer-in-Charge	55	sqm	
28	MIRROR PANELING			Providing and fixing 6 mm thick Machine Cut Mirror of approved make (Mirror shall be free from and cracks, damamges. and patches) with 50mm x 20 mm - 2mm thk Stainless steel brush finish border frame all around fixed with to 19mm thk marine ply base with Silicone .The ply is screwed to the plastered wall . Work to include necessary electrical wiring for light fixtures all as per detail drawings etc. all complete as directed by Engineer-in-Charge MAKE : Saint gobin, Form 5 , A/S	1	Sqm	
29	Tinted Mirror with Fabric paneling			Providing and fixing 6mm Tinted mirror with Fabric paneling to be fixed on 12mm thk ply paneling etc. all complete as per recommendation of the approved manufacturer and to the entire satisfaction of Engineer-in-Charge. Make : SGG / Form5/ Saint gobain	2	Sqm	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
				Providing and fixing of 5mm tinted mirror finish lacquered glass Mira gold / rose gold / grey manufactured industrially by curtain coating process with PU lacquer (50 micron thick), opaque (if viewed against a support wall) conforming to EN 16477 standards for back painted glass , of approved color by Architect/ Client fixed with compatible Glassmate Ultrafix - Neutral Alkoxy based Silicone having Shear Bond Strength (Dry, 24 hours), greater than 450 kpa and tack free time of 10 to 30 mins compatible for installation of mirror and lacquered glass / SGG Glassmate Mirror mounting tape MIRROR MOUNTING TAPE - Foam based double sided adhesive tape for instantaneous adhesion, compatible with mirror and lacquered glass having Shear bond strength (Dry, 15 mins) of 250 to 350 kpa) on a perfectly leveled 12mm thick water proof marine plywood / MDF / Mineral fibre board which is mounted on the RCC wall/any other structure.The contractor should submit test reports for the glass from manufacturer - High humidity Resistance (conforms to BS EN 1036 1999); Color fastness ISO 105B02 standard & Mechanical Resistance ISO 7784 (Taber Abrasion test) ISO 2409 (Cross Hatch Test) standard The manufactured backpainted glass should be environmentally friendly (no lead, no arsenic, no copper, noformaldehyde); appropriate recycled content (12% post industrial / 6% post consumer); compressive strenght (1000 MPa) & tensile strenght (40 MPa),same as float glass			
30	Book Shelve at chamber room			Providing and fixing Book Shelve to be made of 18mm ply finished with 4mm veneer ,to be finished with melamine polish,as directed by Engineer - in - charge.	60	Sqm	
31	Full height Storage			Full height Storage to be made of 18mm ply finished with 4mm veneer ,to be finished with melamine polish,as directed by Engineer - in - charge.	44	Sqm	
32	Full height Storage			Full height Storage to be made of 18mm ply finished with finished 1mm thick Laminate ,to be finished with melamine polish,as directed by Engineer - in - charge. (Shutter dim. 450mm x 2400mm)	246	Sqm	
33	Blinds			"Supply and Installation of Roller Blinds with head channel, traversing cord, and warranty etc as per manufacturer's specifications. Fabric to be as per approved sample. Fabric to be GREENGUARD Mold and Bacteria Standard ASTM 6329 includes Microban Consider Basic rate of Fabric as 400/Rmt" Composition : 22% Polyster, 78% PVC Openness Factor : 3% Thickness : 0.55 +_5% (mm) (ISO 2286-3) Mess Weight (g/m2) : 480 +_5% (ISO 2286-2) yarn Diameter (inch) : 0.013 X 0.013 Mesh (Inch) : 48 X 48 FIRE CLASSIFICATION - (NFPA 701) SMALL SCALE TESTING I S O – 5659-2 BREAKING RESISTANCE (WARP 152.6 daN+- 5%) (WEFT 141.2 daN +- 5%) (ISO-5081) ENVIRONMENT : (FREE OF HARMFUL SUBSTANCE) WIDTH : 1.5M , 2.5 M, 3 MTR U V – RESISTANCE:APPROXIMATE 95% Fabric Color, Shade and Pattern as approved etc. all complete as per recommendation of the approved manufacturer and as directed by engineer -in-charge. MAKE : Hunter douglas, Vista, Vipul	2880	Sqm	
34	FROASTED FLIM ON GLASS PARTITION			Providing and fixing 2mm Frosted film on glass partition. etc. all complete as directed by Engineer - in - charge. MAKE : 3M, Avery dennison, Grware	643	Sqm	
35	BACKPAINTED GLASS			Providing and fixing 6mm backpainted glass. etc. all complete as directed by Engineer - in - charge. MAKE : Saint gobin, Form 5 , A/S	129	Sqm	
36	MDF Louvered			Providing & fixing MDF Louvered pattern of approved design & shape with 50 mm x 50 mm x 12 gauge thick Aluminium pipe framework at 450 mm c/c as per drawing both ways well notched & screwed , 12 mm ply thick commercial ply backing to receive 3 mm thick MDF panel . Code: Glodecor White Brick. Size of panel : 8' x 4' Properties : 1. Thicknes tolerance : 3(+/-0.2) 2. Density : 750-800 kg/m3 3. Modulus of rupture : 25 N/mm2 4. Modulus of elasticity : 2700 N/mm2 5. Thickness swelling (24 hrs) : 30% 6. Water absorption (24 hrs) : 50% 7. Dimensional stability (rh 35-85%) - Length / Width : 0.5% - Thickness : 6% The rate inclusive of cost of all materials, miscellaneous consumables, labours, transportation of material to all required locations by approved means , tools, plant and machinery, hire and fuel charges and all other incidental charges etc., all required as per specifications, drawings and as directed by Engineer-in-Charge. The item rates shall hold good for work at all Levels ,lead, lifts, Heights, Depths etc. Mode of Measurement- Actual finished area measured in vertical plane/ elevation etc. all complete as per recommendation of the approved manufacturer and as directed by Engineer - in - charge. MAKE: Bonanza infra interior solution, Aakruti interior, Kushi interior	437	Sqm	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
37	Internal Glazing			Providing, constructing and fixing in place glass partitions to be constucted as 12mm thick toughned glass of Modi/St. Gobian or equivalent float glass to be fixed by means of Stainless Steel 'U' channel in the floor or wooden skirting and top of the glass to go upto the ceiling and fixed by means of wooden rail above the ceiling.Wooden skirting to have all necessary chamfering, grooves, wooden beading pattis as indicated in drawing or as per instructions of architect. To be finished with veneer & PU polished. Joints in glass may be as per drawing or as per instructions of architect. Cost also to include providing grooves and provision of brushed finished S.S. 'U' channel wherever required as per architect's instructions..	102	Sqm	
38	Glass Door			10mm thick clear toughned Glass Doors with approved SS floor springs, locking arrangements, SS handles etc. all complete as per recommendation of the approved manufacturer and to the entire satisfaction of Engineer-in-Charge.	0		
				GD8- 2000 x 2400mm, Double leaf door (Location : GR.FL. Service lift , Chamber entrance)	48	Sqm	
				GD6 - 1500 x 2400mm, Double leaf door (Location : Office, Prefunction & Lift lobby entrance)	252	Sqm	
				GD4- 1200 x 2400mm, Double leaf door (Location : Library, Gym / Yoga, Ex Dining & Recreation zone)	6	Sqm	
				GD5 - 1200 x 2400mm, Single leaf door (Location : Laboratory waiting)	6	Sqm	
				GD1- 900 x 2400mm, Single leaf door	0	Sqm	
				GD3 - 1050 x 2400mm, Single leaf door (Location : Cabin Type-2, Conference room, CFC Incharge cabin, Lift Lobby, VIP Lounge & Office,War room,office,AMC room)	167	Sqm	
				GD2 - 900 x 2400mm, Single leaf door (Location : Ante room)	26	Sqm	
				Do- as per Item No. 6.20 but 10mm thick clear toughened glass two way swing door as detailed in drawing.	0	Sqm	
				GD7 - 1500 x 2400mm, Double leaf door (Location : 5th floor Chamber room)	15	Sqm	
39	INTERNAL GLAZING			Providing, constructing and fixing in place glass partitions to be constucted as 12mm thick toughned glass of Modi/St. Gobian or equivalent float glass to be fixed by means of Stainless Steel 'U' channel in the floor or wooden skirting and top of the glass to go upto the ceiling and fixed by means of wooden rail above the ceiling.Wooden skirting to have all necessary chamfering, grooves, wooden beading pattis as indicated in drawing or as per instructions of architect. To be finished with veneer & PU polished. Joints in glass may be as per drawing or as per instructions of architect. Cost also to include providing grooves and provision of brushed finished S.S. 'U' channel wherever required as per architect's instructions. (Location : Internal Glazing)	102	Sqm	
40	GLASS DOOR			10mm thick clear toughned Glass Doors with approved SS floor springs, locking arrangements, SS handles etc. all complete as per recommendation of the approved manufacturer and to the entire satisfaction of Engineer-in-Charge.			
				GD8- 2000 x 2400mm, Double leaf door (Location : GR.FL. Service lift , Chamber entrance)	48	Sqm	
				GD6 - 1500 x 2400mm, Double leaf door (Location : Office, Prefunction & Lift lobby entrance)	252	Sqm	
				GD4- 1200 x 2400mm, Double leaf door (Location : Library, Gym / Yoga, Ex Dining & Recreation zone)	6	Sqm	
				GD5 - 1200 x 2400mm, Single leaf door (Location : Laboratory waiting)	6	Sqm	
				GD1- 900 x 2400mm, Single leaf door	0	Sqm	
				GD3 - 1050 x 2400mm, Single leaf door (Location : Cabin Type-2, Conference room, CFC Incharge cabin, Lift Lobby, VIP Lounge & Office,War room,office,AMC room)	167	Sqm	
				GD2 - 900 x 2400mm, Single leaf door (Location : Ante room)	26	Sqm	
				Do- as per Item No. 6.20 but 10mm thick clear toughened glass two way swing door as detailed in drawing.	0	Sqm	
				GD7 - 1500 x 2400mm, Double leaf door (Location : 5th floor Chamber room)	15	Sqm	
Non SSR Set 2							
1	EXOTIC BRAZILIAN GRANITE			Providing and laying 19mm thick machine cut, mirror polished approved Stone flooring in pattern and size as detailed in drawing or as directed by the EIC. Stone to be bedded in cement sand mortar mix ratio 1:6 (1 cement : 6 sand) overall about 25mm thick including cleaning and preparing the surface for bedding, spreading neat cement slurry by using minimum cement about 2 kg/sqm prior to bedding and spreading cement paste using minimum cement about 4.5 kg/sqm over bedding, joints to be cleaned and grouted with matching colour approved quality polymer based readymade compatible grout, curing, cleaning, etc. to required line, level, etc. mirror polishing all complete at all heights and leads to the satisfaction of the EIC. MAKE :CMC,Siddhivinayk,Shree ram granite	36	Sqm	
2	GREY PARADISE GRANITE			Providing and laying 19mm thick machine cut, mirror polished approved Stone flooring in pattern and size as detailed in drawing or as directed by the EIC. Stone to be bedded in cement sand mortar mix ratio 1:6 (1 cement : 6 sand) overall about 25mm thick including cleaning and preparing the surface for bedding, spreading neat cement slurry by using minimum cement about 2 kg/sqm prior to bedding and spreading cement paste using minimum cement about 4.5 kg/sqm over bedding, joints to be cleaned and grouted with matching colour approved quality polymer based readymade compatible grout, curing, cleaning, etc. to required line, level, etc. mirror polishing all complete at all heights and leads to the satisfaction of the EIC. MAKE : CMC,Siddhivinayk,Shree ram granite	1285	Sqm	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
3	INDIAN GRANITE			Providing and laying 19mm thick machine cut, mirror polished approved Stone flooring in pattern and size as detailed in drawing or as directed by the EIC. Stone to be bedded in cement sand mortar mix ratio 1:6 (1 cement : 6 sand) overall about 25mm thick including cleaning and preparing the surface for bedding, spreading neat cement slurry by using minimum cement about 2 kg/sqm prior to bedding and spreading cement paste using minimum cement about 4.5 kg/sqm over bedding, joints to be cleaned and grouted with matching colour approved quality polymer based readymade compatible grout, curing, cleaning, etc. to required line, level, etc. mirror polishing all complete at all heights and leads to the satisfaction of the EIC. . MAKE : Siddhivinayk,Shree ram granite,RK marble	3165	sqm	
4	GREGIO ARMANI MARBLE			Providing and laying 19mm thick machine cut, mirror polished approved Stone flooring in pattern and size as detailed in drawing or as directed by the EIC. Stone to be bedded in cement sand mortar mix ratio 1:6 (1 cement : 6 sand) overall about 25mm thick including cleaning and preparing the surface for bedding, spreading neat cement slurry by using minimum cement about 2 kg/sqm prior to bedding and spreading cement paste using minimum cement about 4.5 kg/sqm over bedding, joints to be cleaned and grouted with matching colour approved quality polymer based readymade compatible grout, curing, cleaning, etc. to required line, level, etc. mirror polishing all complete at all heights and leads to the satisfaction of the EIC. MAKE : CMC,stonex marble,RK Marble	4555	sqm	
5	VINYL FLOORING			Providing and fixing Polyvinyl Chloride (PVC) flooring in sheets or tiles as approved in shade and colour of manufacturer . Confirming to IS, PVC floor fixed over 600mm x 600mm Gujarat tiles (Tiles to be paid separately) with adhesive as supported by the tile manufacturer. Floor to be leveled, cleaned and fixed with adhesive. Joints shall be welded and flushed cut where specified etc. all complete as per recommendation of the approved manufacturer and to the entire satisfaction of EIC. MAKE :	10		
6	600 X 600 VITRIFIED TILE			600mm x 600mm Vitrifed tile flooring -Type-1 to be laid with the help of cement sand mortar mix ratio 1:4 (1 cement : 4 sand)	750	sqm	
7	601 X 600 ANTI SKID VITRIFIED TILE			600mm x 600mm Anti- Skid Vitrifed tile flooring -Type-1 to be laid with the help of cement sand mortar mix ratio 1:4 (1 cement : 4 sand)	1362	sqm	
8	1200 X 600 VITRIFIED SLAB			200mm x 600mm x 9mm Porcelian Vitrifed Slab flooring supplied from proprietary manufacturer like Lioli Ceramica Pvt Ltd. to be laid with the help of PU Based adhesive from Kerakoll or equivalent.	59	sqm	
9	2400 X 1200 GRANITE/MARBLE LOOK TILE			3200mm x 1600mm x 9mm Granite/Marble look tile flooring supplied from proprietary manufacturer like Lioli Ceramica Pvt Ltd. to be laid with the help of PU Based adhesive from Kerakoll or equivalent.	7038	sqm	
10	1200 X 200 PLANK TILE			1200mm x150mm Plank Tile flooring to be laid with the help of PU Based adhesive from Kerakoll or equivalent.	68	sqm	
11	600 X 600 GUJRAT TILE			600mm x 600mm Gujarat tiles to be laid with the help of cement sand mortar mix ratio 1:4 (1 cement : 4 sand)	1390	sqm	
12	MODIFOAM			Providing and laying Modifoam+Accessories filling to create Step in Mahasbha hall as per detailed in drawings.	0		
13	TRAP DOOR			600mm x 600mm trap door in false ceiling as per detailed in drawings. (Provisional quantity)	50	nos	
				1000mm x 800mm trap door in false ceiling as per detailed in drawings. (Provisional quantity)	50	nos	
14	VENEER			Providing and fixing 4 mm thick group matching Approved Decorative natural Veneer of approved quality and make, of required size and width as per site condition with 3 coat of melamine polish. Additional coat if required for finish to be provide free of cost the cost to include surface preparation pasting with approved adhesive and finishing it evenly to get flat surface. The cost of openings for switches, AC facia, any other cutout etc. shall be included in the rates quoted. All complete as per detail drawing, as specified and as directed by Architect / Consultant / Project - In - Charge. (Actual executed area will be measured)	2758	sqm	
15	WALLPAPER			Providing & fixing approved wall paper paneling over existing gyp/ply partition with necessary surface preparation for receiving the wall paper complete as per detail drawing, as specified and as directed by PM/EIC. (Installed wall paper shall be measured in length & height for payment)	1035	sqm	
16	INDOOR PLANTS			Providing indoor plants	53	nos	
17	PAINTING & ARTIFACTS			Providing painting & arifacts	37	nos	
18	SCULPTURE			Providing sculpture	2	nos	
19	SIGNAGES			Foundation, Structure Fabrication and SITC of Providing and fixing at location a signs M.S internal hollow tube structure using Cosign Make- Modular Aluminium extrusions	1244	nos	
20	Solid surface (Corian)			Providing & fixing 6mm corian of approved shade	20	sqmt	
21	FLEXIBLE PLYWOOD			Providing & fixing 6mm flexible plywood	36	nos	
22	AV SYSTEM			Providing & fixing av system.	1	nos	
EXTRA ITEM LIST							
1	MARBLE INLAY (Crystal white)			Providing and fixing decorative marble inlay work in flooring/wall surface, using 18 mm thick approved quality marble of specified colour, shade and pattern, accurately machine-cut to required shapes and sizes and inlaid into the approved marble base, including cutting/chiselling of grooves, fixing with approved adhesive/cement slurry, filling and finishing of joints, grinding, rubbing, curing and mirror polishing of the entire surface to obtain a smooth, level and uniform finish, complete as per approved drawings, designs, samples and directions of Engineer-in-Charge.	150	Sqm	
2	FLOTEX			Providing and fixing in position Flotex Flocked Flooring of approved make, 4.3mm thick, comprising densely packed nylon 6.6 fibers electrostatically flocked onto an impervious PVC backing, supplied in rolls, tiles, or planks, installed as per architectural and acoustical design intent. Flooring shall be 100% stain-resistant, hygienic, and capable of impact sound reduction up to 20 dB, laid over a levelled substrate with or without underlay as required, complete with adhesive application, edge finishing, and thorough cleaning, all to the satisfaction of the Engineer-in-Charge.	95	Sqm	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
3	BOOKMATCH MARBLE			Providing and fixing approved natural marble stone in book-matched pattern, of selected slabs with matching veining, colour and texture, minimum 18–20 mm thick, machine cut and polished on exposed surfaces and edges, including selection and sequencing of slabs to achieve a continuous mirror-image/bookmatch pattern, edge polishing, cutting, notching, necessary substrate preparation, approved adhesive/mortar, levelling, jointing with colour-matched epoxy grout/resin, filling and polishing of joints, and all necessary labour, materials, tools and accessories, complete as per approved shop drawing, sample and directions of the Engineer-in-Charge.	23	sqm	
4	EPOXY PAINT			Providing and applying two-component epoxy coating/paint of approved make and shade on prepared concrete/plastered/metal surfaces, including surface preparation, cleaning, removal of loose particles, application of suitable epoxy primer where required, filling of minor imperfections, and application of two coats of high-build epoxy coating to achieve a smooth, uniform and durable finish, including all necessary materials, labour, scaffolding/accessories and complete as per manufacturer's specifications and as directed by the Engineer-in-Charge	902	sqm	
5	STUCO PAINT				914	sqm	
6	SOLO PANEL CEILING			Providing & Fixing of Solopanel 1188 x 1998 mm high grade, glass fibre reinforced acoustic gypsum boards with CLEANEO Technology and acoustic perforation as Round Ø8mm c/c 18mm type G8/18 .The acoustic Solopanels are with FF edge and joined with Unifloat jointing compound for smooth finishing. The acoustic Solopanels are furnished with a grey (black) absorbent felt backing with an airflow resistance of 330-460 Ns/m³ (DIN 53887). Acoustic properties: G8/18: aw: 0.70; NRC: 0.65. Stratopanel is fixed on a GI section at every 300mm vertically & 900mm horizontally.Fire Class: A2-s1,d0 , Suspension: Solopanel is fixed on a level steel furring with max c/c 333mm. The short edges of the panel must be supported in its entire length by the furring system.Characteristics: The panels shall be: • Manufactured from high grade non-combustible glass fibre reinforced gypsum board produced according to EN 520. • Tested to meet the safety requirements of EN 14190. • Tested in accordance with EN 13501-1 to achieve minimum fire classification A2-s1,d0. • Resistant to 90% RH and short term exposure for higher humidity. • Non hazardous and fully recyclable. The entire work shall be done as per design, drawings and architects instruction.	370	sqm	
7	F PLANK - WOODEN FINISH			GUIDE SPECIFICATIONS FOR KNAUF "MW F-PLANK SYSTEM – 0.7 MM ALUMINIUM PLAIN, POST COAT TO WOOD GRAIN FINISH" Providing and Fixing horizontal level suspended metal ceilings comprising of Metalworks F-Plank system manufactured by Knauf Ceiling Solutions with Rectangular planks made of Aluminium (Grade AA 3xxx, H14 temper) in coated thickness of 0.7mm ± 0.08mm as per IS:2676 (1981), post coated to Wood Grain shade, suitable for architectural finishes and Interior applications, with concealed grid system and butt joint planks. The plank width shall be 100mm, length ranging from 600mm to 4000mm. The plank shall have plain unperforated finish with square edge and 20mm groove between panels along the long sides with suitable upturns. The plank shall be electrostatically powder coated using RoHS compliant pure polyester powder to achieve coating thickness ranging from 60-80 microns. The powder coating shall pass Salt Spray Test for 750 Hours as per ASTM B117, QUV –A Test for 1000hours as per ASTM G-154 – (Cycle – 1) and Humidity test for 1000hours as per DIN 50017. The powder coating shall have an adhesion of GT0 as per EN ISO 2409. The shade variation across batches shall be delta E<1 using Excite/BYK Gardner instrument and gloss level of 25±5% at 60˚ as per ASTM D523. The grids shall comprise standard carrier grid of 120gsm galvanised steel (GI) slotted profile of 3000mm L x 42mm H x 44mm W x 0.7mm T. Accessories shall include Carrier splice (GI), Carrier hanger (GI), Plank splice (SS), wall anchor (GI), extruded Alu RA4F wall angle (1.2mm T) in RAL shade, and pressure spring. Panels need to be screwed from bottom. General Specifications: Entire system to be designed in accordance with EN 13964 and TAIM e.V.	474	sqm	
8	ELEGANZA SEAMLESS				255	sqm	
9	Slim Plus Acento				417	sqm	
10	Stretch SAC				754	sqm	
11	SynthHD Nuanz				122	sqm	
12	Slats Spots MP1				27.74	sqm	
13	DOUBLE PET PANEL				744	sqm	
14	ACOUSTIC WALLAPER			ACOUSTIC WALLPAPER Providing and fixing acoustic vinyl wallcovering, dyed in mass, micro-perforated and digitally printed with water-based inks, an acoustic non-woven backing, having Alpha w = 0.25 and NRC = 0.25, suitable for intensive-use commercial and public areas. The wallcovering shall be highly washable and brushable, resistant to impact and scratches, and shall have M1 and Cs3-d0 fire performance rating as applicable. The wallcovering shall be installed by direct pasting over properly prepared wall surfaces using manufacturer's recommended adhesive, with butted seams, including surface preparation, adhesive, cutting, matching, corner treatment, joint finishing, wastage, labour, tools and all necessary accessories, complete in all respects as per approved manufacturer's sample, technical data sheet, drawings and directions of the Engineer-in-Charge.	65	SQM	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
15	PLY PARTITION BETWEEN FH. STORAGE (LAMINATE)			PLY PARTITION BETWEEN FH. STORAGE (LAMINATE) FRAMEWORK Providing and fixing GI frame which includes 48mm studs (0.55mm thick having one flange of 34mm and another flange of 36mm made of GI Steel) placed at 610mm centre to centre vertically, in 50mm thick floor and ceiling channel (o.55mm thick having equal flanges of 32mm made of GI Steel). Rate shall be inclusive of 48mm studs horizontal @ skirting level,1200mm and 2400mm level floor level reinforced with seasoned salwood. The GI framework to be continued right upto the True ceiling (Upto the slab height). SKIN : Providing and fixing DOUBLE SKIN of Gypsum Board, which includes tapered edge 12mm thick Gypboard 2 nos on outer side and 1 NO for inner side 12mm thick Gypsumboard (conforming to IS 2095 1982 and 2542 1981) screw fixed with 25mm dry wall screw at 300mm corc to Both sides of existing framework studs. With all the Joints in the partitions covered with PVC extrusions to provide better sound Proofing. Necessary cutouts shall be provided for taking services/electrical system if any. Mode of measurement shall be running length of the partion into height. Items also include Glass wool as per detailed in drawngs. INSULATION : 50mm thick glasswool insulation wrapped in RP tissue (Finishes received on ply paid seprately)	224	SQM	
16	PAINTINNG				42	NOS	
17	SCULPTURE FOR ENTRANCE - SWARAJ				2	NOS	
18	3D Relief Mural Artwork				2	NOS	
19	MAP ARTWORK				2	NOS	
20	National Emblem – Lion Capital of Ashoka / PMC LOGO				1	NOS	
21	ASHOKASTAMBA SCULPTURE				1	NOS	
22	FLUTE PANEL				129	SQM	
23	PMC BPOARD				1	NOS	
24	METAL INSERT			METAL INSERT Providing and fixing metal insert of SS 304 grade, 1.5 mm thick, 10–20 mm wide, with PVD coating in approved shade/finish (Gold / Champagne Gold / Rose Gold / Black / Hairline,Crome), recessed flush with adjoining finished surface, including necessary cutting, groove formation, adhesive fixing, alignment, jointing, edge finishing and all accessories, complete as per design, drawings and direction of Consultant.	0	SQM	
25	WOODEN MOLDIN			WOODEN MOLDING	200	RMT	
26	WDGE PATTI FOR CEILING			EDGE PATTI FOR CEILING	336	RMT	
27	SHADOW GROOVE PROFILE			SHADOW GROOVE PROFILE Providing and fixing proprietary aluminium shadow gap/shadow groove profile of 10/15mm with approved make, size and profile, suitable for gypsum board false ceiling, fabricated from extruded aluminium section with anodized/powder-coated finish, including cutting, mitred joints at corners, alignment, fixing with suitable screws/fasteners and integration with gypsum board, including all necessary accessories, joint treatment and finishing to provide a continuous uniform recessed shadow gap at the ceiling-to-wall junction, complete as per approved drawing, manufacturer's specifications and directions of the Engineer-in-Charge.	336	RMT	
28	DECORATIVE RUG			DECORATIVE RUG Providing & fixing premium decorative area rug, manufactured from high-quality solution-dyed nylon/polypropylene/wool-blend yarn with durable backing, suitable for heavy-duty commercial use, in approved custom design, pattern, colour and texture, including edge binding, anti-skid underlay, cutting, laying and finishing, complete as per approved sample, drawings and specifications.	12	NOS	
29	VANITY STORAGE 600 X 460 X 550				17	NOS	
30	PLY BRACING			Plywood Bracing for Decorative Light Fixtures: Supply, fabrication, and installation of heavy-duty plywood backing/bracing inside the ceiling plenum or wall cavity to support heavy decorative light fixtures, chandeliers, or pendant tracks, as per drawings and interior designer's specifications. Material & Framing Component: Use minimum 19mm thick Boiling Water Resistant (BWR) or Marine-grade plywood conforming to IS:303 / IS:710 (e.g., Century Sainik 710 / Greenply Club). Framework supported by seasoned hardwood runners (50x50mm) or galvanized iron (GI) sections anchored to concrete soffit. Fixing, Fasteners & Installation: Secure to concrete slab using heavy-duty dash fasteners / anchor bolts (min M8/M10 size). Fix plywood to framework using countersunk, rust-resistant (SS) wood screws at max 150mm centers with high-strength synthetic resin adhesive (Fevicol SH or equivalent). Testing & Coordination: Provision of precise cutout sleeves for electrical wiring conduits. System must be certified via structural alignment to safely hold a dead load of at least 2.5 times the weight of the specified decorative fixture (Minimum capacity: 50 kg).	470	SQM	
31	DECORATIVE ACRLYIC SHEET CEILING				1	SET	
32	CARROM				2	NOS	
33	CHESS BOARD				2	NOS	
34	MAHSABHA MAIN CHAIR				1	NOS	
34	DIAS				3	NOS	
HARDWARE							
				DOORS			
11.3.1				D7 - Single leaf, Structural opening size- 1000mm x 2400mm			
				Ironmongery / Hardware			
				a) Mortise lock with Euro profile Cylinder - 1 No.	1.00	No	
				b) Lever handle - 1 No.	1.00	No	
				c) Exposed cam Action Door Closer- 1 Nos.	1.00	No	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
11.3.2				Single leaf, Structural opening size- 900mm x 2400mm			
				Ironmongery / Hardware			
				a) Mortise lock with Euro profile Cylinder - 1 No.	1.00	No	
				b) Lever handle - 1 No.	1.00	No	
				c) Exposed cam Action Door Closer- 1 Nos.	1.00	No	
11.3.3				Single leaf, Structural opening size- 750mm x 2400mm (Location : W.C)			
				Ironmongery / Hardware			
				a) Mortise lock with Euro profile Cylinder - 1 No.	1.00	No	
				b) Lever handle - 1 No.	1.00	No	
				c) Exposed cam Action Door Closer- 1 Nos.	1.00	No	
11.2.1				D4a -Single leaf, Structural opening size- 1200mm x 2400mm			
				Ironmongery / Hardware			
				a) Mortise lock with Euro profile Cylinder - 1 No.	1.00	No	
				b) Lever handle - 1 No.	1.00	No	
				c) Exposed cam Action Door Closer- 1 Nos.	1.00	No	
11.2.2				D4b -Single leaf, Structural opening size- 1050mm x 2400mm			
				Ironmongery / Hardware			
				a) Mortise lock with Euro profile Cylinder - 1 No.	1.00	No	
				b) Lever handle - 1 No.	1.00	No	
				c) Exposed cam Action Door Closer- 1 Nos.	1.00	No	
11.2.3				D4c -Single leaf, Structural opening size- 900mm x 2400mm			
				Ironmongery / Hardware			
				a) Mortise lock with Euro profile Cylinder - 1 No.	1.00	No	
				b) Lever handle - 1 No.	1.00	No	
				c) Exposed cam Action Door Closer- 1 Nos.	1.00	No	
11.3.1				D4 - Single leaf, Structural opening size- 1200mm x 2400mm			
				Ironmongery / Hardware			
				a) Mortise lock with Euro profile Cylinder - 1 No.	1.00	No	
				b) Lever handle - 1 No.	1.00	No	
				c) Exposed cam Action Door Closer- 1 Nos.	1.00	No	
11.4.1				D6 - Single leaf, Structural opening size- 1200mm x 2400mm			
				Ironmongery / Hardware			
				a) Mortise lock with Euro profile Cylinder - 1 No.	1.00	No	
				b) Lever handle - 1 No.	1.00	No	
				c) Exposed cam Action Door Closer- 1 Nos.	1.00	No	
11.4.2				D6a - Single leaf, Structural opening size- 1050mm x 2400mm			
				Ironmongery / Hardware			
				a) Mortise lock with Euro profile Cylinder - 1 No.	1.00	No	
				b) Lever handle - 1 No.	1.00	No	
				c) Exposed cam Action Door Closer- 1 Nos.	1.00	No	
11.4.3				D6b - Single leaf, Structural opening size- 1000mm x 2400mm			
				Ironmongery / Hardware			
				a) Mortise lock with Euro profile Cylinder - 1 No.	1.00	No	
				b) Lever handle - 1 No.	1.00	No	
				c) Exposed cam Action Door Closer- 1 Nos.	1.00	No	
11.4.4				D6c - Single leaf, Structural opening size- 900mm x 2400mm			
				Ironmongery / Hardware			
				a) Mortise lock with Euro profile Cylinder - 1 No.	1.00	No	
				b) Lever handle - 1 No.	1.00	No	
				c) Exposed cam Action Door Closer- 1 Nos.	1.00	No	
11.4.5				D6d - Single leaf, Structural opening size- 750mm x 2400mm			
				Ironmongery / Hardware			
				a) Mortise lock with Euro profile Cylinder - 1 No.	1.00	No	
				b) Lever handle - 1 No.	1.00	No	
				c) Exposed cam Action Door Closer- 1 Nos.	1.00	No	
11.4.2				D10 - Single leaf, Structural opening size- 1050mm x 2400mm			
				Ironmongery / Hardware			
				a) Cylinder lock- 1 No.	1.00	No	
				b) SS brush finish pull handle 450mm length- 1 No.	1.00	No	
				c) Floor Spring	1.00	No	
11.5.1				D3a - Double leaf, Structural opening size - 1500mm x 2400mm			
				Ironmongery / Hardware			
				a) Mortise lock with Euro profile Cylinder - 1 No.	1.00	No	
				b) Lever handle - 2 No.	2.00	No	
				c) Exposed cam Action Door Closer- 2 Nos.	2.00	No	
11.6.1				D5 - Double leaf, Structural opening size - 1500mm x 2400mm			
				Ironmongery / Hardware			
				a) Mortise lock with Euro profile Cylinder - 1 No.	1.00	No	
				b) SS brush finish Pull handle 600mm length- 2 No.	2.00	No	
				c) Exposed cam Action Door Closer- 2 Nos.	2.00	No	
11.7.1				D9 - Single leaf, Structural opening size- 1200mm x 2400mm (Location : Ground floor Kitchen)			
				Fire Door 45mm 1HR FRL (60/60) 3 Criteria- INTEGRITY / INSULATION / STABILITY WOODEN DOOR			
				Ironmongery / Hardware			
				a) Cylinder lock- 1 No.	1.00	No	
				b) SS brush finish pull handle 450mm length- 1 No.	1.00	No	
				c) Floor Spring	1.00	No	
				d) 450mm x 450mm Vision panel with 6mm thick clear toughned glass- 1 No.	0.20	Sqm	
				e) Kick Plate - 2 Nos.	2.00	No	
11.7.2				D9a - Single leaf, Structural opening size- 1000mm x 2400mm (Location : Ground floor Kiosk)			

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
				Fire Door 45mm 1HR FRL (60/60) 3 Criteria- INTEGRITY / INSULATION / STABILITY WOODEN DOOR			
				Ironmongery / Hardware			
				a) Cylinder lock- 1 No.	1.00	No	
				b) SS brush finish pull handle 450mm length- 1 No.	1.00	No	
				c) Floor Spring	1.00	No	
				d) 450mm x 450mm Vision panel with 6mm thick clear toughned glass- 1 No.	0.20	Sqm	
				e) Kick Plate - 2 Nos.	2.00	No	
2.7.1				SLD1 Structural opening size - 750mm x 2400mm			
				Ironmongery / Hardware			
				a)Slim Track Size: 54x58mm	1.00	No	
				b)Door height adjustment +/-3.5mm on carriage and prevent the de-railing of sliding door	1.00	No	
				c)Aluminium anodised top track	1.00	No	
				d)Finish: SS or brushed clear	1.00	no	
				e)Wooden clamp- for handing the wooden doors	1.00	No	
				d)Floor guide	1.00	No	
2.7.2				SLD2 Structural opening size - 1050mm x 2400mm			
				Ironmongery / Hardware			
				a)Slim Track Size: 54x58mm	1.00	No	
				b)Door height adjustment +/-3.5mm on carriage and prevent the de-railing of sliding door	1.00	No	
				c)Aluminium anodised top track	1.00	No	
				d)Finish: SS or brushed clear	1.00	No	
				e)Wooden clamp- for handing the wooden doors	1.00	No	
				f)Floor guide	1.00	No	
				DECORATIVE LIGHTS			
1	Decorative Pendant Light			Supply, Erection, Testing & Commisioning of Decorative Pendant Light made of cane material Suspension Mechanism - Steel canopy suspended from ceiling with SS rope Enclosure Colour - Beige Colour Temperature - 3000K - Warm White Protection Degree - IP20 Including standard shape E27 Base LED Lamp 9W - Non Dimmable (Similar to La Lumiere : Catalogue - WLL/Cust/Bespoke-151-CANA) Make : La Lumiere/Vistosi/Eglo Lighting	9.00	Nos.	
2	Chandelier			Supply, Erection, Testing & Commisioning of Chandelier made of hand blown glasses in clear and amber colour suspended with SS clutch wires from the ceiling in a designer curved form complete with LED downlights in 3000K - Warm White colour - Non Dimmable - Complete with designing and installation. The installation will directly hang from ceiling and will need 19mm ply support behind the gypsum. Total Power Consumption - 500W - Non Dimmable, (Length -13500mm Width - 3000mm) (Similar to La Lumiere : Catalogue - WLL/Cust/Bespoke/ 155- ESPIRA Bespoke) Make : La Lumiere/Lasvit/Eglo Lighting	1.00	Set	
3	Decorative Pendant Light			Supply, Erection, Testing & Commisioning of Decorative Pendant Light made of aluminium material Suspension Mechanism - Steel canopy suspended from ceiling with SS rope,Enclosure Colour - White ,Colour Temperature - 3000K - Warm White, Protection Degree - IP20 Including standard shape E27 Base LED Lamp 7W - Non Dimmable (Similar to La Lumiere : Catalogue - La Lumière Make - WLL/Cust/Bespoke/ 135 - CUPULA) Make : La Lumiere/Vistosi/Eglo Lighting	16.00	Nos.	
4	Decorative Wall Light			Supply, Erection, Testing & Commisioning of Decorative Wall Light made of brass material Wall mounting Enclosure Colour - Antique Brass Colour Temperature - 3000K - Warm White Protection Degree - IP20 Including standard shape E14 Base LED Lamp 9W - Non Dimmable (La Lumière Make - WLL/Cust/Bespoke/ 120 - DROIT) Make : La Lumiere/Vistosi/Eglo Lighting	1.00	Set	
5	Decorative Floor Lamp			Supply, Erection, Testing & Commisioning of Decorative Floor Lamp made of brass material Mounting - Floor Mounted Enclosure Colour - Antique Brass ,Colour Temperature - 3000K - Warm White Protection Degree - IP20 Including standard shape E14 Base LED Lamp 9W - Non Dimmable (La Lumière Make - WLL/Cust/Bespoke/ 121 - PRESA) Make : La Lumiere/Vistosi/Eglo Lighting	44.00	Nos.	
6	Decorative Floor Lamp			Supply, Erection, Testing & Commisioning of Decorative Floor Lamp made of steel and opal white glass, Mounting - Floor Mounted Enclosure Colour - Antique Brass Colour Temperature - 3000K - Warm White Protection Degree - IP20 Including standard shape E14 Base LED Lamp 9W - Non Dimmable (La Lumière Make - WLL/Cust/Bespoke/ 165 - CROISE) Make : La Lumiere/Vistosi/Eglo Lighting	12.00	Nos.	
7	Decorative Pendant Lamp			Supply, Erection, Testing & Commisioning of Decorative Pendant Lamp made of steel Suspension Mechanism - Steel canopy suspended from ceiling with SS rope Enclosure Colour - Antique Brass Colour Temperature - 3000K - Warm White Protection Degree - IP20 Including standard shape E14 Base LED Lamp 12W - Non Dimmable Make : La Lumiere/Vistosi/Eglo Lighting	10.00	Nos.	
8	Decorative Floor Lamp			Supply, Erection, Testing & Commisioning of Decorative Floor Lamp made of steel and opal white glass, Mounting - Floor Mounted Enclosure Colour - Antique Brass Colour Temperature - 3000K - Warm White Protection Degree - IP20 Including standard shape E14 Base LED Lamp 15W - Non Dimmable (La Lumière Make - WLL/Cust/Bespoke/ 160 - FURO) Make : La Lumiere/Vistosi/Eglo Lighting	7.00	Nos.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
9	Spot focus Lights			Supply, Erection, Testing & Commisioning of Spot focus Lights with surface mounted track and all accessories - 15W - 3000K - Warm White - Non Dimmable - Medium beam angle. Finish - Black / White (La Lumière Make - WLL/T/MBM191-15W30 - DESTA) Make : La Lumiere/Vistosi/Eglo Lighting	6.00	Nos.	
10	Outdoor wall scones			Outdoor wall scones	12.00	Nos.	
				SYSTEM FURNITURE			
9.0	0			FURNITURE			
9.1	0			MODULER / LOOSE FURNITURE			
				Workstaions and Cabins			
9.1.1	CCS34			2 person side by side cluster : Size - 1350mmW x 600mmD	20.00	Set	
	W1			Supply, delivery and installation of workstation - [Cluster of 2 Nos.] 1350mm W X 600mm D Worktop- 25 mm thick Prelaminated with PVC. 55 mm (+/-5mm) thick 1200 mm ht. Workstation size - 1350mm W x 600mm D. The partition based system shall be with main and return spine in 50 mm thick made by 1.2 mm thick CRCA sheet confirming to IS 513: (2008), IS 13871:1993.The intermediate shall be gable end with 18mm thick prelam partical board with above the table top 18mm thick fabric screen. The profile of verticals should be able to slide the tiles thickness of 6 mm. The verticals shall have multiple slots for carrying the data and power cables and provision for fixing MS brackets Slots shall be provided at different heights for fixing table top brackets, tiles and shelves. There shall be minimum three slots at different levels to accommodate raceways at skirting and table top levels. There should be options of carrying the cables both above and below the table top as per the requirement. The slot provided should be of size- 150x 25 mm. The slot cut out should be made by CNC machines to avoid sharp edges and burr. There shall be minimum four horizontal members in each frame- top , middle levels and at the skirting level. The horizontal members shall be made from CRCA sheets formed in “C” shape in hydraulic press. The CRCA sheets shall be confirmed to IS 513: (2008), IS 13871:1993. The horizontal members shall be fabricated with welded joints to the vertical which makes the frames sturdy and facilitates carriage of cables at different levels. The middle cross members shall have minimum two slots of size 150x25 mm for carriage of cable vertically from the floor to the raceways. The vertical and the cross members shall be CO2 MIG welded to IS 816, ISO 9692- ISO 9692-3. The bottom cross member should be elevated by 120 mm from the floor level. All the frames should be fitted with M10 leveling bolts to adjust to ground undulations and capable of adjustment +/- 20 mm. the MS bolt shall be zinc passified with insert molded in PVC shoes. All frames			
	0			All the edges of work surface shall be provided with machine pressed 2 mm thick PVC lipping glued with hotmelt EVA.	0.00	0	
	CCS34			PEDESTAL -Mobile Drawer Unit (2D+1F) : It shall be of size of 400 x 450 x 600 (WDH) mm made up of 18mm thick Pre-laminate particle board as per E1 norms and its edges duly sealed with 2mm PVC Lipping on automatic machine at visible sides. The pedestal shall have two drawer and one file unit. Drawer front & sides shall be made up of 18mm, back 9 mm thick pre laminated particle board of E1 grade with visible edges sealed with 2mm PVC edge band. The drawer side surface shall be provided with finger groove handle-less design. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface & 12 mm tapered towards inside at 45 degree & then sealed with minimum 2mm thick PVC lipping on automatic machine. Suitable lock shall be provided. Tolerance of +/- 5mm to be considered for product sizes i.e Length, Depth & height and tolerance of 5% to be considered in pipe thickness & Pipe sizes. Keyboard pull out tray - Size :- 230mm W -345mm W X 226mm D X 180mm H. Metal Tray - Tray to be made of 1.0 mm thick MS CRCA Sheet and side supportto be made of 0.8 mm thick MS CRCA Sheet. Retrofit mouse tray to be provided on Right hand side or Left hand side as per requirement. Mouse tray size 210w x 210w made up of 0.9mm thk. CRCA 'D' grade as per IS - 513. CPU trolley - Size :- 230mm W -345mm W X 226mm D X 180mm H. Base tray to be made up of 1mm thk MS CRCA steel and side support to be made up of 0.8 thk. MS CRCA sheet. Non lockable twin wheel castors to be injection moulded in Black Nylon. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.	40.00	Nos	
9.1.2	CCS34			4 person back to back cluster : Size -1350mmW x 600mmD	44.00	Set	
	W2			Supply, delivery and installation of workstation - [Cluster of 4 Nos. back to back] 1350mm W X 600mm D Worktop- 25 mm thick Prelaminated with PVC. 55 mm (+/-5mm) thick 1200 mm ht. Workstation size - 1350mm W x 600mm D. The partition based system shall be with main and return spine in 50 mm thick made by 1.2 mm thick CRCA sheet confirming to IS 513: (2008), IS 13871:1993.The intermediate shall be gable end with 18mm thick prelam partical board with above the table top 18mm thick fabric screen. The profile of verticals should be able to slide the tiles thickness of 6 mm. The verticals shall have multiple slots for carrying the data and power cables and provision for fixing MS brackets Slots shall be provided at different heights for fixing table top brackets, tiles and shelves. There shall be minimum three slots at different levels to accommodate raceways at skirting and table top levels. There should be options of carrying the cables both above and below the table top as per the requirement. The slot provided should be of size- 150x 25 mm. The slot cut out should be made by CNC machines to avoid sharp edges and burr. There shall be minimum four horizontal members in each frame- top , middle levels and at the skirting level. The horizontal members shall be made from CRCA sheets formed in “C” shape in hydraulic press. The CRCA sheets shall be confirmed to IS 513: (2008), IS 13871:1993. The horizontal members shall be fabricated with welded joints to the vertical which makes the frames sturdy and facilitates carriage of cables at different levels. The middle cross members shall have minimum two slots of size 150x25 mm for carriage of cable vertically from the floor to the raceways. The vertical and the cross members shall be CO2 MIG welded to IS 816, ISO 9692- ISO 9692-3. The bottom cross member should be elevated by 120 mm from the floor level. All the frames should be fitted with M10 leveling bolts to adjust to ground undulations and capable of adjustment +/- 20 mm.			
	0						
	0			All the edges of work surface shall be provided with machine pressed 2 mm thick PVC lipping glued with hotmelt EVA.			

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS34			PEDESTAL - Supply, delivery and installation of PEDESTAL -Mobile Drawer Unit (2D+1F) : It shall be of size of 400 x 450 x 600 (WDH) mm made up of 18mm thick Pre-laminate particle board as per E1 norms and its edges duly sealed with 2mm PVC Lipping on automatic machine at visible sides. The pedestal shall have two drawer and one file unit. Drawer front & sides shall be made up of 18mm, back 9 mm thick pre laminated particle board of E1 grade with visible edges sealed with 2mm PVC edge band. The drawer side surface shall be provided with finger groove handle-less design. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface & 12 mm tapered towards inside at 45 degree & then sealed with minimum 2mm thick PVC lipping on automatic machine. Suitable lock shall be provided. Tolerance of +/- 5mm to be considered for product sizes i.e Length, Depth & height and tolerance of 5% to be considered in pipe thickness & Pipe sizes. Keyboard pull out tray - Size :- 230mm W -345mm W X 226mm D X 180mm H. Metal Tray - Tray to be made of 1.0 mm thick MS CRCA Sheet and side supportto be made of 0.8 mm thick MS CRCA Sheet. Retrofit mouse tray to be provided on Right hand side or Left hand side as per requirement. Mouse tray size 210w x 210w made up of 0.9mm thk. CRCA 'D' grade as per IS - 513. CPU trolley - Size :- 230mm W -345mm W X 226mm D X 180mm H. Base tray to be made up of 1mm thk MS CRCA steel and side support to be made up of 0.8 thk. MS CRCA sheet. Non lockable twin wheel castors to be injection moulded in Black Nylon.	176.00	Nos.	
9.1.3	CCS34			C type cluster : Size -1500mmW1 x1500mmW2 x 600mmD	28.00	Set	
	W3			Supply, delivery and installation of workstation - (L type workstation) 1500mm W1 X 1500mm W2 x 600D Worktop- 25 mm thick Prelaminated with PVC. 55 mm (+/-5mm) thick 1200 mm ht. Workstation size - 1500L1 - 1500L2 X 600D X 750/1200H. workstations of overall panel thickness 50 mm thick made by 1.2 mm thick CRCA sheet confirming to IS 513: (2008), IS 13871:1993. The profile of verticals should be able to slide the tiles thickness of 6 mm. The verticals shall have multiple slots for carrying the data and power cables and provision for fixing MS brackets Slots shall be provided at different heights for fixing table top brackets, tiles and shelves. There shall be minimum three slots at different levels to accommodate raceways at skirting and table top levels. There should be options of carrying the cables both above and below the table top as per the requirement. The slot provided should be of size- 150x 25 mm. The slot cut out should be made by CNC machines to avoid sharp edges and burr. There shall be minimum four horizontal members in each frame- top , middle levels and at the skirting level. The horizontal members shall be made from CRCA sheets formed in “C” shape in hydraulic press. The CRCA sheets shall be confirmed to IS 513: (2008), IS 13871:1993. The horizontal members shall be fabricated with welded joints to the vertical which makes the frames sturdy and facilitates carriage of cables at different levels. The middle cross members shall have minimum two slots of size 150x25 mm for carriage of cable vertically from the floor to the raceways. The vertical and the cross members shall be CO2 MIG welded to IS 816, ISO 9692- ISO 9692-3. The bottom cross member should be elevated by 120 mm from the floor level. All the frames should be fitted with M10 leveling bolts to adjust to ground undulations and capable of adjustment +/- 20 mm. the MS bolt shall be zinc pacified with insert molded in PVC shoes. All frames are fixed with aluminum trims confirming to IS - 737. The top and end trims			
	0				0.00		
	CCS34			Supply, delivery and installation of PEDESTAL -Mobile Drawer Unit (2D+1F) : It shall be of size of 400 x 450 x 600 (WDH) mm made up of 18mm thick Pre-laminate particle board as per E1 norms and its edges duly sealed with 2mm PVC Lipping on automatic machine at visible sides. The pedestal shall have two drawer and one file unit. Drawer front & sides shall be made up of 18mm, back 9 mm thick pre laminated particle board of E1 grade with visible edges sealed with 2mm PVC edge band. The drawer side surface shall be provided with finger groove handle-less design. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface & 12 mm tapered towards inside at 45 degree & then sealed with minimum 2mm thick PVC lipping on automatic machine. Suitable lock shall be provided. Tolerance of +/- 5mm to be considered for product sizes i.e Length, Depth & height and tolerance of 5% to be considered in pipe thickness & Pipe sizes. Keyboard pull out tray - Size :- 230mm W -345mm W X 226mm D X 180mm H. Metal Tray - Tray to be made of 1.0 mm thick MS CRCA Sheet and side supportto be made of 0.8 mm thick MS CRCA Sheet. Retrofit mouse tray to be provided on Right hand side or Left hand side as per requirement. Mouse tray size 210w x 210w made up of 0.9mm thk. CRCA 'D' grade as per IS - 513. CPU trolley - Size :- 230mm W -345mm W X 226mm D X 180mm H. Base tray to be made up of 1mm thk MS CRCA steel and side support to be made up of 0.8 thk. MS CRCA sheet. Non lockable twin wheel castors to be injection moulded in Black Nylon. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.	56.00	Nos.	
9.1.4	CCS34			Cubicle (Shared) : Size - 1500mmW x600mmD x1350mmW (ERU)	88.00	Set	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	W4			Workstation - [Cubicle Cluster] 3450mm W X 1500 D Worktop- 25 mm thick Prelaminated with PVC. 55 mm (+/-5mm) thick 1200 mm ht. Cabin table size - 1500mm W x 600mm D. ERU of 1350mmW and 450mmD workstations of overall panel thickness 50 mm thick made by 1.2 mm thick CRCA sheet confirming to IS 513: (2008), IS 13871:1993. The profile of verticals should be able to slide the tiles thickness of 6 mm. The verticals shall have multiple slots for carrying the data and power cables and provision for fixing MS brackets Slots shall be provided at different heights for fixing table top brackets, tiles and shelves. There shall be minimum three slots at different levels to accommodate raceways at skirting and table top levels. There should be options of carrying the cables both above and below the table top as per the requirement. The slot provided should be of size- 150x 25 mm. The slot cut out should be made by CNC machines to avoid sharp edges and burr. There shall be minimum four horizontal members in each frame- top , middle levels and at the skirting level. The horizontal members shall be made from CRCA sheets formed in "C" shape in hydraulic press. The CRCA sheets shall be confirmed to IS 513: (2008), IS 13871:1993. The horizontal members shall be fabricated with welded joints to the vertical which makes the frames sturdy and facilitates carriage of cables at different levels. The middle cross members shall have minimum two slots of size 150x25 mm for carriage of cable vertically from the floor to the raceways. The vertical and the cross members shall be CO2 MIG welded to IS 816, ISO 9692- ISO 9692-3. The bottom cross member should be elevated by 120 mm from the floor level. All the frames should be fitted with M10 leveling bolts to adjust to ground undulations and capable of adjustment +/- 20 mm. the MS bolt shall be zinc pacified with insert molded in PVC shoes. All frames are fixed with aluminum trims confirming to IS – 733. The top and end trims shall be minimum 1.2 mm thick extrusions confirming to IS 733:2017 and ISO			
	0						
	W4-A			1200X450X750MM Specifications: The overall size of Low height storage shall be 1200 x 450 x 750(WDH) mm. Top shall be made up of 18mm thick pre laminated particle board E1 norms and Back shall be made up of 9 mm thick pre laminated particle board with 2mm PVC edge lipping, Shutters shall be made up of 18 mm thick pre laminated particle board. Shutters to be provied for compartment. The storage shall have adjustable shelf. Edge: All exposed shall be sealed with 2mm thick PVC edge lipping. The hinged doors top shall be provided with finger groove handle-less design for a streamlined look. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface & 12 mm tapered towards inside @ 45 degree & then sealed with minimum 2mm thick PVC lipping on automatic machine. Cam Lock faciltity should be provided for safe storage of documents.	88.00	Set	
	W4-B			900X450X750MM Specifications: The overall size of Low height storage shall be 900 x 450 x 750(WDH) mm. Top shall be made up of 18mm thick pre laminated particle board E1 norms and Back shall be made up of 9 mm thick pre laminated particle board with 2mm PVC edge lipping, Shutters shall be made up of 18 mm thick pre laminated particle board. Shutters to be provied for compartment. The storage shall have adjustable shelf. Edge: All exposed shall be sealed with 2mm thick PVC edge lipping. The hinged doors top shall be provided with finger groove handle-less design for a streamlined look. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface & 12 mm tapered towards inside @ 45 degree & then sealed with minimum 2mm thick PVC lipping on automatic machine. Cam Lock faciltity should be provided for safe storage of documents.	89.00	Set	
	CCS34			Supply, delivery and installation of PEDESTAL -Mobile Drawer Unit (2D+1F) : It shall be of size of 400 x 450 x 600 (WDH) mm made up of 18mm thick Pre-laminate particle board as per E1 norms and its edges duly sealed with 2mm PVC Lipping on automatic machine at visible sides. The pedestal shall have two drawer and one file unit. Drawer front & sides shall be made up of 18mm, back 9 mm thick pre laminated particle board of E1 grade with visible edges sealed with 2mm PVC edge band. The drawer side surface shall be provided with finger groove handle-less design. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface & 12 mm tapered towards inside at 45 degree & then sealed with minimum 2mm thick PVC lipping on automatic machine. Suitable lock shall be provided. Tolerance of +/- 5mm to be considered for product sizes i.e Length, Depth & height and tolerance of 5% to be considered in pipe thickness & Pipe sizes. Keyboard pull out tray - Size :- 230mm W -345mm W X 226mm D X 180mm H. Metal Tray - Tray to be made of 1.0 mm thick MS CRCA Sheet and side supportto be made of 0.8 mm thick MS CRCA Sheet. Retrofit mouse tray to be provided on Right hand side or Left hand side as per requirement. Mouse tray size 210w x 210w made up of 0.9mm thk. CRCA 'D' grade as per IS - 513. CPU trolley - Size :- 230mm W -345mm W X 226mm D X 180mm H. Base tray to be made up of 1mm thk MS CRCA steel and side support to be made up of 0.8 thk. MS CRCA sheet. Non lockable twin wheel castors to be injection moulded in Black Nylon. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.	176.00	No	
9.1.5	CCS34			Cabin Table -MF2	6.00	Nos.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	0			Supply, delivery and installation of Size of Main Table :2400 X 900 X 750 H mm & Side Unit size 1200 W x 445 D x 660 H. Back Unit size : 2215 W x 410 D x 2000 H. All dim in mm.The main table top shall be Made up of 50mm thick chamfered Profile.The top shall be finished with a membrane finish. The tabletop shall be resting on one side of the small storage made up of 25 & 16mm thick Particle Board and other side on the side unit. The Main Table top shall have the sleek chamfer design of 20mm straight and the rest will be tappered. The Modesty of the table shall be come up 16mm particle board. In this one steel strip of 10mm wide shall be placed horizontally in front of the modesty which inhancing the looks of this executive table. The table shall not have any sharp edges. The table shall have Flaper box access with size of 300 Length for easy wire access. The table shall be made of prelaminated particle Board. Side unit shall comes with the configurations of 2 shutter 2 drawer and rest is open for CPU. The side unit top shall be come up with 25mm thick same sleek chamfer design with of 8mm straight and the rest will be tappered. the shutters and shelves shall be made up of 16mm of thick laminated panel. The shutters shall be comes with finger groove handle made up of alluminium trims. Other sides small single shutter storage made up of same as side unit. The Overall size of the small storage shall be 600WX850DX630H. All the Drawer and shutters shall be operated by finger groove with the help of aluminium extrusion on the top of Drawer and shutter facia of size 35LX18D with 1.5mm of thickness. 70mm skirting shall be provided at bottom made up of 16mm thick laminated particle board. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.5.1	0			LEADERSHIP TABLE -1 & 2- (3000 X 1050 X 750)MM - ELITE WITH BACK STORAGE The overall size of the table with back storage shall be 3000L x 950D x 760H with Side Unit Extension 1900L x 600D x 610H and back stoarge 2400L x 450D x 2000H. The main table top shall be size of 2200L x 950D. The tabletop shall be 65mm thick. The tabletop shall be resting on one side of the gable end with the same thickness of table top and other side on the side unit. The table top and gable end shall have the sleek chamfer design of 15mm straight and the rest will be tappered. The Modesty of the table shall be come up with same sleek chamfer with 15mm straight and rest will be tappered. In this one steel strip of 10mm wide shall be placed horizontally in front part of the modesty which inhancing the looks of this executive table. The tabletop shall have a leather pad with size of 1145mm x 495mm that gives a premium look. The table shall not have any sharp edges. The table shall have Pop up box access with cable cubby with size of 235mm x 125mm for easy wire access. The table shall be made of MDF with veneer finish. The modesty shall be made of MDF with veneer finish.One Aditional single shutter Compartment with push to open system shall be comes up, which directly connected to the oposite side gable end of the side unit. The side unit shall be sized 1900L x 600D x 610H. It shall come with the configurations of 1 shutter 2 drawer and rest is open for CPU. The side unit top shall be come up with same sleek chamfer design with of 8mm straight and the rest will be tappered. and the outer body panel shall be come up with 15mm of thickness. The side unit shall have seven horizontal slotted cutout for air ventilation of size 170LmmX10Hmm for cooling the CPU. Ventilation slotted cutouts shall covered with moulded plastic covers which provide smooth radius and looks. Drawer channels shall have soft close. All the Drawer and shutters shall be operated by finger grove with the help of V shaped aluminium extrusion on the top of Drawer and shutter facia shall have	2.00	Nos.	
	0				0.00		
9.1.6	CCS34			SABHAPATI CABIN TABLE-TYPE-1 -MF3 -STATEMENT WITH BACK STORAGE The overall size of the table shall be 2000L x 900D x 760H with side storage 1200L x 600D x 760H. The tabletop shall be 70mm thick. The tabletop shall be resting on one side of the gable end with the same thickness of table top with tapered design and other side on the side unit. The table top shall have the chamfer design On Upper edge of 30x15mm will be tappered and Bottom edge shall be comes with 30mm radius. The Modesty of the table shall be come up with Long chamfer chamfered design. In this one horizontal pattern pad shall be attached in front of the modesty which inhancing the looks of this executive table. The half of the tabletop shall be covered with a Pu leather pad from user side that gives a premium look. The table shall not have any sharp edges. The table shall have Grommet for easy wire access. The table shall be made of MDF with veneer finish. The modesty shall be made of MDF with veneer finish. Back Unit:The overall size of theback unit shall be 2400L x 400D x 2000H. The Back unit top and side shall be 25mm thick. The back side pannel shall be come up with 15mm thickness. All the corners shall be comes with 50mm Radius.The Right side portion of the back unit shall be come up with full height storage. Bottom side compartments of this full height storage shall be come up with sliding shutters and upeer side of this full height storage shall be come up with finger groove shutters. Full height storage shutters shall be comes with 15mm thickness and the inner shelves comes with 25mm thick thick. The rest Portion of the back unit shall be come up with open compartments. Open compartments shelves shall be come up with 35mm thickness and the verticle twin supports shall be comes with 25mm of thickness.Verticle support panel shall be comes with forward and reverse chamfered with 8mm thick of centric straight part. which provide smooth edges and looks asthetically plasent.	15.00	Nos.	
9.1.7	CCS34			Cabin Table Type 1 (MF4) - STATEMENT	17.00	Nos.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	0			The overall size of the table shall be 2000L x 900D x 760H. The tabletop shall be 70mm thick. The tabletop shall be resting on one side of the gable end with the same thickness of table top with tapered design and other side on the side unit. The table top shall have the chamfer design On Upper edge of 30x15mm will be tappered and Bottom edge shall be comes with 30mm radius. The Modesty of the table shall be come up with Long chamfer chamfered design. In this one horizontal pattern pad shall be attached in front of the modesty which inhancing the looks of this executive table. The half of the tabletop shall be covered with a Pu leather pad from user side that gives a premium look. The table shall not have any sharp edges. The table shall have Grommet for easy wire access. The table shall be made of MDF with veneer finish. The modesty shall be made of MDF with veneer finish. Back Unit:The overall size of theback unit shall be 2400L x 400D x 2000H. The Back unit top and side shall be 25mm thick. The back side pannel shall be come up with 15mm thickness. All the corners shall be comes with 50mm Radius.The Right side portion of the back unit shall be come up with full height storage. Bottom side compartments of this full height storage shall be come up with sliding shutters and upeer side of this full height storage shall be come up with finger groove shutters. Full height storage shutters shall be comes with 15mm thickness and the inner shelves comes with 25mm thick thick. The rest Portion of the back unit shall be come up with open compartments. Open compartments shelves shall be come up with 35mm thickness and the verticle twin supports shall be comes with 25mm of thickness.Verticle support panel shall be comes with forward and reverse chamfered with 8mm thick of centric straight part. which provide smooth edges and looks asthetically plasent.			
9.1.8	CCS34			Cabin Table Type 2 (MF5) SENATE	21.00	Nos.	
	0			The overall size of table shall 2000L x 800D x 780H with Side Unit Extention 1010L x 500D x 650H. The table top shall be made of 25mm thick with Pre laminate Partical board with all side 2mm pvc edge band finish. The working table top shall have size of 1800L x 800D. The table top visible side shall be 50mm thick. The edge of table top shall be cover with L-shaped alumimum extrusion with size of 10mm x 15mm.This aluminium extrusion shall increase the overall look of the table top.The main table top shall be supported on one side top supported pedestal and other side of side unit. 3 equal drawer unit shall be provided with size of 495 W x 800D x 650H. The drawer unit shall be made of 18mm thick pre laminate partical board with 2mm pvc edge band finish.The front modesty shall be made of 18mm thick pre laminate Partical board with 450mm height. Modesty shall be fitted on gable end with helps of mini fix. Wire Management: 1 No. Aluminium Flip Up and provision to mount swicthes and sockets on metal cable Dump and vertebra considered for wire uptake from floor to cable dump. Side return unit shall have overall size of 1010L x 500D x 650H.The body of side unit shall be made of 18mm thick pre laminte Partical board with 2mm PVC edge band finish.The side table design should be such that it has flexibility to be fixed either in right hand side or left hand side of the user during the time of assembly. The side unit shall have one openeble shutter with 2 equal compartment to keep the documents and rest area shall have open compartment. The overall size of Back unit shall be 1800L x 400D x 2000H. The back unit top shall be made of 25mm thick pre laminate partical board with 2mm pvc edge band on all the side. The side pannel shall have made of 18mm thick pre laminate partical board with 2mm pvc edge band finish all the visible side. The storage consist of 2 openeble door with size of 450W x 1940H and 2 openable shutter with height of 780mm at the floor level. In middle of the storage shall have openable compartment and the shelf of openable compartment shall be			
9.1.9	CCS34			Cabin Table Type 6 (MF5a) SENATE WITH BACK STORAGE 1800L The overall size of table shall 1800L x 750D x 780H with Side Unit Extention 900L x 440D x 780H. The table top shall be made of 25mm thick with Pre laminate Partical board with all side 2mm pvc edge band finish.The table top visible side shall be 50mm thick. The edge of table top and return side extention shall be cover with L-shaped alumimum extrusion with size of 10mm x 15mm. This aluminium extrusion shall increase the overall look of the table top. The main table and return side table shall have same height. The gable end of table shall be made of 50mm thick pre laminate Partical board with 2mm pvc edge band finish all side. The main table top shall be supported on gable end and other side of side unit. The front modesty shall be made of 18mm thick pre laminate Partical board with 450mm height. Modesty shall be fitted on gable end with helps of mini fix. Wire Management: 1 No. Aluminium Flip Up and provision to mount swicthes and sockets on metal cable Dump and vertebra considered for wire uptake from floor to cable dump. Side return unit shall have overall size of 900L x 440D x 780H. The side return unit shall have 50mm thick top made of pre laminate Partical board. The side unit shall have 1 openable shutter. The openable shutter shall have 2 equal compartment. The body of side unit shall be made of 18mm thick pre laminte Partical board with 2mm PVC edge band finish.The side table design should be such that it has flexibility to be fixed either in right hand side or left hand side of the user during the time of assembly.The overall size of Back unit shall be 1800L x 400D x 2000H. The back unit top shall be made of 25mm thick pre laminate partical board with 2mm pvc edge band on all the side. The side pannel shall have made of 18mm thick pre laminate partical board with 2mm pvc edge band finish all the visible side. The storage consist of 2 openeble door with size of 450W x 1940H and 2 openable shutter with height of 780mm at the floor level. In middle of the storage shall have openable compartment and the shelf of openable compartment shall be	46.00	Nos.	
	0				0.00		

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
9.1.9.1	0			Supply, delivery and installation of L shape table as per mentioned details Main table of 1650 x 750 x 750 ERU in combi storage—2 shutters + 1 pedestal of size 900 x 450 x 750 (VERSALINE TABLE) Main Table of size 1650 x 750 x740 (WDH) with side unit size of 900 x 450 x 750mm(LDH).The worktop shall be made up of 25mm thick PLPB E1 norms duly finished with 2mm pvc edge band. The Modesty shall be made of 18mm thick pre laminated partical boards with E1 norms and all visible side 2mm pvc edge bending. Modesty shall be connected with 3 nos L-shape pressure aluminium die casted connector. MOdesty height shall be 450mm .The understructure shall be made of 18mm thick prelam partical board with 2mm pvc edge band all the visible side.Wire Management: 300 mm Anodised flip up Made of Aluminum in anodised finish, that shall have soft closure and three way wire acess & PVC cable tray. For entry of cables from the floor into the cable tray, Wire Entry. Side storage of size 900 x 450 x 750 H to be provided made up of 18mm thick PLPB E1 norms composite having two drawer & filling units/ shutters. back panel made up of 9mm thickn PLPB E1 norms. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface & 12 mm tapered towards inside at 45 degree & then sealed with minimum 2mm thick PVC lipping on automatic machine. Suitable lock shall be provided	10.00	Nos.	
9.1.10	CCS34			TYPICAL RECEPTION TABLE -MF6 @Mahasabha hall entrance Main Table of size 1500 x 750 x740 (WDH) with side unit size of 900 x 450 x 750mm(LDH).The worktop shall be made up of 25mm thick PLPB E1 norms duly finished with 2mm pvc edge band. The Modesty shall be made of 18mm thick pre laminated partical boards with E1 norms and all visible side 2mm pvc edge bending. Modesty shall be connected with 3 nos L-shape pressure aluminium die casted connector. MOdesty height shall be 450mm .The understructure shall be made of 18mm thick prelam partical board with 2mm pvc edge band all the visible side.Wire Management: 300 mm Anodised flip up Made of Aluminum in anodised finish, that shall have soft closure and three way wire acess & PVC cable tray. For entry of cables from the floor into the cable tray, Wire Entry. Side storage of size 900 x 450 x 750 H to be provided made up of 18mm thick PLPB E1 norms composite having two drawer & filling units/ shutters. back panel made up of 9mm thickn PLPB E1 norms. Finger groove shall be created by providing a reverse tapered profile edge of 6mm straight surface & 12 mm tapered towards inside at 45 degree & then sealed with minimum 2mm thick PVC lipping on automatic machine. Suitable lock shall be provided	8.00	Nos.	
9.1.11	CCS34			Recreation space table : size : 1800 W x 750 D x 740 H	2.00	Nos.	
	MF7			Reception table : The overall size of the reception table shall be 1800 mm length, 750 mm depth & 1050 mm height. On the front side both ends shall be provided with groove design strips to enhance the overall look. The entire table shall be made up of 25mm / 18mm thick pre laminated particle board of E1 norms. Inside of table a working height shelf should be provided or height 750 mm to keep desktop/ laptop and normal working with sitting. the edges of the visible surface shall be sealed with 2mm thick PVC lipping on automatic machine. Unless specified tolerance of +/- 5mm to be considered for product dimensions Length, Depth & height and tolerance of 5% to be considered in thickness & size of material & components used.			
9.1.12	CCS34			Conference table -14 seater TA 4700 X 2250 X 750	1.00	Nos.	
	MF 11			The overall size of conference table shall be 4700L x 2250D x 750H. The main worktop size shall be made of 25mm thick pre laminate partical boards with E1 norms dully finish with 2mm pvc edge band all the side of worktop.Modesty shall be made of 18mm thick pre laminate partical boards with E1 norms with 2mm pvc edge band all the visible side .The Height of the modesty shall be 450H mm.And the gable end shall be made of 25mm thick pre laminate partical boards with E1 norms dully finish with 2mm pvc edge band all the side.Wire Management: 450mm aluminium flip up, provision to mount switchesand sockets on PVC cable dump and Vertical wire entry cover for wire uptake from floor to cable dump.			
9.1.12.1	MF 11.1			Conference table -11 seater TA 3800 X 1350 X 750 Specifications The overall size of conference table shall be 3800L x 1350D x 750H. The main worktop size shall be made of 25mm thick pre laminate partical boards with E1 norms dully finish with 2mm pvc edge band all the side of worktop.Modesty shall be made of 18mm thick pre laminate partical boards with E1 norms with 2mm pvc edge band all the visible side .The Height of the modesty shall be 450H mm.And the gable end shall be made of 25mm thick pre laminate partical boards with E1 norms dully finish with 2mm pvc edge band all the side.Wire Management: 450mm aluminium flip up, provision to mount switchesand sockets on PVC cable dump and Vertical wire entry cover for wire uptake from floor to cable dump.	9.00	Nos.	
9.1.12.2	MF 11.2			Conference table -14 seater TA 5400 X 1650 X 740 Specifications The overall size of conference table shall be 5400L x 1650D x 750H. The main worktop size shall be made of 25mm thick pre laminate partical boards with E1 norms dully finish with 2mm pvc edge band all the side of worktop.Modesty shall be made of 18mm thick pre laminate partical boards with E1 norms with 2mm pvc edge band all the visible side .The Height of the modesty shall be 450H mm.And the gable end shall be made of 25mm thick pre laminate partical boards with E1 norms dully finish with 2mm pvc edge band all the side.Wire Management: 450mm aluminium flip up, provision to mount switchesand sockets on PVC cable dump and Vertical wire entry cover for wire uptake from floor to cable dump.	2.00	Nos.	
9.1.13	CCS34			Conference Table - Modular Table 7600mmW x 3050mmD x 740mm H	2.00	Nos.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	MF 12			Supply, delivery and installation of conference table where Worktop: Made of 25mm Thick Pre-laminated twin board of E1-P2 grade and approved shade conforming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Plastic ABS access flap is provided for easy access to wires and cables. Work top is available in various shapes as shown above. Understructure: It consist of 18mm Thick Pre-laminated twin board of E1-P2 grade and approved shade conforming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. The product has a knock-down construction. Modesty Panel: Made of 18mm Thick Pre-laminated twin board of E1-P2 grade and approved shade conforming to IS-12823:1990, Edge banded with matching 2 mm thick PVC lipping. Wire Management: An array of panels made of 0.8mm CRCA MS IS:513, epoxy polyester powder coated (DFT 40-60 microns) is used for flow of wires and cables. Provision to mount Anchor The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
	0			Roma 6 module plate is provided below worktop. Cutout on top with two piece injection moulded plastic part polymer component is fitted to pull out audio,video cables onto worktop and connect devices charger to power socket below worktop.			
9.1.14	CCS34			10 seater conference table - WAR ROOM TABLE 3000mmW X 1150mmD X 740mmH	1.00	No.	
	MF13			The overall size of conference table shall be 3000L x 1500D x 750H. The main worktop size shall be made of 25mm thick pre laminate partical boards with E1 norms dully finish with 2mm pvc edge band all the side of worktop.Modesty shall be made of 18mm thick pre laminate partical boards with E1 norms with 2mm pvc edge band all the visible side .The Height of the modesty shall be 450H mm.And the gable end shall be made of 25mm thick pre laminate partical boards with E1 norms dully finish with 2mm pvc edge band all the side.Wire Management: 450mm aluminium flip up, provision to mount switchesand sockets on PVC cable dump and Vertical wire entry cover for wire uptake from floor to cable dump.			
9.1.15	CCS34			press Meetiing Room - 2250x 1000	1.00	No.	
	MF14			The overall size of conference table shall be 2250L x 1050D x 750H. The main worktop size shall be made of 25mm thick pre laminate partical boards with E1 norms dully finish with 2mm pvc edge band all the side of worktop.Modesty shall be made of 18mm thick pre laminate partical boards with E1 norms with 2mm pvc edge band all the visible side .The Height of the modesty shall be 450H mm.And the gable end shall be made of 25mm thick pre laminate partical boards with E1 norms dully finish with 2mm pvc edge band all the side.Wire Management: 450mm aluminium flip up, provision to mount switchesand sockets on PVC cable dump and Vertical wire entry cover for wire uptake from floor to cable dump.			
9.1.16	CCS34			Round Table For Meetiing Room - 1050 DIA	1.00	No.	
	MF15			The overall size of the round meeting table is 1200 dia.he top shall be made up of 25mm thick pre laminated partical board with 2mm PVC edge band. Leg: shall be made up of high pressure aluminum die casted 20 degree tapered, number “7” shape & oblong cross section of about 55mm on top, 45mm at bottom and of 725mm length to get 750mm table height, it shall acts as vertical structural support member, connected by a horizontal cross beams 50x25x1.6thk (16g) ERW tube & connected to the Aluminium diecast vertical legs through a high pressure Aluminium diecast connectors.			
9.1.2	0			Chairs and Sofa BOQ			
9.1.2.1	CCS34			MC1-LOW BACK CHAIRS - SERIES 1	631.00	No.	
	0			The overall size of Chair shall be height 870 to 970 +/-5 mm, Back Width 415 mm at Top and 470mm at bottom, and 450mm at the lumber support. Seat Width 480 +/-5 mm, Seat Depth 440+/-5 mm and Seat height 420mm to 520 mm +/-5mm range. over all chair width should be 540 +/-5mm and Overall chair depth should be 610 +/-5mm. Seat should be made up of foam pre moulded at 55 kg/m3 density. hardness of 25+ 3kgf at 50% deflection conforming to IS 3400. Seat shall be upholstered with micro fabric 100% polyster 180 GSM abrasion > 50000 cycles. No flamming or progressive smoldering within one hour of placement of the cigarettes. Fire rated fabric confirming to BS EN 1021 (match) should be used. The back frame shall be made up of PPGF and the injection molded in black color, armrest also in black color. The chair shall be supplied with Mesh Back rest. The Chair should be provided with center tilt two position lock Mechanism.The mecahinsm plate shall be attached to seat with 2.5mm thick plate. The mechanism shall allow 360 degree revolving feature along with height adjustablility. Fixed arms connected to seat and back in the same colour.Armrest shall be Single peice die casted trapezium shaped arm rest overall size of 280 L x 230 H x 11mm thick at user side. The mechansim shall possess seat to back recline ratio of 1:1. The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. Nylon Base to be provied. Twin castors 50 mm dia with PA6 material complying to ANSI/ BIFMA X 5.1 2017 standards. the axle pin shall be rust protected zinc passivated. The base shall be made up of nylon glass filled black color.Tolerance of +/- 5mm to be considered for product sizes i.e Length, Depth & height and tolerance of 5% to be considered in pipe thickness & Pipe sizes. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.2.2	CCS34			MC2-MID BACK CHAIRS - SERIES 1	484.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	0			The overall size of Chair shall be width 600 +/-5mm, depth 640 +/-5mm. Total height shall be 995 to 1095 +/-5 mm, Back Width 425 mm at Top and 500mm at bottom, Seat Width 500 +/-5 mm, Seat Depth 470+/-5 mm and Seat height 470mm to 570 mm +/-5mm range. Seat shall be made up of foam pre moulded at 55 kg/m3 density. hardness of 25+ 3kgf at 50% deflection conforming to IS 3400. Seat shall be uplhostered with micro fabric 100% polyster 180 GSM abrasion > 50000 cycles. Fire rated fabric confirming to BS EN 1021 (match) should be used. The chair shall be supplied with Mesh Back rest. The back frame shall be made up of Injection molded PPGF 20%. Adjustable Lumbar Support made up of PU having size 365 mm x 110 mm x 25mm thick shall be provided for better comfort. The Chair should be provided with Self Calibrating Multilock Mechanism (Bio Snchyro mechansim) that should adjust the tension of the back sensing weight of the user. The mechanism shall allow 360 degree revolving feature along with height adjustablility. One Way Adjustable Arms (Height) to be provied with height adjustment button of size 73mm x 18mm made of Delrin P 500. The mechansim shall possess seat to back recline ratio of 3:7. The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. Nylon Base shall be provided.Twin castors 50 mm dia with PA6 material complying to ANSI/ BIFMA X 5.1 2017 standards. The base shall be 660 mm PCD (26 inches) five pronged bases made up of PA6, 30% glass filled reinforced with bottom ribbing for additional buttress and strength.Tolerance of +/- 5mm to be considered for product sizes i.e Length, Depth & height and tolerance of 5% to be considered in pipe thickness & Pipe sizes. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.	0.00		
9.1.2.3	CCS34			MC3-HIGH BACK CHAIRS - SERIES 1	24.00	No.	
	0			The overall size of Chair shall be : width 600 +/-5mm, depth 640 +/-5mm. Total height 1170 to 1270 +/-5 mm, Back Width 425 mm at Top and 500mm at bottom, Seat Width 500 +/-5 mm, Seat Depth 470+/-5 mm and Seat height 470mm to 570 mm +/-5mm range. Seat made up of foam pre moulded at 55 kg/m3 density. hardness of 25+ 3kgf at 50% deflection conforming to IS 3400. Seat shall be uplhostered with micro fabric 100% polyster 180 GSM abrasion > 50000 cycles. Fire rated fabric confirming to BS EN 1021 (match) should be used. The chair shall be supplied with Mesh Back rest. The back frame shall be made up of Injection molded PPGF 20%. PU Adjustable Lumbar Support full length of size 365 mm, 110 mm height and 25mm thickness. The Chair should be provided with Self Calibrating Multilock Mechanism that should adjust the tension of the back sensing weight of the user. The mechanism shall allow 360 degree revolving feature along with height adjustablility. One Way Adjustable Arms (Height) to be provied with height adjustment button of size 73mm x 18mm made of Delrin P 500. The mechansim shall possess seat to back recline ratio of 3:7. The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. Nylon base shall be provided.Twin castors 50 mm dia with PA6 material complying to ANSI/ BIFMA X 5.1 2017 standards. The base shall be 660 mm PCD (26 inches) five pronged bases made up of PA6, 30% glass filled reinforced with bottom ribbing for additional buttress and strength.Tolerance of +/- 5mm to be considered for product sizes i.e Length, Depth & height and tolerance of 5% to be considered in pipe thickness & Pipe sizes. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.	0.00		
9.1.2.2	CCS34			MC4-LOW BACK CHAIRS - SERIES 2	28.00	No.	
	0			The overall size of Chair shall be width 600 +/-5mm, depth 640 +/-5mm. Total height shall be 995 to 1095 +/-5 mm, Back Width 425 mm at Top and 500mm at bottom, Seat Width 500 +/-5 mm, Seat Depth 460+/-5 mm and Seat height 470mm to 570 mm +/-5mm range. Seat shall be made up of foam pre moulded at 55 kg/m3 density. hardness of 25+ 3kgf at 50% deflection conforming to IS 3400. Seat shall be uplhostered with micro fabric 100% polyster 180 GSM abrasion > 50000 cycles. Fire rated fabric confirming to BS EN 1021 (match) should be used. The chair shall be supplied with cushion at the back. The back frame shall be made up of Injection molded PPGF 20% shade, armest support also in light grey shade. Adjustable Lumbar Support made up of PU having size 365 mm x 110 mm x 25mm thick shall be provided for better comfort. The Chair should be provided with Self Calibrating Multilock Mechanism (Bio Snchyro mechansim) that should adjust the tension of the back sensing weight of the user. The mechanism shall allow 360 degree revolving feature along with height adjustablility. The Chair shall have seat slide mechanism. One Way Adjustable Arms (Height) to be provied with height adjustment button made of Delrin P 500. The mechansim shall possess seat to back recline ratio of 3:7. The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. Nylon base shall be provided.Twin castors 50 mm dia with PA6 material complying to ANSI/ BIFMA X 5.1 2017 standards. The base shall be 660 mm PCD (26 inches) five pronged bases made up of PA6, 30% glass filled reinforced with bottom ribbing for additional buttress and strength. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.2.2.1	CCS34			MC5-MID BACK VISITOR CHAIRS - SERIES 2	171.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	0			Visitor Chair having back height of 490 mm from seat level and width of 460 mm from top & 520 from mid (lumbar) level. seat width shall be 520 mm measured at centre of the seat. Seat height shall range between 430 mm to 520 mm. Armest shall be finished with foam & leatherite on the top & the structure of the armrest shall a die cast aluminium with buffed finish & fixed with the seat below. The length of the top of the arm shall be 250 mm & width of 60 mm. Seat should be made up of foam pre moulded at 55 kg/m3 density. hardness of 25+ 3kgf at 50% deflection conforming to IS 3400. Seat, back & headrest shall be upholstered with Leatherette 75% PVC & 25% polyester – 640 GSM, Abrasion-100000 cycles over PU faom. The Frame shall be made out of ERW tubes with 25 mm diameter and 2.5 mm thickness pipe conforming to IS – 4923. Frame shall be welded by CO2 welding process for uniform finish conforming to IS 816. understructure shall connected with 4nos injuction ABS leg shoes. Understructure shall supplied with chorme finish.Tolerance of +/- 5mm to be considered for product sizes i.e Length, Depth & height and tolerance of 5% to be considered in pipe thickness & Pipe sizes.The OEM shall have ISO 9001, ISO 14001, Bifma Level 2, Green Guard by UL, India Design Mark & IGBC Gold rated factory certification. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.2.2.2	0			MC6-MID BACK VISITOR CHAIRS - SERIES 2 Leather	96.00	No.	
	0			The overall size of Dimensions: Medium back : Back width : 490mm , Total height : 935 to 1035 mm, Back height- 550 mm. Seat width : 490 mm, Seat depth : 480 mm, Seat height : 455 to 555 mm. Arms & back: It shall be molded shell with MS frame and upholstered with leatherette. Leatherette upholstery: Shell shall be upholstered with 75% PVC & 25% polyester – 640 GSM, Abrasion-100000 cycles. Foam: Cushion with pre moulded foam of 65 kg/m3 density in the shape of the mold. Hardness – 22 ± 3 kgf. Seat: upholstery : Seat shall beupholstered with leatherette. Leatherette upholstery: Shell shall be upholstered with 75% PVC & 25% polyester – 640 GSM, Abrasion- 100000 cycles Foam: Cushion with pre moulded foam of 65 kg/m3 density in the shape of plywood. Hardness – 18 ± 3 kgf. Ply wood: 12 mm thick with 9 ply. It shall behot pressed ply - conforming to shall be303. The plywood shall befitted with metal "T" nut to have metal to metal contact for the hardware used for fixing the mechanism. Thshall betechnology ensures long and efficient and safe functioning of the chair without any shake and play in the long run. The seat profile shall bedesigned with water fall to provide necessary comfort in popliteal region. Mechanism: Synchro tilt Mechanism – NBA 005 mechanism offered in Multi lock features. Thshall be mechanism shall be manufactured out of cold Rolled Carbon Steel shall be 513-1994 Sheets, the steel components are manufactured with highly precision tools for accuracy in matching other parts for smooth functioning. The taper angle should match with the taper angle of gas lift swaging-- 1°26'16".Gas lift: : Single swage Class 4 tested -ANSI BIFMA performance standards. The pneumatic height adjustment has an adjustment stroke of 95 -100 mm as per the seat height criteria and 360° revolving. Base: The 660mm PCD (26 inches) five pronged base shall be made out of Aluminium. The base Outer diameter shall be 750 mm with casters.Casters : Twin Casters 60mm dia with Nylon material complying to ANSI / BIFMA X 5.1 – 2017 standards. The axle pin shall be rust protected. Zinc passivated. The pin shall be			
9.1.2.2.3	0			MC7-HIGH BACK CHAIRS - SERIES 2	21.00	No.	
	0			High back Chair having overall height 1200-1300mm, back height of 790 mm from seat level and width of 460 mm from top & 520 from mid (lumbar) level. Seat Depth shall be 490 mm and adjustable upto 530mm. seat width shall be 520 mm measured at centre of the seat. Seat height shall range between 430 mm to 520 mm. Armest shall be finished with foam & leatherite on the top & the structure of the armrest shall a die cast aluminium with buffed finish & fixed with the seat below. The length of the top of the arm shall be 250 mm & width of 60 mm. Seat should be made up of foam pre moulded at 55 kg/m3 density. hardness of 25+ 3kgf at 50% deflection conforming to IS 3400. Seat, back & headrest shall be upholstered with Leatherette 75% PVC & 25% polyester – 640 GSM, Abrasion-100000 cycles over PU faom. The synchro mechanism shall be provided having 3 position multilocking & seat adjustable on the left hand side and height adjustment on the right hand side of the user.The mechanism shall allow 360 degree revolving feature along with height adjustablility. Aluminium die cast pedestal having length 5 twin 60 mm wheel castors heavy duty shall be provided. The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. tolerance of 25mm for seat & back size to be considered. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.2.2.4	0			MC8-HIGH BACK CHAIRS - SERIES 2 Leather	4.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	0			The overall size of High back shall be : Back width : 480mm , Total height : 1150 to 1250 mm, Back height- 755 mm. Seat width : 490 mm, Seat depth : 480 mm, Seat height : 455 to 555 mm. Arms & back: It shall bea molded shell with MS frame and upholstered with leatherette. Leatherette upholstery: Shell shall be upholstered with 75% PVC & 25% polyester – 640 GSM, Abrasion- 100000 cycles. Foam: Cushion with pre moulded foam of 65 kg/m3 density in the shape of the mold. Hardness – 22 ± 3 kgf. Seat: upholstery : Seat shall beupholstered with leatherette. Leatherette upholstery: Shell shall be upholstered with 75% PVC & 25% polyester – 640 GSM, Abrasion- 100000 cycles Foam: Cushion with pre moulded foam of 65 kg/m3 density in the shape of plywood. Hardness – 18 ± 3 kgf. Ply wood: 12 mm thick with 9 ply. It shall behot pressed ply - conforming to shall be303. The plywood shall befitted with metal "T" nut to have metal to metal contact for the hardware used for fixing the mechanism. Thshall betechnology ensures long and efficient and safe functioning of the chair without any shake and play in the long run. The seat profile shall bedesigned with water fall to provide necessary comfort in popliteal region.Mechanism: Synchro tilt Mechanism – NBA 005 mechanism offered in Multi lock features. Thshall be mechanism shall be manufactured out of cold Rolled Carbon Steel shall be 513-1994 Sheets, the steel components are manufactured with highly precision tools for accuracy in matching other parts for smooth functioning. The taper angle should match with the taper angle of gas lift swaging-- 1°26'16".Gas lift: : Single swage Class 4 tested -ANSI BIFMA performance standards. The pneumatic height adjustment has an adjustment stroke of 95 -100 mm as per the seat height criteria and 360° revolving.Base: The 660mm PCD (26 inches) five pronged base shall be made out of Aluminium. The base Outer diameter shall be 750 mm with casters.Casters : Twin Casters 60mm dia with Nylon material complying to ANSI / BIFMA X 5.1 – 2017 standards. The axle pin shall be rust protected. Zinc passivated. The pin shall be			
9.1.2.3	0			MC9-LOW BACK CHAIRS - SERIES 3	29.00	No.	
	0			The overall size of Chair shall be width 600 +/-5mm, depth 640 +/-5mm. Total height shall be 995 to 1095 +/-5 mm, Back Width 425 mm at Top and 500mm at bottom, Seat Width 500 +/-5 mm, Seat Depth 460+/-5 mm and Seat height 470mm to 570 mm +/-5mm range. Seat shall be made up of foam pre moulded at 55 kg/m3 density. hardness of 25+ 3kgf at 50% deflection conforming to IS 3400. Seat shall be uplhostered with micro fabric 100% polyster 180 GSM abrasion > 50000 cycles. Fire rated fabric confirming to BS EN 1021 (match) should be used. The chair shall be supplied with cushion at the back. The back frame shall be made up of Injection molded PPGF 20% shade, armest support also in light grey shade. Adjustable Lumbar Support made up of PU having size 365 mm x 110 mm x 25mm thick shall be provided for better comfort. The Chair should be provided with Self Calibrating Multilock Mechanism (Bio Snchyro mechansim) that should adjust the tension of the back sensing weight of the user. The mechanism shall allow 360 degree revolving feature along with height adjustablility. The Chair shall have seat slide mechanism. One Way Adjustable Arms (Height) to be provied with height adjustment button made of Delrin P 500. The mechansim shall possess seat to back recline ratio of 3:7. The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. Nylon base shall be provided.Twin castors 50 mm dia with PA6 material complying to ANSI/ BIFMA X 5.1 2017 standards. The base shall be 660 mm PCD (26 inches) five pronged bases made up of PA6, 30% glass filled reinforced with bottom ribbing for additional buttress and strength. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.2.3.1	0			MC10-MID BACK CHAIRS - SERIES 3	44.00	No.	
	0			The overall size of Dimensions: Medium back : Back width : 490mm , Total height : 935 to 1035 mm, Back height- 550 mm. Seat width : 490 mm, Seat depth : 480 mm, Seat height : 455 to 555 mm. Arms & back: It shall be molded shell with MS frame and upholstered with leatherette. Leatherette upholstery: Shell shall be upholstered with 75% PVC & 25% polyester – 640 GSM, Abrasion-100000 cycles. Foam: Cushion with pre moulded foam of 65 kg/m3 density in the shape of the mold. Hardness – 22 ± 3 kgf. Seat: upholstery : Seat shall beupholstered with leatherette. Leatherette upholstery: Shell shall be upholstered with 75% PVC & 25% polyester – 640 GSM, Abrasion- 100000 cycles Foam: Cushion with pre moulded foam of 65 kg/m3 density in the shape of plywood. Hardness – 18 ± 3 kgf. Ply wood: 12 mm thick with 9 ply. It shall behot pressed ply - conforming to shall be303. The plywood shall befitted with metal "T" nut to have metal to metal contact for the hardware used for fixing the mechanism. Thshall betechnology ensures long and efficient and safe functioning of the chair without any shake and play in the long run. The seat profile shall bedesigned with water fall to provide necessary comfort in popliteal region. Mechanism: Synchro tilt Mechanism – NBA 005 mechanism offered in Multi lock features. Thshall be mechanism shall be manufactured out of cold Rolled Carbon Steel shall be 513-1994 Sheets, the steel components are manufactured with highly precision tools for accuracy in matching other parts for smooth functioning. The taper angle should match with the taper angle of gas lift swaging-- 1°26'16".Gas lift: : Single swage Class 4 tested -ANSI BIFMA performance standards. The pneumatic height adjustment has an adjustment stroke of 95 -100 mm as per the seat height criteria and 360° revolving. Base: The 660mm PCD (26 inches) five pronged base shall be made out of Aluminium. The base Outer diameter shall be 750 mm with casters.Casters : Twin Casters 60mm dia with Nylon material complying to ANSI / BIFMA X 5.1 – 2017 standards. The axle pin shall be rust protected. Zinc passivated. The pin shall be			
9.1.2.3.2	0			MC11-MID BACK VISITOR CHAIRS - SERIES 3 WOODEN	32.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	0			The overall size of the chair shall be 520WX540DX450/760H. Seat shall be upholstered over 16 mm thick ply with 40/32 density pu foam, High quality fabric shall be used in seat upholstery. Seat size shall be 450WX460DX40MM Thick. Back shall be made up of solidwood of size 460LX110H with 30mm of thickness. Back height shall be comes of 330mm from the seat. Understructure: Solid wood Polished understructure shall be provided with the size of front and Back width at bottom 520mm and the side length at bottom shall be 520mm. Legs handle and Back shall be comes with 30mm thick solid wood. All the legs comes with tapered design with top width of 50mm and bottom width shall be 35mm. supporting beam also shall be come up with 30mm of thickness. All the Legs and the supporting members shall be joints with help of mortise and tenon joint. Complete under structure shall have comes with polish. pvc leg bush shall be provided at the bottom. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.2.3.3	0			MC12-HIGH BACK VISITOR CHAIRS - SERIES 3	5.00	No.	
	0			The overall size of chair shall be, Overall height- 1300mm to 1380mm (+/- 5mm), seat depth 510mm(+/- 5mm) and seat width 450mm(+/- 5mm). The chair height shall be 500mm to 560mm(+/- 5mm). The chair shall be upholster with pure leather. The chair shall have 2D headrest with height & angle adjustment. The chair shall have height adjustable backrest with tension adjustable 6D flexible lumbar support. The chair shall have Floating drift recline mechanism with glass fiber offers more smooth tilt & effective recline tension adjustment. The chair shall have Single lever control for seat height, seat depth, back recline (segment locking) adjustments. The chair shall have 5D armrest with arm angle, height, depth, width and tilt-up adjustments. The Chair should be allowing 360 degree revolving movement along with height adjustablility & tilt tension.The Gas Lift used shall be class 4 tested as per ANSI BIFMA standards. Aluminium die cast pedestal having length of prongs 310 mm with 50 mm height towards centre & 25 mm height outside. High Quality leather in beige or black to be suppiled. Twin wheel castors to be provided. Tolerance of +/- 5mm to be considered for product sizes i.e Length, Depth & height and tolerance of 10% to be considered in pipe thickness & Pipe sizesThe OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3	0			Agile Furniture BOQ			
9.1.3.1	CCS34			Sofa 1 Seater -AF 2	38.00	No.	
	0			Supply, delivery and installation of Single Seater Sofa : Overall size shall be 820 mm W x 975 mm D x 820 mm H. Sofa inner frame structure shall be made from the combination of treated solid wood and plywood having high quality webbing belts to ensure good strength, rigidity & stable construction to offer high durability. There shall be extra padding between the armrest & the seat on both sides for better comfort & polyfilled in arms & backrest. The polyurethane (PU) foam shall be used in Seat & back rest having 40 density and 32 density respectively. Seat to backrest angle should be ergonomically designed to offer the best seating comfort. Seat height shall be normally between 16 to 18 inches and depth shall be between 20-22 inches. Sofa shall be elevated from ground by about 3 inches using Golden finished metal legs creating provision for easy cleaning & better look. Upholstery shall be of high quality Leatherite offer the best feel & comfort. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.2	CCS34			Sofa 2 Seater -AF 3	1.00	No.	
.	0			Supply, delivery and installation of Two Seater Sofa : Overall size shall be 1610 mm W x 975 mm D x 820 mm H. Sofa inner frame structure shall be made from the combination of treated solid wood and plywood having high quality webbing belts to ensure good strength, rigidity & stable construction to offer high durability. There shall be extra padding between the armrest & the seat on both sides for better comfort & polyfilled in arms & backrest. The polyurethane (PU) foam shall be used in Seat & back rest having 40 density and 32 density respectively. Seat to backrest angle should be ergonomically designed to offer the best seating comfort. Seat height shall be normally between 16 to 18 inches and depth shall be between 20-22 inches. Sofa shall be elevated from ground by about 3 inches using Golden finished metal legs creating provision for easy cleaning & better look. Upholstery shall be of high quality Leatherite offer the best feel & comfort. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.3	CCS34			Sofa 3 Seater -AF 4	32.00	No.	
	0			Supply, delivery and installation of 3 Seater Sofa : Overall size shall be 2020 mm W x 975 mm D x 820 mm H. Sofa inner frame structure shall be made from the combination of treated solid wood and plywood having high quality webbing belts to ensure good strength, rigidity & stable construction to offer high durability. There shall be extra padding between the armrest & the seat on both sides for better comfort & polyfilled in arms & backrest. The polyurethane (PU) foam shall be used in Seat & back rest having 40 density and 32 density respectively. Seat to backrest angle should be ergonomically designed to offer the best seating comfort. Seat height shall be normally between 16 to 18 inches and depth shall be between 20-22 inches. Sofa shall be elevated from ground by about 3 inches using Golden finished metal legs creating provision for easy cleaning & better look. Upholstery shall be of high quality Leatherite offer the best feel & comfort. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.4	CCS34			Center Table -AF 6	13.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	0			Supply, delivery and installation of chairs Centre table Size The overall size of table shall be 1200 x 600 x 425mm (LDH). The table top shall provided 4mm thick clear glass.The understructure shall be made up of 25mm thick Stainless steel 202 (SS) round pipe with meatlic leverller. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.5	CCS34			Corner Table -AF 7	103.00	No.	
	0			Supply, delivery and installation of The overall size of table shall be 600 x 600 x 500mm (LDH). The table top shall provided 4mm thick clear glass.The understructure shall be made up of 25mm thick Stainless steel 202 (SS) round pipe with meatlic leverller. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.6	CCS34			Pisa Center Table -AF 8	8.00	No.	
	0			Supply, delivery and installation of Centre table Size The overall size of table shall be 1200 x 600 x 425mm (LDH). The table top shall provided 4mm thick clear glass.The understructure shall be made up of 25mm thick Stainless steel 202 (SS) round pipe with meatlic leverller. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.7	CCS34			Sofa 2 Seater -AF 9	25.00	No.	
	0			Supply, delivery and installation of 2 Seater Sofa : Overall size shall be 1610 mm W x 1000 mm D x 880 mm H. Sofa inner frame structure shall be made from the combination of treated solid wood and plywood having high quality webbing belts to ensure good strength, rigidity & stable construction to offer high durability. There shall be extra padding between the armrest & the seat on both sides for better comfort & polyfilled in arms & backrest. The polyurethane (PU) foam shall be used in Seat & back rest having 40 density and 32 density respectively. Seat to backrest angle should be ergonomically designed to offer the best seating comfort. Seat height shall be normally between 16 to 18 inches and depth shall be between 20-22 inches. The sofa shall have solid wooden leg. Upholstery shall be of high quality Leatherite offer the best feel & comfort. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.8	CCS34			Coasta Chair -AF 10	20.00	No.	
	0			Supply, delivery and installation of chair of overall size of chair shall be total width 620mm, total depth 600mm and total height 800mm.Back width at bottom shall be 520mm, Back height from seat shall be 390 mm. Seat width 440 mm, Seat depth 450 mm and Seat height 445 mm. The Frame shall be made out of rectangular tube 40X20X2mm & circular tube 32 mm swaged to 19 mm & 1.6 mm thickness. Frame shall welded by CO2 welding process for uniform finsh. Frame leg shall be fitted with Molded LDPE bushes. It shall have molded shell upholstered with fabric. Fire rated of fabric confirming to BS EN 1021(match), IS 15061-2002 is optional. seat shall be provided with top cushion for good comfort. Cushion with pre moulded foam of 50 kg/m3 density & Hardness 29 to 31 kgf at 50% deflection. Powder coat shall be done with black color to provide an attractive finshall h. The powder coating pre-treatment shall be carried out with three in one chemical. After pre-treatment process, the components are powder coated for better adhesion of paint. The frames shall powder coated with epoxy polyester powder to the thickness of 40-60 microns as per shall 101 and oven baked at 180°. Product undergoes the following testing process for durability and functionality, cross cut test for ensuring adhesion of powder coating as per shall 13871. Powder coated products shall be durable & reduce the rshall k of scratches, chipping, abrasions, corrosion, fading and other wear shall sues. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.9	CCS34			Sofa 3 Seater -AF 11	6.00	No.	
	0			Supply, delivery and installation of 3 Seater Sofa : Overall size shall be 2020 mm W x 975 mm D x 820 mm H. Sofa inner frame structure shall be made from the combination of treated solid wood and plywood having high quality webbing belts to ensure good strength, rigidity & stable construction to offer high durability. There shall be extra padding between the armrest & the seat on both sides for better comfort & polyfilled in arms & backrest. The polyurethane (PU) foam shall be used in Seat & back rest having 40 density and 32 density respectively. Seat to backrest angle should be ergonomically designed to offer the best seating comfort. Seat height shall be normally between 16 to 18 inches and depth shall be between 20-22 inches. Sofa shall be elevated from ground by about 3 inches using Golden finished metal legs creating provision for easy cleaning & better look. Upholstery shall be of high quality Leatherite offer the best feel & comfort. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.10	CCS34			Sofa 2 Seater -AF 12	8.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	0			Supply, delivery and installation of Two Seater Sofa : Overall size shall be 1610 mm W x 975 mm D x 820 mm H. Sofa inner frame structure shall be made from the combination of treated solid wood and plywood having high quality webbing belts to ensure good strength, rigidity & stable construction to offer high durability. There shall be extra padding between the armrest & the seat on both sides for better comfort & polyfilled in arms & backrest. The polyurethane (PU) foam shall be used in Seat & back rest having 40 density and 32 density respectively. Seat to backrest angle should be ergonomically designed to offer the best seating comfort. Seat height shall be normally between 16 to 18 inches and depth shall be between 20-22 inches. Sofa shall be elevated from ground by about 3 inches using Golden finished metal legs creating provision for easy cleaning & better look. Upholstery shall be of high quality Leatherite offer the best feel & comfort. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.11	CCS34			Corner Table -AF13	4.00	No.	
	0			Supply, delivery and installation of table The overall size of table shall be 600 x 600 x 500mm (LDH). The table top shall provided 4mm thick clear glass.The understructure shall be made up of 25mm thick Stainless steel 202 (SS) round pipe with meatlic leverller. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.12	CCS34			3 seater without side tabl -AF 14	109.00	No.	
	0			Supply, delivery and installation of 3 Seater Bench The overall size of Three seater shall be 1900 L x 650D x 830H. Per seat size shall be, Seat - 450 mm in depth, width 550mm, Back width - 540mm, back height- 470 mm.The chair total height shall be measures 830 mm & Seat height shall be measures 485 mm from the floor. It shall be designed ergonomically to provide comfort to the user.The Frame shall be made out of ERW tubes- Cross bar 50 mm diameter with 1.8 mm thickness, seating frame side tube shall be 15mm diameter and 1.8 mm thickness and weld on CRCA perforated sheet of thickness of 1.5mm thick. Side tubes shall be 50mm diameter and 3mm thickness. ERW tubes conforming to IS – 4923. Bench Arm shall have Oval tube shall be fabricated with 48mm length X 20mm width X 1.8mm thickness. ERW tubes conforming to IS – 4923. Frame is welded by CO2 welding process for uniform finish conforming to IS 816. Frame shall be powder coated to provide an attractive finish.The powder coating undergoes 7 step rust resistance pre treatment process viz degreasing, pickling as per IS standard. After pre treatment process, the components shall NANO coated and passified for better adhesion of paint as per IS 3618 - 2016. The pacified components shall be powder coated with epoxy polyester powder to the thickness of 50-80 microns as per IS 101 and oven baked at 180 degrees for getting the scratch resistance finish.			
9.1.3.13	CCS34			Center Table -AF 15	12.00	No.	
	0			Supply, delivery and installation of Centre table Size The overall size of table shall be 1200 x 600 x 425mm (LDH). The table top shall provided 4mm thick clear glass.The understructure shall be made up of 25mm thick Stainless steel 202 (SS) round pipe with meatlic leverller. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.14	CCS34			Sofa 1 Seater -AF 18	9.00	No.	
	0			Supply, delivery and installation of Single Seater Sofa : Overall size shall be 820 mm W x 975 mm D x 820 mm H. Sofa inner frame structure shall be made from the combination of treated solid wood and plywood having high quality webbing belts to ensure good strength, rigidity & stable construction to offer high durability. There shall be extra padding between the armrest & the seat on both sides for better comfort & polyfilled in arms & backrest. The polyurethane (PU) foam shall be used in Seat & back rest having 40 density and 32 density respectively. Seat to backrest angle should be ergonomically designed to offer the best seating comfort. Seat height shall be normally between 16 to 18 inches and depth shall be between 20-22 inches. Sofa shall be elevated from ground by about 3 inches using Golden finished metal legs creating provision for easy cleaning & better look. Upholstery shall be of high quality Leatherite offer the best feel & comfort. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.15	CCS34			1734 W x 1175 D x 750 H . -AF 21	22.00	No.	
	0			Supply, delivery and installation of table Overall size of table shall be of size 1800 L x 1200D x 750 H (mm). The worksurface of the table shall be made up of 18mm thick MDF. Understructure shall be supported on CRCA MS powder coated angular legs of cross section 40 x 40 x 1.6mm thick and horizontal beam made up of 40 x 20 x 1.2 mm thick. Vertical Legs shall be connected with horizontal beam through aluminium die cast connectors having opening of 40 x 40 on the vertical side & 40 x 20 on the horizontal side to accomodate connection of Leg & horizontal frame. Connector shall be L shaped having angle of 10 degree. Cross beam of section 40 x 20 shall be fixed below the table table ont he horizontal frame using aluminium die cast connector for better strength. Understructure shall powder coated upto 40 to 60microns. Tolerance of +/- 5mm to be considered for dimensions Length, Depth & height and tolerance of 5% to be considered in thickness. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.16	CCS34			Café Pod - Café Pod size : 900 W x 900 D x 750 H . -AF22	15.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	0			Supplying & placing cafe table with an overall size 900 X 900 X 750. The top of the table shall be made 18mm thick PrelamHydroshield Top. The profile shall be in square shape. The top shall be supported on MS powder coated 2mm thick sheet. The table under structure shall be made up of SS grade 202 base pole leg having size 60mm X 60mm with 1.2mm thick. The base plate shall be SS 202 grade base having size 460mm X 460mm. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.16.1	0			Cafe table with crome with ISO top 1800 x 900 x 750 MATERIAL MS CHROME PLATED WITH LEGS AND Isotop, is a new technology table top series with elegant to look at, sports a creative finish, requires minimum maintenance & is available in 3 shapes and 2 shades.Table top is resistant to heat, water, stains, scratches & cigarette burns.	8.00	No.	
9.1.3.16.2	0			Cafe table with crome with ISO top 1200 x 900 x 750 MATERIAL MS CHROME PLATED WITH LEGS AND Isotop, is a new technology table top series with elegant to look at, sports a creative finish, requires minimum maintenance & is available in 3 shapes and 2 shades.Table top is resistant to heat, water, stains, scratches & cigarette burns.	10.00	No.	
9.1.3.16.3	0			Cafe table with crome with ISO top Dia 900 x 750 MATERIAL MS CHROME PLATED WITH LEGS AND Isotop, is a new technology table top series with elegant to look at, sports a creative finish, requires minimum maintenance & is available in 3 shapes and 2 shades.Table top is resistant to heat, water, stains, scratches & cigarette burns.	20.00	No.	
9.1.3.16.4	0			EXECUTIVE DINING - CENTRAL CHAIR - The overall size fo the Lounge Chair shall be 480WX575DX790H. The Lounge chair shall be comes with Single Moulded Foam design. Chair comes without arms with curved back which is fixed with upholstered seat. The height of the seat 470mm from the ground, seat width shall be 480mm and the Depth of the seat shall be 440mm, Similarly the back width shall be 390mm at bottom and the same width at top . The Height shall be 370mm from the seat. The chair seat and backrest shall be made up of single Foam moulded design. The seat & back shall be made up of PU molded foam with desired support structure and upholstered with fine fabric , The fabric used for upholstery is 450 glm, has abrasion resistance more than 50K rubs, colour fastness to light better than 5, colour fastness to rubbing 4-5, high quality polyester fabric to offer the best feel & comfort. The Moulded shell comes with back thickness of around 30-35mm and the seat comes with around 110mm of thickness. The legs of the chair shall be made up of Wooden round tapered shape. base comes with Indivisual 4 legs of size upper Ø40mm and the bottom Ø25mm.This Tapered leg design aesthetically appealing. The legs shall be joined with Metal bracket which is fixed inside the shell. Wooden Tapered Legs come with threaded studs. Threaded stud to be tightened with the bracket. Wooden Legs shall have made up of with polish. Leg bush shall be provided.	10.00	No.	
9.1.3.16.5	0			EXECUTIVE DINING -SOFA - two sofa without arms 1200L x 725D x 860mm H Sofa inner frame structure is made from the combination of treated solid wood (Neem / Pine wood) and plywood, also webbing belts are used to have good strength, rigidity & stable construction to offer best durability. The polyurethane (PU) foam used in Seat & back rest are of 40 density and 32 density respectively Seat to backrest angle is ergonomically designed to offer the best seating comfort Seat height is normally between 17 to 18 inches and depth is 20-22 inches. Sofa is elevated from ground by about 3 inches using metal powder coated legs, which creates provision for easy cleaning at the same time offers floating look. The fabric used for upholstery is 450 glm, has abrasion resistance more than 50K rubs, colour fastness to light better than 5, colour fastness to rubbing 4-5, high quality polyester fabric to offer the best feel & comfort. Fabric to be selected from premium Genesis fabrics range. Meeting pod sizes and Sofa sizes can be customised based on requirement and one to one discussion, case to case basis.	10.00	No.	
9.1.3.16.6	0			VISITOR CHAIRS FOR LOBBY The overall size of 3 seater waiting chair shall be 1810L x 630D x 860H. Each individual seat shall be about 33-35mm thick on borders & 520mm wide. Normal gap in-between two seats is 65-70mm. Seat height & Arm rest height from floor is about 430mm & 625mm respectively. Seat and Backrest together a One piece / single unit from Polyurethane Integral Foam, with a density of 350-400kg/m³ with a shore hardness of 65-75HA, a strong & robust seat that comes with inbuilt structure formed by steel frame. Both the Leg & Arm Rests shall be made of high pressure Aluminium die casted material of ADC-12 grade conforming to ASTM E 1251- 2011, IS 7658-1990 & IS 11035 – 1190. For chemical composition and IS 1608 – 2005 for UTS & Ys. Legs shall be fitted with height adjustable anti-skid glides or levelers that shall injection moulded in Nylon, an engineering plastic material, comes in black color. Height can be adjusted upto 25mm based on floor undulations. The support Beam is a load bearing element & hence designed in a unique Triangular shape. It shall have an Aluminium extrusion profile with 2-3mm thick walls offering a strong structural support. The size of the beam shall be 110 x 110 x 171mm. Seats shall directly fixed onto the Beam. The Aluminum extrusion, die cast parts & metal parts shall come with powder coated finish, with uniform powder coating thickness of 50–60-micron thickness. Product shall comes in knock down packing. The design takes care of easy & quick installation. All hardware are of high grade steel and shall be zinc blue passivated.	9.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
9.1.3.16.7	0			VISITOR CHAIRS FOR LOBBY The overall size of 2 seater waiting chair shall be 1225mm L x 630mm D x 860mm H. Each individual seat shall be about 33-35mm thick on borders & 520mm wide. Normal gap in-between two seats is 65-70mm. Seat height & Arm rest height from floor is about 430mm & 625mm respectively. Seat and Backrest together a One piece / single unit from Polyurethane Integral Foam, with a density of 350-400kg/m³ with a shore hardness of 65-75HA, a strong & robust seat that comes with inbuilt structure formed by steel frame. Both the Leg & Arm Rests shall be made of high pressure Aluminium die casted material of ADC-12 grade conforming to ASTM E 1251- 2011, IS 7658-1990 & IS 11035 – 1190. For chemical composition and IS 1608 – 2005 for UTS & Ys. Legs shall be fitted with height adjustable anti-skid glides or levelers that shall injection moulded in Nylon, an engineering plastic material, comes in black color. Height can be adjusted upto 25mm based on floor undulations. The support Beam is a load bearing element & hence designed in a unique Triangular shape. It shall have an Aluminium extrusion profile with 2-3mm thick walls offering a strong structural support. The size of the beam shall be 110 x 110 x 171mm. Seats shall directly fixed onto the Beam. The Aluminum extrusion, die cast parts & metal parts shall come with powder coated finish, with uniform powder coating thickness of 50–60-micron thickness. Product shall comes in knock down packing. The design takes care of easy & quick installation. All hardware are of high grade steel and shall be zinc blue passivated.	9.00	No.	
9.1.3.16.7	0			ARM CHAIR (ARCTIC)- MALE FEMALE LOUNGE CHAIR - The overall size fo the Lounge Chair shall be 760WX650DX820H. The Lounge chair shall be comes with Conical shape design. The height of the seat level from the ground shall be approximate 465mm, seat width shall be 760mm and the Depth of the seat shall be 480mm, Similarly the back width shall be 350mm at bottom and 500mm at top and its increasing countiniously because of its circular shape. The chair seat, back & armrest shall be made up of integrated round design. The seat, back & armrest shall be made up of PU molded foam with desired support structure and upholstered with fine fabric , The fabric used for upholstery is 450 glm, has abrasion resistance more than 50K rubs, colour fastness to light better than 5, colour fastness to rubbing 4-5, high quality polyester fabric to offer the best feel & comfort. The Overall thickness of the circular structure shall be 60mm. Seat comes with extra cushion padding of thickness 70mm. The understructure of the chair shall be made up of ERW round tapered 4 legs of size upper Ø32mm and the bottom Ø20mm.This Tapered leg design aesthetically appealing. The legs shall be joined with each other with the help of the ERW rectangular Tube of size 40x20mm for better durability on which the seat & back shell is fixed. Leg shoe shall be provided.Understructure shall powder coated upto 40 to 60microns.	24.00	No.	
9.1.3.16.8	0			CENTER TABLE (GLAMOUR)- MALE FEMALE LOUNGE CHAIR The overall size fo the Lounge Chair shall be 760WX650DX820H. The Lounge chair shall be comes with Conical shape design. The height of the seat level from the ground shall be approximate 465mm, seat width shall be 760mm and the Depth of the seat shall be 480mm, Similarly the back width shall be 350mm at bottom and 500mm at top and its increasing countiniously because of its circular shape. The chair seat, back & armrest shall be made up of integrated round design. The seat, back & armrest shall be made up of PU molded foam with desired support structure and upholstered with fine fabric , The fabric used for upholstery is 450 glm, has abrasion resistance more than 50K rubs, colour fastness to light better than 5, colour fastness to rubbing 4-5, high quality polyester fabric to offer the best feel & comfort. The Overall thickness of the circular structure shall be 60mm. Seat comes with extra cushion padding of thickness 70mm. The understructure of the chair shall be made up of ERW round tapered 4 legs of size upper Ø32mm and the bottom Ø20mm.This Tapered leg design aesthetically appealing. The legs shall be joined with each other with the help of the ERW rectangular Tube of size 40x20mm for better durability on which the seat & back shell is fixed. Leg shoe shall be provided.Understructure shall powder coated upto 40 to 60microns.	6.00	No.	
9.1.3.16.9	0			CAFÉ CHAIR- GENERAL - LEAF The chair shall have minimum overall dimensions of 490 mm in width, 480 mm in depth, and 800 mm in height. The seat and backrest shall be made from a single piece of injection-molded PPGF 20% material. The seat width will be 450 mm near the back and 390 mm at the front, creating a tapered appearance, with a waterfall edge at the front. The seat depth shall be 390 mm, and the junction between the seat and back shall feature a radius to provide enhanced lumbar support. The backrest will have a width of 450 mm near the seat and 360 mm at the top, with a minimum height of 360 mm from the seat. The thickness of the seat and back shell shall be 8 mm ± 0.25 mm. The understructure will consist of loop legs made from 12 mm thick mild steel (MS) rods, conforming to IS 7887 standards. The loop legs shall be interconnected by an MS bar plate (25 mm x 5 mm), located beneath the chair shell. Each bar plate will be equipped with holes for securely attaching the chair shell to the understructure. Injection-molded polycarbonate leg shoes will be fitted to the understructure to provide additional stability and protect the floor surface. The seat assembly will feature silicone bushings to ensure smooth, scratch-free stacking. The entire understructure will be powder-coated, with a finish thickness of 40 to 60 microns, ensuring long-lasting durability and a high-quality appearance.	152.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
9.1.3.16.10	0			LOCKER IN MEDICAL ROOM -2 DOOR AND PATRAKAR ROOM -4 DOOR 4 Door Locker Cabinets for Library Overall Size : 380 x 450 x 1850 (WDH)mm. Manufacturing and supplying of 4 door Locker Unit made of 100% virgin Epoxy Powder Coated CRCA confirming to shall : 513 CR2 (Cold Reduced Carbon Steel Sheets & Strips (Part 1), 2016. Complete material should passes through 7 stage, based Pre-treatment plant prior to powder coating, making it highly corrosive resshall tant. Construction shall be welded from complete 0.6 mm thick CRCA sheet. Each Compartment Shelf shall have uniformly dshall tributed load capacity per shelf shall 35 kg. Cam lock shall be provided with recessed handle.	16.00	No.	
9.1.3.16.11	0			HIRKANI KAKSH - The overall size of Lounge Chair shall be comes with 710mm width, 800mm depth with 1050mm of Height. Seat Size shall be 510mm width, 550mm Depth and seat height 460mm. Width of the back shall be 510mm. Back height shall be 590mm as measured from seat level. The seat, backrest and arms are cushioned with polyurethane (PU) foam of 40 kg/m³ density for the seat and 32 kg/m³ density for the backrest and Armrest. The chair shall be supplied with high quality fabric cusion at the back.The fabric used for upholstery is 450 glm, has abrasion resistance more than 50K rubs, colour fastness to light better than 5, colour fastness to rubbing 4-5, high quality polyester fabric to offer the best feel & comfort. chair understructure comes in wooden or metal both. Seat and back Cushion thickness shall be 130mm. Armrest thickness shall be 100mm. chair width with armrest 710mm. Leg shoe shall be provided at bottom.	2.00	No.	
	0			RECREATION ROOM CHAIR - The overall size fo the Lounge Chair shall be 610WX590DX810H. The Lounge chair shall be comes with Single Moulded Foam design Including Seat,back with Aremrest. The height of the seat 460mm from the ground, seat width shall be 410mm and the Depth of the seat shall be 420mm, Similarly the back width shall be 320mm at bottom and 410mm at top and the Height shall be 380mm from the seat. The chair seat, back & armrest shall be made up of single Foam moulded design. Armrest shall be comes with tapered design with maximum height at back with minimum height at front. The seat, back & armrest shall be made up of PU molded foam with desired support structure and upholstered with fine fabric , The fabric used for upholstery is 450 glm, has abrasion resistance more than 50K rubs, colour fastness to light better than 5, colour fastness to rubbing 4-5, high quality polyester fabric to offer the best feel & comfort. The Moulded shell comes with back and armrest thickness of 50-55mm and the seat comes with 60-65mm of thickness. The understructure of the chair shall be made up of ERW round tapered 4 legs of size upper Ø32mm and the bottom Ø20mm.This Tapered leg design aesthetically appealing. The legs shall be joined with each other with the help of the ERW rectangular Tube of size 40x20mm for better durability on which the seat & back shell is fixed. Leg shoe shall be provided. Understructure shall powder coated upto 40 to 60microns.	22.00	No.	
9.1.3.17	CCS34			AF 23	192.00	No.	
	0			Supply, delivery and installation of chair shall have minimum overall dimensions of 490 mm in width, 480 mm in depth, and 800 mm in height. The seat and backrest shall be made from a single piece of injection-molded PPGF 20% material. The seat width will be 450 mm near the back and 390 mm at the front, creating a tapered appearance, with a waterfall edge at the front. The seat depth shall be 390 mm, and the junction between the seat and back shall feature a radius to provide enhanced lumbar support. The backrest will have a width of 450 mm near the seat and 360 mm at the top, with a minimum height of 360 mm from the seat. The thickness of the seat and back shell shall be 8 mm ± 0.25 mm. The understructure will consist of loop legs made from 12 mm thick mild steel (MS) rods, conforming to IS 7887 standards. The loop legs shall be interconnected by an MS bar plate (25 mm x 5 mm), located beneath the chair shell. Each bar plate will be equipped with holes for securely attaching the chair shell to the understructure. Injection-molded polycarbonate leg shoes will be fitted to the understructure to provide additional stability and protect the floor surface. The seat assembly will feature silicone bushings to ensure smooth, scratch-free stacking. The entire understructure will be powder-coated, with a finish thickness of 40 to 60 microns, ensuring long-lasting durability and a high-quality appearance. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.18	CCS34			Executive Dining Table and Chair (5th Floor) Dimensions 1750mmW x 770mmH x 899mmD -AF 25	10.00	No.	
	0			Supply, delivery and installation of table Overall Size : Length : 175cm Width : 90cm Height : 75cm The worksurface of the table shall be made up of 18mm thick Prelam hydroshield top water resistant. Leg: shall be made up of high pressure aluminum die casted 20 degree tapered, number “7” shape & oblong cross section of about 55mm on top, 45mm at bottom and of 725mm length to get 750mm table height, it shall acts as vertical structural support member, connected by a horizontal cross beams 50x25x1.6thk (16g) ERW tube & connected to the Aluminium diecast vertical legs through a high pressure Aluminium diecast 90deg – 02 way connectors. Wire Management: 450mm Aluminium Flip Up and provision to mount swicthes and sockets on PVC cable dump and Vertical wire entry cover made up of steel sheets. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.19	CCS34			Ex. Dining Chair Grande Dark Walnut Chair -AF 27	2.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	0			Supply, delivery and installation of chairs has features a curved wrap-around backrest made from moulded plywood with a natural wood-grain finish, providing a smooth, seamless, and ergonomically contoured support surface. The backrest is designed with an open lower section to enhance ventilation and seating comfort. The seat base consists of a high-density upholstered cushion, fabricated using premium-quality PU foam of suitable density to ensure long-term comfort and shape retention. The seat is covered with durable fabric upholstery, resistant to wear and suitable for daily use in offices, lounges, meeting spaces, and residential environments.The chair is supported on four solid wooden legs, crafted from seasoned hardwood such as beechwood or oak (or equivalent), ensuring durability and stability. The legs are tapered to complement the aesthetic of the chair and finished with MS powder coated. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.20	CCS34			Training chairs With Desklet - AF 28	171.00	No.	
	0			Supply, delivery and installation of chairs of overall size of Chair shall be: Total height 885 +/-5 mm, Back Width 415mm at Top and 470mm at bottom, Seat Width 490 +/-3 mm, Seat Depth 465+/-3 mm and Seat height 495mm +/-5mm . Over all chair width should be 600 +/-5mm and Overall chair depth should be 585 +/-5mm. Seat shall be upholstered with 100% polyster 180 GSM abrasion > 50000 cycles. No flamming or progressive smoldering within one hour of placement of the cigarettes. Fire rated fabric confirming to BS EN 1021 (match) should be used. The chair shall be supplied with Mesh at the back rest. The chair shall be supplied with injuction moulded Back rest with material of PA620%GF. The Chair understructure should be provided with 25.4x1.6 mm thickness Round tube. understructure shall connected with 4nos 50mm dia Twin castors PA6 material complying to ANSI/ BIFMA X 5.1 2017 standards. the axle pin shall be rust protected zinc passivated. Understructure shall powder coated upto 40microns. Fixed arms connected to Back rest with Textured arm pad with size of 290x38x3.5mm. Understructure shall powder coated upto 40 to 60microns. Injection moulded ABS writing tablet with 5 thickness shall assembled for arm rest. Tolerance of +/- 5mm to be considered for product sizes i.e Length, Depth & height and tolerance of 5% to be considered in pipe thickness & Pipe sizes. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.21	CCS34			Multipurpose chair with Arms - AF29	143.00	No.	
	0			Supply, delivery and installation of chairs of overall size of Chair shall be : Width should be 540 +/-5mm and depth should be 600 +/-5mm. Total height 875 +/-5 mm, Back Width 420mm at Top and 485mm at bottom, Seat Width 495 +/-5 mm, Seat Depth 460+/-5 mm and Seat height 490mm +/-5mm . Seat should be made up of PRE Mouled foam at 55 kg/m3 density. hardness of 25+ 3kgf at 50% deflection conforming to IS 3400. Seat shall be upholstered with fabric of 100% polyster with 180 GSM abrasion > 50000 cycles. No flamming or progressive smoldering within one hour of placement of the cigarettes. Fire rated fabric confirming to BS EN 1021 (match) should be used. The chair shall be supplied with injuction moulded Back rest with material of PPGF20%. The Chair understructure should be provided with 25.4x1.6 mm thickness Round tube. understructure shall connected with 4nos of injection moulded ABS shoes. Understructure shall powder coated upto 40microns.Fixed arms connected to Back rest with Textured arm pad with size of 290x38x3.5mm. Tolerance of +/-5mm to be considered for product sizes i.e Length, Depth & height and tolerance of 5% to be considered in pipe thickness & Pipe sizes. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.22	CCS34			EXAMINATION COUCH FULL STORAGE WITH STEP STOOL -AF 30	2.00	No.	
	0			Supply, delivery and installation of table of Overall dimension 1975 mm (L) x 560 mm (W) x 805 mm (H). Examination couch with three drawers with three cabinets, inbuilt step stool and BP tray holder.the base frame should made of 30 mm x 30 mmX 1.6 thick ERW tube. The cabinets should made of 1 mm thick CRCA sheet with recessed plastic handles and with lock and plastic door latch. the hindges of the cabinet should be made of sheet metal and pin arrangement. The internal dimension of the two side cabinets should be 422 mm (W) x 455 mm (D) x 540 mm (H). the internal dimension of the centarl cabinet should be 422 mm (W) x 455 mm (D) x 358 mm (H). The storage cabinet unit should be mount tubular base frame. The head rest should be adjustable on gas spring which should be actuated with C shaped handle lever . The drawers should made of 1 mm thick CRCA sheet with recessed plastic handles and work on double extension ball slides for smooth glide. the internal dimension of the drawer should be 330 mm (W) x 427 mm (D) x 92 mm (H) The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.23	CCS34			Sofa 2 Seater -AF 31	1.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	0			Supply, delivery and installation of Two Seater Sofa : Overall size shall be 1610 mm W x 975 mm D x 820 mm H. Sofa inner frame structure shall be made from the combination of treated solid wood and plywood having high quality webbing belts to ensure good strength, rigidity & stable construction to offer high durability. There shall be extra padding between the armrest & the seat on both sides for better comfort & polyfilled in arms & backrest. The polyurethane (PU) foam shall be used in Seat & back rest having 40 density and 32 density respectively. Seat to backrest angle should be ergonomically designed to offer the best seating comfort. Seat height shall be normally between 16 to 18 inches and depth shall be between 20-22 inches. Sofa shall be elevated from ground by about 3 inches using Golden finished metal legs creating provision for easy cleaning & better look. Upholstery shall be of high quality Leatherite offer the best feel & comfort. The OEM shall have ISO 9001, BIFMA Level 2, India Design Mark, Green Guard Gold by UL, IGBC Gold Rated Factory Certification, CHG Emission report as per SBTI published on website.			
9.1.3.24	CCS35			Providing and fixing round shape sofa made out in wooden frame work with foam and Rexine finish . (Basic rate of Rexine Rs 500/ - per rmt)	68.00	Rmt	
9.1.3.25	0			CURVED SOFA FOR VIP LOUNGE AREA	6.00	NOS	
	0			Sofa inner frame structure is made from the combination of treated solid wood (Neem / Pine wood) and plywood, also webbing belts are used to have good strength, rigidity & stable construction to offer best durability. Each Two seater sofa size & cost 1650L x 750D x 750mm H (Straight / Angular Back) Legs : Dia 38x1.6T x 200mm H MS legs with P.coated finish The polyurethane (PU) foam used in Seat & back rest are of 40 density and 32 density respectively Seat to backrest angle is ergonomically designed to offer the best seating comfort Seat height is normally between 17 to 18 inches and depth is 20-22 inches. Sofa is elevated from ground by about 3 inches using metal powder coated legs, which creates provision for easy cleaning at the same time offers floating look. The fabric used for upholstery is 450 glm, has abrasion resistance more than 50K rubs, colour fastness to light better than 5, colour fastness to rubbing 4-5, high quality polyester fabric to offer the best feel & comfort. Fabric to be selected from premium Genesis fabrics range. Sofa sizes can be customised based on requirement and one to one discussion, case to case basis.			
				LIBRARY RACK Single-side standalone library racks Size: 1095W x 370D x 1950H	3.00	NOS	
				STORAGE Medium-height storage with an openable shutter			
				5th floor main chamber reception back	2.00	NOS	
				5th floor waiting area	2.00	NOS	
AUDIO VISUALS							
				Reception			
	CCS32			Device-Signage Display- Make-ViewSonic/Sony/NEC- Model-Viewsonic CN6501-1C + Signage SITC of the proposed 65-inch commercial 4K UHD presentation display having an intuitive signage player that supports various content formats, scheduling, and uninterrupted playback, wireless casting with AirPlay and Miracast for seamless connectivity, native 3840 x 2160 resolution, minimum 520-nit brightness, 5000:1 contrast ratio, 178° viewing angles, anti-glare surface, minimum 50,000-hour backlight life, and continuous 24/7 landscape/portrait operation. It shall provide a minimum of two HDMI 2.1 inputs with HDCP 2.2, USB-C with DisplayPort video and a minimum 15 W power delivery, USB media ports, LAN, RS-232 control, integrated 2 x 10 W speakers, VESA mounting, remote, power cable.	4.00	No.	
	CCS32			Device-Ceiling Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty Ceiling mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	4.00	No.	
	CCS32			Device-Way Finder Make-Aero/Vtouch/BRX Model-Aero SITC of 55" touch Display Way Finding Kiosk	2.00	No.	
	CCS32			Device-Cables & Connectors Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1.00	No.	
	0						
	CCS32			Cafeteria			

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-Display Make-ViewSonic/Sony/NEC Model-Viewsonic CN5501-1C SITC of the proposed 55-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	9.00	No.	
	CCS32			Device-Ceiling Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty ceiling mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	4.00	No.	
	CCS32			Device-Wall Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-Wall ceiling mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	5.00	No.	
	CCS32			Device-Cables & Connectors Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1.00	No.	
	CCS32						
	CCS32			Lounge For Disabled	3.00	No.	
	CCS32			Amphitheater			
	0			Device-FOH Speakers Make-D&B/Tannoy/Biamp Model-Biamp IP6-1122WR26 SITC of the proposed weather-resistant two-way full-range installation loudspeaker having one 12-inch low-frequency driver and one 1.4-inch exit high-frequency compression driver on a rotatable constant-directivity waveguide; nominal coverage 120° horizontal x 60° vertical; operating range minimum 37 Hz–17.5 kHz; passive or bi-amplified operation with DSP; passive impedance 8 ohms, continuous power handling minimum 600 W and peak power handling minimum 2,400 W; sensitivity minimum 94 dB SPL (1 W/1 m), maximum output minimum 122 dB continuous and 128 dB peak. The enclosure shall be suitable for outdoor use with minimum IP55W protection, sealed input cable/gland, corrosion-resistant grille and certified rigging points. Complete mounting/rigging hardware, DSP presets, weatherproof terminations, safety hardware shall be included.	2.00	No.	
	CCS32			Device-Speaker Mounting MakeCustom / Reputed Model-Custom / Reputed SITC of the proposed heavy-duty loudspeaker mounting structure compatible with the offered FOH loudspeaker as per site requirement. It shall include all adapters, fasteners, safety cables and accessories required for complete operation.	2.00	No.	
	CCS32			Device-Amplifier Make-D&B/Tannoy/Biamp Model-Biamp ALC-404D SITC of the proposed four-channel networked amplified loudspeaker controller having integrated 48 kHz DSP and Dante/AES67 or equivalent; minimum 4 x 400 W into 2/4/8 ohms or 70/100 V, shared power minimum 1,200 W, bridge mode minimum 800 W; four analog plus four network inputs; FIR/IIR EQ, crossover, delay, loudspeaker presets, RMS/peak/current limiting, load/fault monitoring and remote control; 20 Hz–20 kHz response, THD+N below 0.1%; 1RU rack chassis.	1.00	No.	
	CCS32			Device-Audio Mixer Make-Yamaha/Shure/StudioMaster Model-Yamaha MG12X SITC of the proposed professional 12-channel analog audio mixing console having 12 line inputs comprising four mono mic/line channels, two mono/stereo mic/line channels and two stereo line channels; minimum six microphone inputs with +48 V phantom power and high-pass filtering; discrete low-noise Class-A microphone preamplifiers; one-knob compressors on minimum four mono channels; three-band EQ on mic channels; one stereo bus, two group buses and two auxiliary buses including effects; minimum two stereo outputs, monitor output, two auxiliary sends, two group outputs and headphone output. The mixer shall include a built-in digital effects processor with minimum 24 programs, frequency response at least 20 Hz–48 kHz, THD+N not exceeding 0.03% over 20 Hz–20 kHz, universal 100–240 V AC power supply, rugged metal chassis and all required power/audio cables.	1.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-Bodypack Tx Make-Shure/Sennheiser/AudioTechnica Model-Shure SLXD1+=-G65 SITC of the proposed Digital wireless bodypack transmitter in the approved Indian frequency band, having 24-bit digital audio, minimum 8-hour operation, rechargeable-battery compatibility, locking microphone connector and coordinated frequency setup; WPC/statutory approval required. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime.	1.00	No.	
	CCS32			Device-Lapel Mic Make-Shure/Sennheiser/AudioTechnica Model-Shure WL185MB/C-TQG SITC of the proposed Cardioid lavalier condenser microphone having miniature form factor, locking TQG connector, speech-optimized response, supplied windscreen and clothing clip; compatible with specified bodypack transmitter. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime.	1.00	No.	
0	CCS32			Device-Handheld Mic Make-Shure/Sennheiser/AudioTechnica Model-Shure SLXD2+/B58=-G65 SITC of the proposed Digital wireless handheld transmitter having professional supercardioid dynamic capsule, approved Indian frequency band, 24-bit digital audio, minimum 8-hour operation and rechargeable-battery compatibility; WPC/statutory approval required. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime	1.00	No.	
0	CCS32			Device-Wireless Receiver Make-Shure/Sennheiser/AudioTechnica Model-Shure SLXD4Q+IN=-G65 SITC of the proposed Professional digital wireless receiver in the approved Indian frequency band, having networked frequency scan/coordination, balanced audio outputs, rack mounting, remote monitoring and Dante/AES67 where specified; WPC/statutory approval required. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime	1.00	No.	
0	CCS32			Device-Weatherproof- Wall Connectivity Panel Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed weatherproof wall-mounted AV connectivity panel suitable for outdoor use, housed in a robust corrosion-resistant enclosure having minimum IP65 protection with gasketed lockable cover, cable glands and sealed connectors. The panel shall provide minimum two professional locking speaker output connectors compatible with the offered amplifier and loudspeakers, together with a suitably rated AC power outlet and isolating MCB/RCCB protection as required by the approved electrical scheme. Power and audio connections shall be physically segregated, clearly labelled and properly earthed. Complete enclosure, internal wiring, terminal blocks, mounting hardware, glands, weather seals, connectors, protective devices and accessories shall be included. The panel shall be installed at the approved location and tested for continuity, polarity, insulation, earthing, connector operation and weather sealing; exact connector configuration, electrical rating and enclosure dimensions shall be submitted for approval before installation.	1.00	No.	
0	CCS32			Device-AV Rack Make-Valrack / Cisco / WD Model-Valrack 15U AV RACK SITC of the proposed 15U AV equipment rack, minimum 600 mm width and depth selected to suit the deepest equipment plus cable bend radius, having robust welded/knock-down steel construction, lockable perforated front/rear doors, removable lockable side panels and adjustable mounting rails. The rack shall include forced ventilation sized from the submitted heat-load calculation, vertical and horizontal cable managers, earthing bar, minimum 6-way PDU with MCB and surge protection, equipment shelves, blanking panels, castors and levelling feet. The Bidder shall include all cage nuts, fasteners and accessories required for complete installation.	1.00	No.	
	CCS32			Device-Cables & Connectors Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1.00	No.	
	CCS32				0.00		
	CCS32			Multipurpose Hall	0.00		

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-Projector Make-ViewSonic/Sony/Barco Model-Viewsonic LSC801WU SITC of the proposed professional laser installation projector having native WUXGA 1920 x 1200 resolution, brightness minimum 8,000 ANSI lumens, high-contrast laser-phosphor light source with minimum 20,000-hour normal and up to 30,000-hour economy life, projection size up to 300 inches and support for 16:10, 16:9 and 21:9 images. It shall provide minimum 1.6x optical zoom, horizontal and vertical lens shift, H/V keystone and corner adjustment, HDMI with HDCP, LAN and RS-232 control and 360-degree installation capability. Complete lens, mount interface, remote, power/signal cables, commissioning.	1.00	No.	
	CCS32			Device-Projector Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed heavy-duty projector ceiling-mount assembly compatible with the offered projector and site structure, having adjustable drop, pitch, roll, yaw and fine alignment, with safe working load at least four times the installed projector weight or the certified manufacturer rating, whichever is higher. The assembly shall use corrosion-resistant steel construction, anti-theft fasteners, concealed cable routing and an independent safety tether. Complete ceiling plate, extension column, adapter plate, anchors, fasteners shall be included.	1.00	No.	
	CCS32			Device-Projection Screen Make-Elite/Draper/Dalite Model-Elite SKT120NXW3-E12 SITC of the proposed 120-inch diagonal, 16:9 motorized tab-tensioned projection screen having a flat, wrinkle-resistant 4K-ready matte-white viewing surface, black backing and borders, wide viewing angle and gain approximately 1.0–1.1. The screen shall use a quiet tubular motor in a robust metal housing and include wall/ceiling mounting brackets, three-way wall switch, IR/RF remote control and low-voltage trigger where offered. Screen fabric shall be flame-retardant and mildew-resistant. Complete mounting hardware, power/control cabling shall be included.	1.00	No.	
	CCS32			Device-Display Make-ViewSonic/Sony/NEC Model-Viewsonic CN5501-1C SITC of the proposed 55-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	2.00	No.	
	CCS32			Device-Wall Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1.00	No.	
	CCS32			Device-Ceiling Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1.00	No.	
	CCS32			Device-Display Make-ViewSonic/Sony/NEC Model-Viewsonic CN5501-1C SITC of the proposed 55-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	1.00	No.	
	CCS32			Device-Wall Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1.00	No.	
	0			Device-Display Make-ViewSonic/Sony/NEC Model-Viewsonic CN5501-1C SITC of the proposed 55-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	3.00	No.	
	CCS32			Device-Ceiling Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	3.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-FOH Speakers Make-D&B/Tannoy/Biamp Model-Biamp V2-1296B SITC of the proposed passive 2-way trapezoidal full-range loudspeaker having one 12-inch LF driver and one 1-inch HF compression driver on a rotatable 90° H x 60° V horn; minimum 200 W continuous / 500 W program at nominal 8 ohms; operating range no narrower than 60 Hz–18 kHz; sensitivity minimum 98 dB (1 W/1 m); maximum output minimum 121 dB continuous / 127 dB peak; enclosure approximately 608 H x 390 W x 362 D mm and not heavier than 18 kg; birch-plywood cabinet, steel grille, NL4-compatible and terminal inputs, integral rigging points and matching yoke/rigging hardware. It shall provide approved DSP high-pass, EQ and limiter preset.	2.00	No.	
	CCS32			Device-Ceiling Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	2.00	No.	
	CCS32			Device-Side Fills Make-D&B/Tannoy/Biamp Model-Biamp V2-8B SITC of the proposed compact passive 2-way full-range installation loudspeaker having minimum 8-inch LF driver and compression HF driver; nominal 8-ohm; minimum 150 W continuous; operating range suitable for speech and music, nominal coverage not narrower than 90° x 60°, sensitivity minimum 94 dB and peak SPL minimum 120 dB. It shall include plywood enclosure, steel grille, NL4/terminal connections, integral rigging points, yoke/rigging hardware.	4.00	No.	
	CCS32			Device-Ceiling Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	4.00	No.	
	CCS32			Device-Stage Monitor Make-D&B/Tannoy/Biamp Model-Biamp MX8-B SITC of the proposed passive low-profile 2-way coaxial stage monitor having one 8-inch LF driver and HF compression driver; nominal 8 ohms; minimum 150 W continuous / 375 W program; operating range no narrower than 80 Hz–18 kHz; sensitivity minimum 96 dB (1 W/1 m); maximum SPL minimum 118 dB continuous / 125 dB peak; nominal coverage approximately 115° conical; enclosure height approximately 263 mm with durable steel grille and NL4-compatible connectors. It shall include approved DSP high-pass, EQ and limiter preset.	2.00	No.	
	CCS32			Device-Subwoofer Make-D&B/Tannoy/Biamp Model-Biamp IV6-118SB SITC of the proposed high-power single 18-inch direct-radiating bass-reflex subwoofer designed for array or ground-stack operation, having long-excursion ferrite low-frequency driver, nominal impedance 8 ohms, continuous power handling minimum 800 W and peak handling minimum 3,200 W. The enclosure shall provide deep low-frequency reinforcement, low-distortion porting, rigging points compatible with the offered array system and DSP presets for standard and cardioid configurations. Complete suspension/stacking hardware, safety fittings, connectors.	1.00	No.	
	CCS32			Device-Amplifier Make-D&B/Tannoy/Biamp Model-Biamp ALC-404D SITC of the proposed four-channel networked amplified loudspeaker controller having integrated 48 kHz DSP and Dante/AES67 or equivalent; minimum 4 x 400 W into 2/4/8 ohms or 70/100 V, shared power minimum 1,200 W, bridge mode minimum 800 W; four analog plus four network inputs; FIR/IIR EQ, crossover, delay, loudspeaker presets, RMS/peak/current limiting, load/fault monitoring and remote control; 20 Hz–20 kHz response, THD+N below 0.1%; 1RU rack chassis.	2.00	No.	
	CCS32			Device-Ceiling Speakers Make-D&B/Tannoy/Biamp Model-Biamp CM20DT SITC of the proposed two-way flush-mount ceiling loudspeaker for speech and music reproduction, having minimum 5.25-inch low-frequency driver with dome tweeter, wide and uniform coverage, 30 Watts at 16 Ohms low-impedance and 20, 10, 5 watts tapping at 70/100 V transformer operation with selectable power taps, paintable magnetic grille and plenum-rated backcan where required.	2.00	No.	
	CCS32			Device-Amplifier Make-D&B/Tannoy/Biamp Model-Biamp REVAMP1120T SITC of proposed power amplifier that shall be a single-channel, Class-D digital amplifier delivering a minimum of 120 W RMS output power at 100 V or 4-ohm load. It shall support 70 V and 100 V constant-voltage speaker lines, along with low-impedance operation. The amplifier shall provide balanced and unbalanced line-level inputs, a frequency response of 50 Hz to 20 kHz or wider, and a signal-to-noise ratio of at least 97 dB (A-weighted). It shall feature convection cooling without cooling fans, overload and thermal protection, and clip indication. The unit shall be suitable for 19-inch rack mounting in a maximum 1U form factor and operate on 115–230 V AC power supply.	1.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-DSP Make-Shure/Biamp/Symetrix Model-Biamp TesiraFORTÉ DAN CI SITC of the proposed fixed 1RU audio DSP having at least 12 mic/line inputs each with AEC and 48 V phantom power, 8 balanced mic/line outputs, minimum 32 x 32 Dante/AES67 network audio, USB audio, Ethernet control, RS-232 and GPIO; 24-bit/48 kHz processing; configurable matrix mixing, automixing, EQ, filters, dynamics, delay, routing, monitoring and diagnostics; frequency response 20 Hz–20 kHz, dynamic range minimum 108 dB; internal universal PSU and minimum 5-year OEM warranty. An equivalent approved make shall be acceptable if I/O, AEC and network-channel capacity are equal or better.	1.00	No.	
	CCS32			Device-Bodypack Tx Make-Shure/Sennheiser/AudioTechnica Model-Shure SLXD1+=-G65 SITC of the proposed Digital wireless bodypack transmitter in the approved Indian frequency band, having 24-bit digital audio, minimum 8-hour operation, rechargeable-battery compatibility, locking microphone connector and coordinated frequency setup; WPC/statutory approval required. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime.	1.00	No.	
	CCS32			Device-Lapel Mic Make-Shure/Sennheiser/AudioTechnica Model-Shure WL185MB/C-TQG SITC of the proposed Cardioid lavalier condenser microphone having miniature form factor, locking TQG connector, speech-optimized response, supplied windscreen and clothing clip; compatible with specified bodypack transmitter. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime.	1.00	No.	
	CCS32			Device-Handheld Mic Make-Shure/Sennheiser/AudioTechnica Model-Shure SLXD2+/B58=-G65 SITC of the proposed Digital wireless handheld transmitter having professional supercardioid dynamic capsule, approved Indian frequency band, 24-bit digital audio, minimum 8-hour operation and rechargeable-battery compatibility; WPC/statutory approval required. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime.	2.00	No.	
	CCS32			Device-Wireless Receiver Make-Shure/Sennheiser/AudioTechnica Model-Shure SLXD4Q+IN=-G65 SITC of the proposed Professional digital wireless receiver in the approved Indian frequency band, having networked frequency scan/coordination, balanced audio outputs, rack mounting, remote monitoring and Dante/AES67 where specified; WPC/statutory approval required. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime.	1.00	No.	
	CCS32			Device-Wireless Goseneck Base Make-Shure/Sennheiser/AudioTechnica Model-Shure ULXD8=-G51 SITC of the proposed wireless Goseneck base shall provide wireless Goseneck Base shall meet the specified functional requirements and include all power supplies, mounting hardware, licenses, interconnecting accessories, OEM warranty, testing and commissioning. Bidder shall submit the official manufacturer datasheet and clause-by-clause compliance statement. The complete wireless system using WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime.	1.00	No.	
	CCS32			Device-Goseneck Mic Make-Shure/Sennheiser/AudioTechnica Model-Shure MX415RLPDF/C SITC of the proposed proposed goseneck mic providing goseneck Mic shall meet the specified functional requirements and include all power supplies, mounting hardware, licenses, interconnecting accessories, OEM warranty, testing and commissioning. Bidder shall submit the official manufacturer datasheet and clause-by-clause compliance statement.	1.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-Wireless Receiver Make-Shure/Sennheiser/AudioTechnica Model-Shure ULXD4IN=-G51 SITC of the proposed Professional digital wireless receiver in the approved Indian frequency band, having networked frequency scan/coordination, balanced audio outputs, rack mounting, remote monitoring and Dante/AES67 where specified; WPC/statutory approval required. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime.	1.00	No.	
	CCS32			Device-Antenna System Make-Shure/Sennheiser/AudioTechnica Model-Shure UA844+SWB-IN SITC of the proposed proposed antenna system shall provide active antenna distribution system for the specified wireless receivers, including cascade capability, DC power distribution, rack mounting and all required RF/power cables. The complete wireless system using WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime.	1.00	No.	
	CCS32			Device-Antenna Cable Make-Shure/Sennheiser/AudioTechnica Model-Shure UA8100 SITC of the proposed Low-loss 50-ohm RF coaxial antenna cable of the OEM-specified length, terminated having compatible BNC connectors and rated for the proposed wireless frequency band. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime	2.00	No.	
	CCS32			Device-Antenna Make-Shure/Sennheiser/AudioTechnica Model-Shure UA860SWB SITC of the proposed OEM-compatible wideband UHF antenna for wall/ceiling/stand mounting, having 50-ohm BNC interface and frequency coverage suitable for the specified wireless band. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime	2.00	No.	
	CCS32			Device-Rechargeable Battery Make-Shure/Sennheiser/AudioTechnica Model-Shure SB903 SITC of the proposed OEM rechargeable lithium-ion battery compatible having specified SLX-D transmitters; battery runtime/health reporting and charging through the specified docking charger. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime	3.00	No.	
	CCS32			Device-Docking station Make-Shure/Sennheiser/AudioTechnica Model-Shure SBC203-IN SITC of the proposed Secure docking/charging station compatible having the offered transmitter/tablet; simultaneous charging of the stated quantity, charge/status indication, over-voltage/temperature protection, concealed cable management, lockable or tamper-resistant mounting and all power supplies/adaptors included. For wireless batteries, provide networked battery-health/runtime reporting where supported.	2.00	No.	
	CCS32			Device-Rechargeable Battery Make-Shure/Sennheiser/AudioTechnica Model-Shure SB900C-A SITC of the proposed OEM rechargeable lithium-ion battery compatible having specified digital wireless transmitters; intelligent runtime/health reporting and charging in the specified networked charger. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime	1.00	No.	
	CCS32			Device-Docking station Make-Shure/Sennheiser/AudioTechnica Model-Shure SBC250-E SITC of the proposed Secure docking/charging station compatible having the offered transmitter/tablet; simultaneous charging of the stated quantity, charge/status indication, over-voltage/temperature protection, concealed cable management, lockable or tamper-resistant mounting and all power supplies/adaptors included. For wireless batteries, provide networked battery-health/runtime reporting where supported.	1.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	0			Device-Control System Make-Kramer/Extron/Biamp Model-Kramer KC-Virtual Brain1 + FC28 SITC of the proposed Programmable AV control platform based on functionality, having IP-based processor or virtual controller, minimum eight configurable serial/IR/relay/I/O interfaces through the stated gateway, Ethernet control, secure user authentication, scheduling, device monitoring, event logging and API/driver support for every proposed AV device. It shall include all perpetual licences, programming source code, GUI files, backups.	1.00	No.	
	CCS32			Device-Touch Panel Make-Apple Model-Apple iPad with Kramer Control Application SITC of the proposed Commercial touch-control interface using a current supported tablet/platform having minimum 10-inch display, Wi-Fi 6, minimum 64 GB storage, secure kiosk mode, licensed control application, protective enclosure, continuous charging dock, guided-access/device-management application support. Screen layouts and all source code shall be handed over.	1.00	No.	
	CCS32			Device-Docking station Make-iPort/Lenevo/HP Model-iPort SITC of the proposed Secure docking/charging station compatible having the offered transmitter/tablet; simultaneous charging of the stated quantity, charge/status indication, over-voltage/temperature protection, concealed cable management, lockable or tamper-resistant mounting and all power supplies/adaptors included. For wireless batteries, provide networked battery-health/runtime reporting where supported.	1.00	No.	
	CCS32			Device-Wireless Presenter Make-AirServer / Biamp/ DVDO Model-AirServer Connect 3 SITC of the proposed Wireless presentation gateway supporting AirPlay 2, Google Cast and Miracast having 4K60 output to up to three displays, Wi-Fi 6E and 2.5 GbE, WPA2/WPA3/802.1X, moderator portal, touchback, central management and up to 12 simultaneous 1080p60 sources. The complete wireless system shall use WPC-approved Indian frequency bands, provide coordinated channel planning, encrypted/digital audio where available, minimum 100 m line-of-sight operating range, network monitoring for receivers, rechargeable operation of at least 8 hours, rack/antenna accessories and all RF/power cables. Exact band, RF output, latency, audio response, battery runtime	1.00	No.	
	CCS32			Device-AVoIP Encoder Make-Extron/Kramer/Biamp Model-Kramer KDS-17EN SITC of the proposed AV-over-IP encoder having HDMI and DisplayPort input, video up to 4K60 with 4:4:4, HDCP 2.2, visually lossless low-latency transport not exceeding 1.5 frames, 8-channel PCM audio embedding/de-embedding, two balanced mic/line inputs, 1Gb copper and 10Gb SFP+ media ports plus separate control Ethernet, IEEE 802.1X, RS-232 and four GPIO; half-rack chassis and 5-year warranty. Equivalent approved make must interoperate with the complete proposed AV-over-IP system.	2.00	No.	
	CCS32			Device-AVoIP Encoder Make-Extron/Kramer/Biamp Model-Kramer KDS-17DEC SITC of the proposed AV-over-IP decoder having HDMI output supporting up to 4K60, HDCP 2.2, visually lossless low-latency transport not exceeding 1.5 frames, multichannel PCM audio de-embedding, 1Gb copper and 10Gb SFP+ media ports plus separate control Ethernet, IEEE 802.1X, RS-232 and GPIO; half-rack chassis.	4.00	No.	
	CCS32			Device-AVoIP Encoder Make-Extron/Kramer/Biamp Model-Kramer KDS-17DEC SITC of the proposed AV-over-IP decoder having HDMI output supporting up to 4K60, HDCP 2.2, visually lossless low-latency transport not exceeding 1.5 frames, multichannel PCM audio de-embedding, 1Gb copper and 10Gb SFP+ media ports plus separate control Ethernet, IEEE 802.1X, RS-232 and GPIO; half-rack chassis.	3.00	No.	
	CCS32			Device-Juction Box Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed AV junction box fabricated from corrosion-resistant metal or approved engineering polymer, sized for the scheduled power, audio, video, data and control terminations. It shall provide segregated routing for mains and ELV circuits, removable labelled connector plates, cable glands, strain relief, earthing and lockable service access. Complete connectors, terminal blocks, internal wiring, mounting hardware, identification labels.	1.00	No.	
	CCS32			Device-AV Network Switch Make-Netgear/Cisco/Juniper Model-Netgear GSM4248UX SITC of the proposed fully managed AV switch having at least 40 x 1GbE PoE+/PoE++ access ports, multi-gigabit support on required ports, minimum 8 x 10Gb SFP+ uplinks, high PoE budget suitable for all connected AV endpoints, non-blocking switching, IGMP/MLD multicast control, VLAN, QoS, PTP, L2/L3 features, AV profiles and redundant uplinks; 1RU rack mount. Bidder shall submit port-by-port PoE load and bandwidth calculations.	1.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-Wifi Router Make-Netgear/Cisco/Juniper Model-Netgear WAX610 SITC of the proposed enterprise indoor dual-band Wi-Fi 6 access point conforming to IEEE 802.11ax and backward compatible with 802.11a/b/g/n/ac, having aggregate wireless speed minimum AX1800, OFDMA, MU-MIMO, beamforming, band steering, load balancing, multiple SSIDs/VLANs, WPA2/WPA3 enterprise security and cloud/centralized management. It shall support 2.4 GHz and 5 GHz operation in WPC-approved Indian bands, include a minimum 1 GbE PoE+ uplink and ceiling/wall mounting kit. Complete PoE provisioning, licenses/subscription stated separately, configuration, RF optimization shall be included.	1.00	No.	
	CCS32			Device-Room Scheduler Make-Biamp/Poly/Cisco Model-Biamp Evoko Liso SITC of the proposed networked room-booking panel having an approximately 8-inch capacitive anti-fingerprint touchscreen, colour status indication visible from a distance, proximity sensor and RFID support. It shall integrate with the specified calendar/room-booking platform, permit on-screen booking, extension, release and fault reporting, support centralized self-hosted management and minimum 20 interface languages, and operate through PoE or approved low-voltage adapter. Wall and glass mounting accessories, network/power cabling, software configuration, calendar integration, licenses, testing, user training, CE/RoHS compliance.	1.00	No.	
	CCS32			Device-AV Rack Make-Valrack / Cisco / WD Model-Valrack 24U AV RACK SITC of the proposed 24U AV equipment rack, minimum 600 mm width and depth selected to suit the deepest equipment plus cable bend radius having welded/knock-down steel construction with minimum 500 kg static load for floor racks, lockable perforated front/rear doors and removable side panels, adjustable mounting rails, forced ventilation sized from submitted heat-load calculation, vertical/horizontal cable managers, earthing bar, minimum 6-way PDU with MCB/surge protection, shelves, blanking panels, castors and levelling feet.	1.00	No.	
	0			Device-Cables & Connectors Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1.00	No.	
	CCS32				0.00		
	CCS32			2nd Floor Conference Room	0.00		
	CCS32			Device-Display Make-ViewSonic/Sony/NEC Model-Viewsonic CDE8630 SITC of the proposed 86-inch class professional commercial display having native 3840 x 2160 resolution, minimum 450-nit class brightness, 24/7 or better duty rating, anti-glare panel, integrated speakers minimum 2 x 16 W, HDMI, DisplayPort and USB-C with video/data/power delivery, USB media playback, LAN/RS-232 control, remote device management, OPS/compute expansion where offered and VESA mounting.	1.00	No.	
	CCS32			Device-Wall Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1.00	No.	
	CCS32			Device-All In One Bar Make-Biamp/Poly/Cisco Model-Biamp Parlé VBC 2500a SITC of the proposed All-in-one conferencing bar having integrated beamtracking microphone array, loudspeakers and 4K ePTZ camera; USB connection to room PC/BYOD; Auto programming, automatic framing, echo cancellation and professional DSP; wall/display mounting accessories included.	1.00	No.	
	CCS32			Device-Presentation Switcher Make-Kramer/DVDO/Biamp Model-DVDO-USBC-HDMI-PS-42-XL SITC of the proposed professional 4-input x 2-output presentation switcher having USB-C and HDMI source inputs, dual HDMI outputs, automatic/manual switching and support for video resolutions up to 4K UHD at 60 Hz with HDR and HDCP 2.2. USB-C inputs shall support DisplayPort Alt Mode and laptop charging where specified. The unit shall provide independent or mirrored output operation as offered, audio embedding/de-embedding, EDID management, scaling/signal management, LAN and RS-232 control and front-panel operation. Complete rack/shelf mounting, power supply, certified HDMI/USB-C cables, configuration, firmware shall be included.	1.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-Cable Cubby Make-BRX/Biamp/Kramer Model-BRX FLP-BL-UNIV2 SITC of the proposed recessed tabletop cable cubby with black metal finish and universal modular connectivity provision, suitable for flush installation in the conference table. It shall provide an accessible power outlet and configurable AV/data modules for HDMI, USB-C, USB-A, network and other scheduled services, with a smooth lift-up/flip lid, cable pass-through, strain relief and safe separation of mains and ELV wiring. Complete back box, modules, power cord, AV tails, fixing hardware, earthing, labeling, table cut-out template shall be included.	2.00	No.	
	CCS32			Device-Ceiling Speakers Make-D&B/Tannoy/Biamp Model-Biamp CM20DT SITC of the proposed two-way flush-mount ceiling loudspeaker for speech and music reproduction, having minimum 5.25-inch low-frequency driver with dome tweeter, wide and uniform coverage, 30 Watts at 16 Ohms low-impedance and 20, 10, 5 watts tapping at 70/100 V transformer operation with selectable power taps, paintable magnetic grille and plenum-rated backcan where required.	4.00	No.	
	CCS32			Device-Amplifier Make-D&B/Tannoy/Biamp Model-Biamp AMP-A460H SITC of the proposed compact four-channel Class-D power amplifier delivering minimum 4 x 60 W into 4 or 8 ohms, bridgeable to minimum 2 x 120 W and supporting direct 70/100 V operation in bridged mode. It shall have four balanced line inputs, screw-terminal outputs, selectable 80 Hz high-pass filter, signal/limit/protection indicators, automatic standby, convection cooling, frequency response 20 Hz–20 kHz within ±1 dB, THD+N below 0.3% at rated power and dynamic range minimum 100 dB. Half-rack 1RU mounting hardware, universal 100–240 V AC supply, all connectors shall be included.	1.00	No.	
	CCS32			Device-Room Scheduler Make-Biamp/Poly/Cisco Model-Biamp Evoko Liso SITC of the proposed networked room-booking panel having an approximately 8-inch capacitive anti-fingerprint touchscreen, colour status indication visible from a distance, proximity sensor and RFID support. It shall integrate with the specified calendar/room-booking platform, permit on-screen booking, extension, release and fault reporting, support centralized self-hosted management and minimum 20 interface languages, and operate through PoE or approved low-voltage adapter. Wall and glass mounting accessories, network/power cabling, software configuration, calendar integration CE/RoHS compliance shall be included	1.00	No.	
	CCS32			Device-HDMI Cable Make-Kramer/DVDO/Biamp Model-Biamp EasyConnect HDMI4k-10 SITC of the proposed 3 m (10 ft) premium passive HDMI Type-A male-to-male cable conforming to HDMI 2.0, supporting 3840 x 2160 resolution at 60 Hz, maximum data rate 18 Gbps, HDR, HDCP 2.2, CEC, EDID and multichannel digital audio.	3.00	No.	
	CCS32			Device-Type C- Cable Make-Kramer/DVDO/Biamp Model-Biamp EasyConnect USB3-10-CC SITC of the proposed 3 m (10 ft) passive USB Type-C to Type-C cable conforming to USB 3.2 Gen 1, supporting minimum 5 Gbps SuperSpeed data, bidirectional USB Power Delivery up to 45 W and DisplayPort 1.4 Alt Mode with video up to 3840 x 2160 at 60 Hz.	2.00	No.	
	CCS32			Device-Type A-B Make-Kramer/DVDO/Biamp Model-Biamp EasyConnect USB3-10-AB SITC of the proposed 3 m (10 ft) passive USB Type-A to Type-B cable conforming to USB 3.x SuperSpeed and supporting minimum 5 Gbps data transfer, backward compatibility with USB 2.0/1.1 where applicable.	1.00	No.	
	CCS32			Device-Type A-C Make-Kramer/DVDO/Biamp Model-Biamp EasyConnect USB3-10-AC SITC of the proposed 3 m (10 ft) passive USB Type-A to Type-C cable conforming to USB 3.x SuperSpeed and supporting minimum 5 Gbps data transfer, backward compatibility where applicable. The Type-C connector shall support the data and power functions required by the connected conferencing peripheral.	1.00	No.	
	CCS32			Device-Cables & Connectors Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1.00	No.	
	CCS32			2nd Floor U Shape Conference Room Left Wing			
	CCS32			Device-Display Make-ViewSonic/Sony/NEC Model-Viewsonic CDE9830 SITC of the proposed 98-inch class professional commercial display having native 3840 x 2160 resolution, minimum 520-nit class brightness, 24/7 or better duty rating, anti-glare panel, integrated speakers minimum 2 x 10 W, multiple HDMI inputs, Type C- shall Support Smart USB, DP1.2, PD 65W, USB2.0, 100M Ethernet, LAN/RS-232 control, remote device management and VESA mounting.	1.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1.00	No.	
	CCS32			Device-PTZ Camera Make-Aver/DVDO/Sony Model-Aver CAM570 SITC of the proposed dual-lens 4K conferencing camera comprising a motorized PTZ optical camera having minimum 12x optical zoom and a secondary wide-angle AI camera; 4K30 output, minimum 95° wide-angle field of view, speaker/presenter/zone tracking, auto framing, USB 3. x, HDMI and IP streaming/control, PoE+, VISCA/IP control and remote management. It shall include wall/display mount and cabling.	1.00	No.	
	CCS32			Device-Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1.00	No.	
	CCS32			Device-DSP Bundle Make-Shure/Biamp/Symetrix Model-Biamp MRB-L-X400-C-CIC6 SITC of the proposed complete large-room networked conferencing audio bundle comprising one USB-enabled DSP with acoustic echo cancellation, noise reduction and network audio, two beamtracking ceiling microphones including PoE+ amplification, four 6.5-inch ceiling loudspeakers and all specified plenum-rated network cables and mounting accessories. The system shall support automatic device discovery, room tuning and report generation, synchronized UC mute indication and interoperability with Microsoft Teams Rooms, Zoom Rooms, Google Meet, Cisco Webex and equivalent platforms.	1.00	No.	
	CCS32			Device-Wireless Presenter Make-AirServer / Biamp/ DVDO Model-Biamp MRB-L-X400-C-CIC6 SITC of the proposed enterprise wireless presentation gateway with companion plug-and-present dongle, supporting native AirPlay 2, Google Cast and Miracast, encrypted infrastructure casting, moderator control and simultaneous on-screen presentation. The appliance shall support 4K UHD output at 60 Hz, minimum 2.5 GbE LAN, WPA2/WPA3 and IEEE 802.1X security, touchback over supported protocols, centralized management and local-session privacy. USB-C/HDMI display connectivity, power supply, magnetic/security mount shall be included.	1.00	No.	
	CCS32			Device-Audio -Demebedder Make-Kramer/DVDO/Biamp Model-DVDO-AudioE-1 SITC of the proposed HDMI 2.0b audio extractor supporting video up to 4K UHD at 60 Hz with HDR and HDCP 2.2, with one HDMI input and one pass-through HDMI output plus simultaneous digital optical and analog stereo audio outputs. The unit shall support EDID/audio-format selection and transparent passage of supported multichannel audio/video formats without image degradation. Complete regulated power supply, mounting accessories, certified HDMI and audio cables, configuration and end-to-end testing shall be included.	1.00	No.	
	CCS32			Device-Presentation Switcher Make-Kramer/DVDO/Biamp Model-DVDO-USBC-HDMI-PS-42-XL SITC of the proposed professional 4-input x 2-output presentation switcher having USB-C and HDMI source inputs, dual HDMI outputs, automatic/manual switching and support for video resolutions up to 4K UHD at 60 Hz with HDR and HDCP 2.2. USB-C inputs shall support DisplayPort Alt Mode and laptop charging where specified. The unit shall provide independent or mirrored output operation as offered, audio embedding/de-embedding, EDID management, scaling/signal management, LAN and RS-232 control and front-panel operation. Complete rack/shelf mounting, power supply, certified HDMI/USB-C cables, configuration, firmware shall be included.	1.00	No.	
	CCS32			Device-Cable Cubby Make-BRX/Biamp/Kramer Model-BRX FLP-BL-UNIV2 SITC of the proposed recessed tabletop cable cubby with black metal finish and universal modular connectivity provision, suitable for flush installation in the conference table. It shall provide an accessible power outlet and configurable AV/data modules for HDMI, USB-C, USB-A, network and other scheduled services, with a smooth lift-up/flip lid, cable pass-through, strain relief and safe separation of mains and ELV wiring. Complete back box, modules, power cord, AV tails, fixing hardware, earthing, labeling, table cut-out template shall be included.	2.00	No.	
	CCS32			Device-Room Scheduler Make-Biamp/Poly/Cisco Model-Biamp Evoko Liso SITC of the proposed networked room-booking panel having an approximately 8-inch capacitive anti-fingerprint touchscreen, colour status indication visible from a distance, proximity sensor and RFID support. It shall integrate with the specified calendar/room-booking platform, permit on-screen booking, extension, release and fault reporting, support centralized self-hosted management and minimum 20 interface languages, and operate through PoE or approved low-voltage adapter. Wall and glass mounting accessories, network/power cabling, software configuration, calendar integration CE/RoHS compliance shall be included	2.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-HDMI Cable Make-Extron/Lightware/Biamp Model-Biamp EasyConnect HDMI4k-10 SITC of the proposed 3 m (10 ft) premium passive HDMI Type-A male-to-male cable conforming to HDMI 2.0, supporting 3840 x 2160 resolution at 60 Hz, maximum data rate 18 Gbps, HDR, HDCP 2.2, CEC, EDID and multichannel digital audio.	3.00	No.	
	CCS32			Device-Type C- Cable Make-Extron/Lightware/Biamp Model-Biamp EasyConnect USB3-10-CC SITC of the proposed 3 m (10 ft) passive USB Type-C to Type-C cable conforming to USB 3.2 Gen 1, supporting minimum 5 Gbps SuperSpeed data, bidirectional USB Power Delivery up to 45 W and DisplayPort 1.4 Alt Mode with video up to 3840 x 2160 at 60 Hz.	2.00	No.	
	CCS32			Device-Type A-B Make-Extron/Lightware/Biamp Model-Biamp EasyConnect USB3-10-AB SITC of the proposed 3 m (10 ft) passive USB Type-A to Type-B cable conforming to USB 3.x SuperSpeed and supporting minimum 5 Gbps data transfer, backward compatibility with USB 2.0/1.1 where applicable.	1.00	No.	
	CCS32			Device-Type A-C Make-Extron/Lightware/Biamp Model-Biamp EasyConnect USB3-10-AC SITC of the proposed 3 m (10 ft) passive USB Type-A to Type-C cable conforming to USB 3.x SuperSpeed and supporting minimum 5 Gbps data transfer, backward compatibility where applicable. The Type-C connector shall support the data and power functions required by the connected conferencing peripheral.	1.00	No.	
	CCS32			Device-AV Rack Make-Valrack / Cisco / WD Model-Valrack 12U AV RACK SITC of the proposed 12U AV equipment rack, minimum 600 mm width and depth selected to suit the deepest equipment plus cable bend radius having welded/knock-down steel construction with minimum 500 kg static load for floor racks, lockable perforated front/rear doors and removable side panels, adjustable mounting rails, forced ventilation sized from submitted heat-load calculation, vertical/horizontal cable managers, earthing bar, minimum 6-way PDU with MCB/surge protection, shelves, blanking panels, castors and levelling feet.	1.00	No.	
	CCS32			Device-Cables & Connectors Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1.00	No.	
	CCS32			2nd Floor U Shape Conference Room Right Wing	1.00	No.	
	CCS32			3rd Floor U Shape Conference Room Right Wing -I	1.00	No.	
	CCS32			3rd Floor U Shape Conference Room Right Wing -II	1.00	No.	
	CCS32			3rd Floor U Shape Conference Room Left Wing -I	1.00	No.	
	CCS32			3rd Floor U Shape Conference Room Left Wing -II	1.00	No.	
	CCS32			4th Floor U Shape Conference Room Left Wing -I	1.00	No.	
	CCS32			4th Floor U Shape Conference Room Left Wing -II	1.00	No.	
	CCS32			4th Floor U Shape Conference Room Right Wing -I	1.00	No.	
	CCS32			5th Floor Conference Room Left + Right Wing			
	CCS32			Device-Display Make-ViewSonic/Sony/NEC Model-Viewsonic CDE9830 SITC of the proposed 98-inch class professional commercial display having native 3840 x 2160 resolution, minimum 520-nit class brightness, 24/7 or better duty rating, anti-glare panel, integrated speakers minimum 2 x 10 W, multiple HDMI inputs, Type C- shall Support Smart USB, DP1.2, PD 65W, USB2.0, 100M Ethernet, LAN/RS-232 control, remote device management and VESA mounting.	2.00	No.	
	CCS32			Device-Wall Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	2.00	No.	
	CCS32			Device-PTZ Camera Make-Aver/DVDO/Sony Model-Aver CAM570 SITC of the proposed dual-lens 4K conferencing camera comprising a motorized PTZ optical camera having minimum 12x optical zoom and a secondary wide-angle AI camera; 4K30 output, minimum 95° wide-angle field of view, speaker/presenter/zone tracking, auto framing, USB 3. x, HDMI and IP streaming/control, PoE+, VISCA/IP control and remote management. It shall include wall/display mount and cabling.	2.00	No.	
	CCS32			Device-Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	2.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-DSP Bundle Make-Shure/Biamp/Symetrix Model-Biamp MRB-L-X400-C-CIC6 SITC of the proposed complete large-room networked conferencing audio bundle comprising one USB-enabled DSP with acoustic echo cancellation, noise reduction and network audio, two beamtracking ceiling microphones including PoE+ amplification, four 6.5-inch ceiling loudspeakers and all specified plenum-rated network cables and mounting accessories. The system shall support automatic device discovery, room tuning and report generation, synchronized UC mute indication and interoperability with Microsoft Teams Rooms, Zoom Rooms, Google Meet, Cisco Webex and equivalent platforms.	2.00	No.	
	CCS32			Device-Wireless Presenter Make-AirServer / Biamp/ DVDO Model-AirServer Connect 3 + Dongle SITC of the proposed enterprise wireless presentation gateway with companion plug-and-present dongle, supporting native AirPlay 2, Google Cast and Miracast, encrypted infrastructure casting, moderator control and simultaneous on-screen presentation. The appliance shall support 4K UHD output at 60 Hz, minimum 2.5 GbE LAN, WPA2/WPA3 and IEEE 802.1X security, touchback over supported protocols, centralized management and local-session privacy. USB-C/HDMI display connectivity, power supply, magnetic/security mount shall be included.	2.00	No.	
	CCS32			Device-Audio -Demebedder Make-Kramer/DVDO/Biamp Model-DVDO-AudioE-1 SITC of the proposed HDMI 2.0b audio extractor supporting video up to 4K UHD at 60 Hz with HDR and HDCP 2.2, with one HDMI input and one pass-through HDMI output plus simultaneous digital optical and analog stereo audio outputs. The unit shall support EDID/audio-format selection and transparent passage of supported multichannel audio/video formats without image degradation. Complete regulated power supply, mounting accessories, certified HDMI and audio cables, configuration and end-to-end testing shall be included.	2.00	No.	
	CCS32			Device-Presentation Switcher Make-Kramer/DVDO/Biamp Model-DVDO-USBC-HDMI-PS-42-XL SITC of the proposed professional 4-input x 2-output presentation switcher having USB-C and HDMI source inputs, dual HDMI outputs, automatic/manual switching and support for video resolutions up to 4K UHD at 60 Hz with HDR and HDCP 2.2. USB-C inputs shall support DisplayPort Alt Mode and laptop charging where specified. The unit shall provide independent or mirrored output operation as offered, audio embedding/de-embedding, EDID management, scaling/signal management, LAN and RS-232 control and front-panel operation. Complete rack/shelf mounting, power supply, certified HDMI/USB-C cables, configuration, firmware shall be included.	2.00	No.	
	CCS32			SITC of the proposed recessed tabletop cable cubby with black metal finish and universal modular connectivity provision, suitable for flush installation in the conference table. It shall provide an accessible power outlet and configurable AV/data modules for HDMI, USB-C, USB-A, network and other scheduled services, with a smooth lift-up/flip lid, cable pass-through, strain relief and safe separation of mains and ELV wiring. Complete back box, modules, power cord, AV tails, fixing hardware, earthing, labeling, table cut-out template shall be included.	4.00	No.	
	0			Device-Room Scheduler Make-Biamp/Poly/Cisco Model-Biamp Evoko Liso SITC of the proposed networked room-booking panel having an approximately 8-inch capacitive anti-fingerprint touchscreen, colour status indication visible from a distance, proximity sensor and RFID support. It shall integrate with the specified calendar/room-booking platform, permit on-screen booking, extension, release and fault reporting, support centralized self-hosted management and minimum 20 interface languages, and operate through PoE or approved low-voltage adapter. Wall and glass mounting accessories, network/power cabling, software configuration, calendar integration CE/RoHS compliance shall be included	4.00	No.	
	CCS32			Device-HDMI Cable Make-Extron/Lightware/Biamp Model-Biamp EasyConnect HDMI4k-10 SITC of the proposed 3 m (10 ft) premium passive HDMI Type-A male-to-male cable conforming to HDMI 2.0, supporting 3840 x 2160 resolution at 60 Hz, maximum data rate 18 Gbps, HDR, HDCP 2.2, CEC, EDID and multichannel digital audio.	6.00	No.	
	CCS32			Device-Type C- Cable Make-Extron/Lightware/Biamp Model-Biamp EasyConnect USB3-10-CC SITC of the proposed 3 m (10 ft) passive USB Type-C to Type-C cable conforming to USB 3.2 Gen 1, supporting minimum 5 Gbps SuperSpeed data, bidirectional USB Power Delivery up to 45 W and DisplayPort 1.4 Alt Mode with video up to 3840 x 2160 at 60 Hz.	4.00	No.	
	CCS32			Device-Type A-B Make-Extron/Lightware/Biamp Model-Biamp EasyConnect USB3-10-AB SITC of the proposed 3 m (10 ft) passive USB Type-A to Type-B cable conforming to USB 3.x SuperSpeed and supporting minimum 5 Gbps data transfer, backward compatibility with USB 2.0/1.1 where applicable.	2.00	No.	
	CCS32			Device-Type A-C Make-Extron/Lightware/Biamp Model-Biamp EasyConnect USB3-10-AC SITC of the proposed 3 m (10 ft) passive USB Type-A to Type-C cable conforming to USB 3.x SuperSpeed and supporting minimum 5 Gbps data transfer, backward compatibility where applicable. The Type-C connector shall support the data and power functions required by the connected conferencing peripheral.	2.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-AV Rack Make-Valrack / Cisco / WD Model-Valrack 12U AV RACK SITC of the proposed 12U AV equipment rack, minimum 600 mm width and depth selected to suit the deepest equipment plus cable bend radius having welded/knock-down steel construction with minimum 500 kg static load for floor racks, lockable perforated front/rear doors and removable side panels, adjustable mounting rails, forced ventilation sized from submitted heat-load calculation, vertical/horizontal cable managers, earthing bar, minimum 6-way PDU with MCB/surge protection, shelves, blanking panels, castors and levelling feet.	2.00	No.	
	CCS32			Device-Cables & Connectors Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	2.00	No.	
	CCS32						
	CCS32			5th Floor Standing & Subject Committee			
	CCS32			Device-Active LED Make-Xtreme Media/ViewSonic/Sony Model-Xtreme Media IGNIS P1.56mm SITC of the proposed seamless indoor fine-pitch direct-view LED system Size: 3000mm x 1687.5mm using advanced Flip-Chip COB technology, having pixel pitch not exceeding 1.56 mm; modular die-cast aluminium cabinets of 600 x 337.5 mm; common-anode architecture; maximum brightness minimum 600 nits; contrast ratio minimum 20,000:1; refresh rate minimum 3,840 Hz; data processing minimum 13-bit; front/back ingress protection minimum IP60/IP50; maximum power consumption not more than 275 W/m²; and cabinet weight not more than 21 kg/m². The complete system shall include LED cabinets/modules to achieve the approved active image size and resolution, controller/scaler, mounting structure, power and data distribution, calibration, all required cables and accessories, minimum 5% spare LED modules and spare PSU/receiving cards, heat-load and structural calculations shall be included	2.00	No.	
	CCS32			Device-Confidence Monitor Make-ViewSonic/Sony/NEC Model-Viewsonic CN6501-1C SITC of the proposed 65-inch commercial 4K UHD presentation display having native 3840 x 2160 resolution, minimum 520-nit brightness, 5000:1 contrast ratio, 178° viewing angles, anti-glare surface, minimum 50,000-hour backlight life and continuous 24/7 landscape/portrait operation. It shall provide minimum two HDMI 2.1 inputs with HDCP 2.2, USB-C with DisplayPort video and minimum 15 W power delivery, USB media ports, LAN, RS-232 control, integrated 2 x 10 W speakers, embedded signage platform and wireless casting through AirPlay, Miracast and Chromecast. VESA mounting, remote, power cable.	2.00	No.	
	CCS32			Device-Floor Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed heavy-duty mounting system sized for the offered display and site structure, having minimum safe working load four times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish. Complete brackets, anchors, fasteners, safety hardware, alignment and testing shall be included.	2.00	No.	
	CCS32			Device-Display Make-ViewSonic/Sony/NEC Model-Viewsonic CN6501-1C SITC of the proposed 65-inch commercial 4K UHD presentation display having native 3840 x 2160 resolution, minimum 520-nit brightness, 5000:1 contrast ratio, 178° viewing angles, anti-glare surface, minimum 50,000-hour backlight life and continuous 24/7 landscape/portrait operation. It shall provide minimum two HDMI 2.1 inputs with HDCP 2.2, USB-C with DisplayPort video and minimum 15 W power delivery, USB media ports, LAN, RS-232 control, integrated 2 x 10 W speakers, embedded signage platform and wireless casting through AirPlay, Miracast and Chromecast. VESA mounting, remote, power cable.	4.00	No.	
	CCS32			Device-Wall Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed heavy-duty mounting system sized for the offered display and site structure, having minimum safe working load four times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish. Complete brackets, anchors, fasteners, safety hardware, alignment and testing shall be included.	4.00	No.	
	CCS32			Device-Display Make-ViewSonic/Sony/NEC Model-Viewsonic CN4301-1C SITC of the proposed 43-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	4.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-Wall Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	4.00	No.	
	CCS32			Device-25X PTZ Cameras Make-Aver/DVDO/Sony Model-DVDO C5 SITC of the proposed professional 4K PTZ camera having minimum 25x optical zoom, high-sensitivity image sensor, HDMI, 3G-SDI, USB and IP video outputs as applicable, and simultaneous streaming/control over the network. It shall support autofocus, wide dynamic range, low-light operation, pan/tilt presets, AI-based auto-framing and presenter/speaker tracking, and standard control protocols including VISCA over IP/RS-232/RS-422. PoE+ power, wall/ceiling mount, remote/controller compatibility, power supply, cabling, firmware, configuration and testing shall be included. Exact sensor, field of view, zoom, output formats.	6.00	No.	
	0			Device-Mounting Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	6.00	No.	
	CCS32			Device-HDMI Extender Make-DVDO/Extron/Lightware Model-DVDO-Xtend-Pair150 SITC of the proposed HDBaseT transmitter/receiver pair extending 4K60 HDMI up to 150 m over category cable, having HDCP, bidirectional control/IR as supported, PoC and required power supplies/mounting accessories. It shall support minimum 4K60 4:4:4 or approved system format, HDCP 2.2, minimum 150 m over approved Cat6A where specified, bidirectional control/IR, PoC, EDID management, ESD protection and all power/mounting accessories.	8.00	No.	
	CCS32			Device-Multiviewer Make-EDS/DVDO/Extron Model-EDS Auruga VM SITC of the proposed proposed multiviewer providing multiviewer shall meet the specified functional requirements and include all power supplies, mounting hardware, licenses, interconnecting accessories, OEM warranty, testing and commissioning. Bidder shall submit the official manufacturer datasheet and clause-by-clause compliance statement. Bidder shall state input/output count and formats, maximum resolution/frame rate, layout presets, labels/tallies, low-latency processing, scaling, audio handling, control interfaces.	2.00	No.	
	CCS32			Device-Capture Card Make-Inogeni/DVDO/Biamp Model-DVDO-USB3.2-Capture-Pro SITC of the proposed proposed capture card providing professional USB 3.2 video capture interface supporting uncompressed HDMI capture up to 4K input and broadcast-quality USB output, UVC/UAC compatibility, embedded audio and plug-and-play operation. State maximum HDMI input and USB output resolution/frame rate, UVC/UAC compliance, chroma sampling, audio embedding, latency and supported operating systems.	2.00	No.	
	CCS32			Device-Joystick Make-Aver/DVDO/Sony Model-DVDO-Camera-Ctl-1 SITC of the proposed professional IP PTZ camera controller having an integrated colour touchscreen and multi-axis joystick for smooth pan, tilt and zoom operation. It shall support control of multiple cameras over IP and serial interfaces using standard protocols including VISCA, VISCA-over-IP, ONVIF and Pelco as applicable, with camera selection, preset storage/recall, focus, exposure, white-balance and speed controls. Network connectivity, PoE or approved power supply, firmware, desktop mounting, patch cables, programming of all camera addresses/presets, labeling, operator training and functional testing shall be included.	2.00	No.	
	CCS32			Device-Recorder & Streamer Make-BXB/BRX/AJA Model-BXB HDR 731 SITC of the proposed Hardware streaming/recording processor having multi-input video capture, simultaneous recording and live streaming, H. 264/H.265 encoding as supported, local/network storage, HDMI monitoring, scheduled operation and web-based management. Minimum simultaneous input, recording and streaming channels; supported resolution/frame rate/codecs; storage capacity; network protocols; redundancy; scheduling; metadata; and remote management shall be stated.	2.00	No.	
	CCS32			Device-DSP Make-Shure/Biamp/Symetrix Model-Biamp TesiraFORTÉ AVB VT SITC of the proposed fixed-I/O digital signal processor for professional conferencing and sound reinforcement, having minimum 12 analog mic/line inputs and 8 analog outputs, configurable USB audio, AVB or equivalent networked audio, acoustic echo cancellation, automixing, matrix mixing, equalization, dynamics, delay, feedback suppression and logic/control functions. It shall support secure Ethernet configuration and monitoring and include required software, licenses, rack accessories, programming, tuning, commissioning and handover of editable configuration files.	2.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-POE Make-Biamp/BRX/Extron Model-Biamp POE29U-1AT(PL)D-R SITC of the proposed proposed poe providing iEEE 802.3at PoE+ midspan/injector with minimum 30 W output at the powered-device port, 1GbE pass-through, 100–240 VAC input, short-circuit/over-voltage protection, status LEDs and regulatory certification. The bidder shall confirm compatibility and power class for the connected endpoint.	2.00	No.	
	CCS32			Device-USB Extender Make-Shure/Biamp/Symetrix Model-Biamp Tesira EX-USB SITC of the proposed Networked USB audio expander for Tesira systems having minimum 2×2 configurable USB audio channels, AVB network connectivity, PoE operation and software-configurable routing for conferencing applications. Minimum USB 3.x data rate and maximum certified extension length shall be stated; include transparent support for cameras, audio and HID devices, power delivery where required, ESD protection and all transmitter/receiver power and mounting accessories.	2.00	No.	
	CCS32			Device-Amplifier Make-D&B/Tannoy/Biamp Model-Biamp Voltera A 600.4 SITC of the proposed compact four-channel Class-D amplifier having minimum 600 W total shared output; nominal 150 W per channel with power sharing up to twice the nominal channel rating; each channel independently selectable for 4/8 ohm, 70 V or 100 V operation; balanced inputs, protection/limiting, remote standby and status indication; half-rack width with single or tandem 1RU mounting accessories. Equivalent approved make shall provide equal or better total power and mixed high-/low-impedance flexibility.	2.00	No.	
	CCS32			Device-Ceiling Speakers Make-D&B/Tannoy/Biamp Model-Biamp CM20DT SITC of the proposed two-way flush-mount ceiling loudspeaker for speech and music reproduction, having minimum 5.25-inch low-frequency driver with dome tweeter, wide and uniform coverage, 30 Watts at 16 Ohms low-impedance and 20, 10, 5 watts tapping at 70/100 V transformer operation with selectable power taps, paintable magnetic grille and plenum-rated backcan where required.	22.00	No.	
	CCS32			Device-Gooseneck Mic Make-Audio Technica/Televic/Shure Model-Audio Technica U857QL + AT8668S + AT8153 SITC of the proposed professional cardioid condenser gooseneck microphone system comprising a flexible gooseneck microphone, shock-isolated desk base with programmable mute switch and status indication, and compatible windscreen. It shall provide speech-optimized frequency response, balanced low-impedance output, phantom-power operation, RF interference protection and stable tabletop use. Complete cable, connector, base, windscreen, configuration, testing.	4.00	No.	
	CCS32			Device-Chiarman Unit Make-Audio Technica/Televic/Stapes Model-STAPES /ST-EM-C SITC of the proposed chairman discussion unit having gooseneck microphone connection, integrated loudspeaker, microphone on/off control, chairman priority/override key, status indication and digital daisy-chain connectivity. The unit shall permit the chairman to activate or interrupt discussion microphones in accordance with the configured meeting mode. Complete microphone, interconnection cable, termination accessories, configuration shall be included.	6.00	No.	
	CCS32			Device-Delegate Unit Make-Audio Technica/Televic/Stapes Model-STAPES / ST-EM D SITC of the proposed delegate discussion unit having gooseneck microphone connection, integrated loudspeaker, microphone request/on-off control, status indication and digital daisy-chain connectivity. It shall support automatic or operator-managed discussion modes, clear speech reproduction and secure connection to the specified conference control unit. Complete microphone, interconnection cable, termination accessories, addressing, configuration and testing shall be included.	52.00	No.	
	CCS32			Device-Control Unit Make-Audio Technica/Televic/Stapes Model-STAPES /ST-INT CU- M SITC of the proposed digital conference discussion-system control unit capable of powering, controlling and monitoring all scheduled chairman and delegate discussion units through expandable daisy-chain or loop connectivity. It shall provide configurable microphone operating modes, chairman priority management, audio input/output, system diagnostics and control interfaces available on the offered model. Complete rack mounting, required power supplies, interface cables, configuration software, programming, testing and commissioning shall be included.	2.00	No.	
	CCS32			Device-Presentation Switcher Make-Kramer/DVDO/Biamp Model-Kramer VS-66H2 + FC46H2 SITC of the proposed professional 6 x 6 HDMI matrix switching system with associated audio embed/de-embed interface, supporting independently routable HDMI inputs and outputs up to 4K UHD at 60 Hz, 4:4:4 colour, HDR and HDCP 2.2. It shall provide EDID management, reclocking/equalization, embedded and balanced analog audio routing, front-panel controls, presets and remote control through Ethernet and RS-232. Complete rack mounting, power supplies, control integration, certified interconnects, configuration, firmware and testing shall be included.	2.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-Cable Cubby Make-BRX/Biamp/Kramer Model-BRX FLP-BL-UNIV2 SITC of the proposed recessed tabletop cable cubby with black metal finish and universal modular connectivity provision, suitable for flush installation in the conference table. It shall provide an accessible power outlet and configurable AV/data modules for HDMI, USB-C, USB-A, network and other scheduled services, with a smooth lift-up/flip lid, cable pass-through, strain relief and safe separation of mains and ELV wiring. Complete back box, modules, power cord, AV tails, fixing hardware, earthing, labeling, table cut-out template shall be included.	4.00	No.	
	CCS32			Device-Presentation Extender TX Make-Kramer/DVDO/Biamp Model-Kramer SWT3-21-HU-TR SITC of the proposed 2-input presentation switcher/transmitter combining USB-C and HDMI source switching with 4K60 video and USB extension over a single Cat6A/HDBaseT-class link. USB-C shall support DisplayPort Alt Mode and power delivery as offered; the unit shall support HDCP, HDR, EDID management, automatic/manual switching, USB host/device routing and bidirectional control. Minimum transmission distance shall be 70 m at 4K over approved cable. Complete mounting, power/PoC arrangement, receiver compatibility, patch leads, programming and testing shall be included.	4.00	No.	
	0			Device-Presentation Extender RX Make-Kramer/DVDO/Biamp Model-Kramer EXT3-XR-TR SITC of the proposed long-reach 4K receiver for the specified presentation extender system, receiving video, USB, audio and control over a single Cat6A/HDBaseT-class link at minimum 70 m for 4K signals. It shall provide HDMI output, USB peripheral ports, bidirectional RS-232/IR or equivalent control, HDCP/HDR/EDID compatibility and PoC/PoH where supported. Complete mounting hardware, power arrangement, certified patch leads, firmware, configuration and end-to-end testing with the paired transmitter shall be included.	4.00	No.	
	CCS32			Device-USB Switcher Make-Kramer/DVDO/Biamp Model-Kramer SWT3-41-U SITC of the proposed professional four-input USB host switcher permitting one set of USB conferencing peripherals to be selected among four host computers. It shall support USB 3.x SuperSpeed data at minimum 5 Gbps, transparent USB 2.0/1.1 compatibility, automatic or controlled host switching, status indication and external control through contact closure/RS-232/Ethernet as offered. Complete power supply, mounting hardware, certified USB cables, control integration, configuration and functional testing with all connected hosts and peripherals shall be included.	2.00	No.	
	CCS32			Device-Juction Box Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed AV junction box fabricated from corrosion-resistant metal or approved engineering polymer, sized for the scheduled power, audio, video, data and control terminations. It shall provide segregated routing for mains and ELV circuits, removable labelled connector plates, cable glands, strain relief, earthing and lockable service access. Complete connectors, terminal blocks, internal wiring, mounting hardware, identification labels, continuity testing and installation shall be included.	2.00	No.	
	CCS32			Device-HDMI DA Make-Kramer/DVDO/Biamp Model-Kramer DA3-18-H SITC of the proposed 1-input to 8-output professional HDMI distribution amplifier supporting signals up to 4K UHD at 60 Hz, HDR, HDCP 2.2 or better, EDID management, signal equalization/reclocking and simultaneous distribution to all outputs without degradation. It shall include locking power supply, mounting accessories, certified HDMI patch leads, configuration and end-to-end testing. Equivalent approved make/model meeting or exceeding the input/output count and video bandwidth shall be acceptable.	2.00	No.	
	CCS32			Device-HDMI TX Make-Kramer/DVDO/Biamp Model-Kramer KRAMER TP-583-T SITC of the proposed 4K HDR HDMI transmitter over HDBaseT or equivalent long-reach twisted-pair technology, supporting HDMI 2.0 signals up to 4K at 60 Hz with 4:4:4 colour, HDR and HDCP 2.2, together with bidirectional RS-232 and IR control. It shall transmit minimum 70 m at 4K over approved shielded Cat6A cable and support EDID pass-through and reliable clock/data recovery. Complete power/PoC arrangement, mounting brackets, HDMI and network patch leads, termination, labeling and link testing with the paired receiver shall be included.	10.00	No.	
	CCS32			Device-HDMI RX Make-Kramer/DVDO/Biamp Model-Kramer KRAMER TP-583 R SITC of the proposed 4K HDR HDMI transmitter over HDBaseT or equivalent long-reach twisted-pair technology, supporting HDMI 2.0 signals up to 4K at 60 Hz with 4:4:4 colour, HDR and HDCP 2.2, together with bidirectional RS-232 and IR control. It shall transmit minimum 70 m at 4K over approved shielded Cat6A cable and support EDID pass-through and reliable clock/data recovery. Complete power/PoC arrangement, mounting brackets, HDMI and network patch leads, termination, labeling and link testing with the paired receiver shall be included.	10.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-HDMI TX Make-Kramer/DVDO/Biamp Model-Kramer KRAMER TP-583-T SITC of the proposed 4K HDR HDMI transmitter over HDBaseT or equivalent long-reach twisted-pair technology, supporting HDMI 2.0 signals up to 4K at 60 Hz with 4:4:4 colour, HDR and HDCP 2.2, together with bidirectional RS-232 and IR control. It shall transmit minimum 70 m at 4K over approved shielded Cat6A cable and support EDID pass-through and reliable clock/data recovery. Complete power/PoC arrangement, mounting brackets, HDMI and network patch leads, termination, labeling and link testing with the paired receiver shall be included.	4.00	No.	
	CCS32			Device-HDMI RX Make-Kramer/DVDO/Biamp Model-Kramer KRAMER TP-583 R SITC of the proposed 4K HDR HDMI transmitter over HDBaseT or equivalent long-reach twisted-pair technology, supporting HDMI 2.0 signals up to 4K at 60 Hz with 4:4:4 colour, HDR and HDCP 2.2, together with bidirectional RS-232 and IR control. It shall transmit minimum 70 m at 4K over approved shielded Cat6A cable and support EDID pass-through and reliable clock/data recovery. Complete power/PoC arrangement, mounting brackets, HDMI and network patch leads, termination, labeling and link testing with the paired receiver shall be included.	4.00	No.	
	CCS32			Device-Wireless Presenter Make-AirServer / Biamp/ DVDO Model-AirServer Connect 3 + Dongle SITC of the proposed enterprise wireless presentation gateway with companion plug-and-present dongle, supporting native AirPlay 2, Google Cast and Miracast, encrypted infrastructure casting, moderator control and simultaneous on-screen presentation. The appliance shall support 4K UHD output at 60 Hz, minimum 2.5 GbE LAN, WPA2/WPA3 and IEEE 802.1X security, touchback over supported protocols, centralized management and local-session privacy. USB-C/HDMI display connectivity, power supply, magnetic/security mount shall be included.	2.00	No.	
	CCS32			Device-Control System Make-Kramer/Extron/Biamp Model-Kramer KC-Virtual Brain1 + FC28 SITC of the proposed Programmable AV control platform based on functionality, having IP-based processor or virtual controller, minimum eight configurable serial/IR/relay/I/O interfaces through the stated gateway, Ethernet control, secure user authentication, scheduling, device monitoring, event logging and API/driver support for every proposed AV device. It shall include all perpetual licences, programming source code, GUI files, backups and minimum 3-year software support.	2.00	No.	
	CCS32			Device-Touch Panel Make-Apple Model-Apple iPad with Kramer Control Application SITC of the proposed Commercial touch-control interface using a current supported tablet/platform having minimum 10-inch display, Wi-Fi 6, minimum 64 GB storage, secure kiosk mode, licensed control application, protective enclosure, continuous charging dock, guided-access/device-management setup and minimum 3-year application support. Screen layouts and all source code shall be handed over.	2.00	No.	
	CCS32			Device-Docking Station Make-iPort/Lenevo/HP Model-iPort SITC of the proposed Secure docking/charging station compatible having the offered transmitter/tablet; simultaneous charging of the stated quantity, charge/status indication, over-voltage/temperature protection, concealed cable management, lockable or tamper-resistant mounting and all power supplies/adaptors included. For wireless batteries, provide networked battery-health/runtime reporting where supported.	2.00	No.	
	CCS32			Device-Room Scheduler Make-Biamp/Poly/Cisco Model-Biamp Evoko Liso SITC of the proposed networked room-booking panel having an approximately 8-inch capacitive anti-fingerprint touchscreen, colour status indication visible from a distance, proximity sensor and RFID support. It shall integrate with the specified calendar/room-booking platform, permit on-screen booking, extension, release and fault reporting, support centralized self-hosted management and minimum 20 interface languages, and operate through PoE or approved low-voltage adapter. Wall and glass mounting accessories, network/power cabling, software configuration, calendar integration CE/RoHS compliance shall be included	4.00	No.	
	CCS32			DeviceWifi Router Make-Netgear/Cisco/Juniper Model-Netgear WAX610 SITC of the proposed enterprise indoor dual-band Wi-Fi 6 access point conforming to IEEE 802.11ax and backward compatible with 802.11a/b/g/n/ac, having aggregate wireless speed minimum AX1800, OFDMA, MU-MIMO, beamforming, band steering, load balancing, multiple SSIDs/VLANs, WPA2/WPA3 enterprise security and cloud/centralized management. It shall support 2.4 GHz and 5 GHz operation in WPC-approved Indian bands, include a minimum 1 GbE PoE+ uplink and ceiling/wall mounting kit. Complete PoE provisioning, licenses/subscription stated separately, configuration, RF optimization shall be included.	2.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-Network Switch Make-Netgear/Cisco/Juniper Model-Netgear GSM4230P SITC of the proposed fully managed AV switch having at least 40 x 1GbE PoE+/PoE++ access ports, multi-gigabit support on required ports, minimum 8 x 10Gb SFP+ uplinks, high PoE budget suitable for all connected AV endpoints, non-blocking switching, IGMP/MLD multicast control, VLAN, QoS, PTP, L2/L3 features, AV profiles and redundant uplinks; 1RU rack mount. Bidder shall submit port-by-port PoE load and bandwidth calculations.	2.00	No.	
	CCS32			Device-AV Rack Make-Valrack / Cisco / WD Model-Valrack 24U AV RACK SITC of the proposed 24U AV equipment rack, minimum 600 mm width and depth selected to suit the deepest equipment plus cable bend radius having welded/knock-down steel construction with minimum 500 kg static load for floor racks, lockable perforated front/rear doors and removable side panels, adjustable mounting rails, forced ventilation sized from submitted heat-load calculation, vertical/horizontal cable managers, earthing bar, minimum 6-way PDU with MCB/surge protection, shelves, blanking panels, castors and levelling feet.	2.00	No.	
	CCS32			Device-Cables & Connectors Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	2.00	No.	
	CCS32						
	0			Commissioner Lounge	1.00	No.	
	CCS32			Mayor Lounge	1.00	No.	
	CCS32			6th Lower Floor Mahasabha Hall			
	CCS32			Device-Active LED Make-Xtreme Media/ViewSonic/Sony Model-Xtreme Media Nyx P2.00mm SITC of the proposed seamless indoor fine-pitch direct-view LED display of approximately 3840 mm x 2400 mm active size and pixel pitch not exceeding 2.0 mm, using modular front-service cabinets with wide viewing angle, minimum 600-nit brightness, refresh rate minimum 3,840 Hz and high contrast. The complete system shall include LED cabinets/modules, controller/scaler, mounting structure, power and data distribution, calibration, all cables and accessories, minimum 5% spare modules and spare PSU/receiving cards, heat-load and structural calculations, power consumption and certifications shall be submitted.	2.00	No.	
	CCS32			Device-Confidence Monitor Make-ViewSonic/Sony/NEC Model-Viewsonic CN5501-1C SITC of the proposed 55-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	3.00	No.	
	CCS32			Device-Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	3.00	No.	
	CCS32			Device-Confidence Monitor Make-ViewSonic/Sony/NEC Model-Viewsonic CN5501-1C SITC of the proposed 55-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	3.00	No.	
	CCS32			Device-Wall Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	3.00	No.	
	CCS32			Device-Confidence Monitor Make-ViewSonic/Sony/NEC Model-Viewsonic CN5501-1C SITC of the proposed 55-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	2.00	No.	
	CCS32			Device-Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	2.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-Confidence Monitor Make-ViewSonic/Sony/NEC Model-Viewsonic CN4301-1C SITC of the proposed 43-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	2.00	No.	
	CCS32			Device-Wall Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	2.00	No.	
	CCS32			Device-25X PTZ Cameras Make-Aver/DVDO/Sony Model-DVDO C5 SITC of the proposed professional 4K PTZ camera having minimum 25x optical zoom, high-sensitivity image sensor, HDMI, 3G-SDI, USB and IP video outputs as applicable, and simultaneous streaming/control over the network. It shall support autofocus, wide dynamic range, low-light operation, pan/tilt presets, AI-based auto-framing and presenter/speaker tracking, and standard control protocols including VISCA over IP/RS-232/RS-422. PoE+ power, wall/ceiling mount, remote/controller compatibility, power supply, cabling, firmware, configuration and testing shall be included. Exact sensor, field of view, zoom, output formats.	3.00	No.	
	CCS32			Device-Mounting Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	3.00	No.	
	CCS32			Device-Multiviwer Make-EDS/DVDO/Extron Model-EDS AURIGA VM SITC of the proposed proposed multiviewer providing multiviewer shall meet the specified functional requirements and include all power supplies, mounting hardware, licenses, interconnecting accessories, OEM warranty, testing and commissioning. Bidder shall submit the official manufacturer datasheet and clause-by-clause compliance statement. Bidder shall state input/output count and formats, maximum resolution/frame rate, layout presets, labels/tallies, low-latency processing, scaling, audio handling, control interfaces.	1.00	No.	
	CCS32			Device-Capture Card Make-Inogeni/DVDO/Biamp Model-DVDO-USB3.2-Capture-Pro SITC of the proposed proposed capture card providing professional USB 3.2 video capture interface supporting uncompressed HDMI capture up to 4K input and broadcast-quality USB output, UVC/UAC compatibility, embedded audio and plug-and-play operation. State maximum HDMI input and USB output resolution/frame rate, UVC/UAC compliance, chroma sampling, audio embedding, latency and supported operating systems.pture-Pro	1.00	No.	
	CCS32			Device-Joystick Make-Aver/DVDO/Sony Model-DVDO-Camera-Ctl-1 SITC of the proposed professional IP PTZ camera controller having an integrated colour touchscreen and multi-axis joystick for smooth pan, tilt and zoom operation. It shall support control of multiple cameras over IP and serial interfaces using standard protocols including VISCA, VISCA-over-IP, ONVIF and Pelco as applicable, with camera selection, preset storage/recall, focus, exposure, white-balance and speed controls. Network connectivity, PoE or approved power supply, firmware, desktop mounting, patch cables, programming of all camera addresses/presets, labeling, operator training and functional testing shall be included.	1.00	No.	
	CCS32			Device-Recorder & Streamer Make-BXB/BRX/AJA Model-BXB HDR 731 SITC of the proposed Hardware streaming/recording processor having multi-input video capture, simultaneous recording and live streaming, H. 264/H.265 encoding as supported, local/network storage, HDMI monitoring, scheduled operation and web-based management. Minimum simultaneous input, recording and streaming channels; supported resolution/frame rate/codecs; storage capacity; network protocols; redundancy; scheduling; metadata; and remote management shall be stated.	1.00	No.	
	0			Device-HDMI TX Make-Extron/Kramer/Biamp Model-KRAMER TP-583-T SITC of the proposed 4K HDR HDMI transmitter over HDBaseT or equivalent long-reach twisted-pair technology, supporting HDMI 2.0 signals up to 4K at 60 Hz with 4:4:4 colour, HDR and HDCP 2.2, together with bidirectional RS-232 and IR control. It shall transmit minimum 70 m at 4K over approved shielded Cat6A cable and support EDID pass-through and reliable clock/data recovery. Complete power/PoC arrangement, mounting brackets, HDMI and network patch leads, termination, labeling and link testing with the paired receiver shall be included.	4.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-HDMI RX Make-Extron/Kramer/Biamp Model-KRAMER TP-583 R SITC of the proposed 4K HDR HDMI receiver over HDBaseT or equivalent long-reach twisted-pair technology, supporting HDMI 2.0 output up to 4K at 60 Hz with 4:4:4 colour, HDR and HDCP 2.2, together with bidirectional RS-232 and IR control. It shall receive minimum 70 m at 4K over approved shielded Cat6A cable and support EDID pass-through and reliable clock/data recovery. Complete power/PoC arrangement, mounting brackets, HDMI and network patch leads, termination, labeling and link testing with the paired transmitter shall be included.	4.00	No.	
	CCS32			Device-FOH Speakers Make-D&B/Tannoy/Biamp Model-Biamp IP6-1122/96B SITC of the proposed high-output passive 2-way point-source loudspeaker having one 12-inch LF driver and large-format compression HF driver; rotatable nominal 90° H x 60° V pattern; bi-amp/passive operation as offered; minimum LF continuous rating 600 W class, sensitivity minimum 96 dB and peak SPL minimum 130 dB; frequency range suitable for full-range speech/music reinforcement; weather-resistant plywood enclosure, steel grille, multiple engineered M10 rigging points and NL4-compatible connectors. It shall include exact EASE/GLL data, structural rigging and manufacturer DSP presets.	4.00	No.	
	CCS32			Device-Mounting Make-Biamp/BRX/Extron Model-Biamp IUB1122B SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	4.00	No.	
	CCS32			Device-Front Speakers Make-D&B/Tannoy/Biamp Model-Biamp EX-S6-UB-B SITC of the proposed passive 2-way coaxial surface loudspeaker having 6.5-inch LF driver and compression HF driver; nominal 8-ohm plus 70/100 V transformer operation; minimum 200 W continuous at 8 ohms; broad conical coverage suitable for front-fill use; weather-resistant indoor/outdoor enclosure; include low-profile U-bracket, safety attachment, transformer tap selector and manufacturer-approved DSP/limiter preset.	2.00	No.	
	CCS32			Device-Ceiling Speakers Make-D&B/Tannoy/Biamp Model-Biamp CM20DT SITC of the proposed two-way flush-mount ceiling loudspeaker for speech and music reproduction, having minimum 5.25-inch low-frequency driver with dome tweeter, wide and uniform coverage, 30 Watts at 16 Ohms low-impedance and 20, 10, 5 watts tapping at 70/100 V transformer operation with selectable power taps, paintable magnetic grille and plenum-rated backcan where required.	8.00	No.	
	CCS32			Device-Amplifier Make-D&B/Tannoy/Biamp Model-Biamp ALC-1604D SITC of the proposed four-channel networked amplified loudspeaker controller having Class-D amplification, integrated 48 kHz DSP and Dante/AES67 or equivalent open network audio; minimum 4 x 1,600 W at 2 ohms or 70/100 V, 4 x 1,400 W at 4 ohms, 4 x 1,250 W at 8 ohms, shared power minimum 4,800 W, and bridge mode minimum 3,200 W at 4 ohms; four analog plus four network inputs; per-channel low-/high-impedance selection; FIR/IIR EQ, crossover, delay, RMS/peak/current limiting, load monitoring, presets and remote fault monitoring; 20 Hz–20 kHz response, THD+N below 0.1%; 1RU rack chassis.	1.00	No.	
	CCS32			Device-Amplifier Make-D&B/Tannoy/Biamp Model-Biamp REVAMP4240T SITC of the proposed professional four-channel Class-D power amplifier for low-impedance and 70/100 V distributed loudspeaker systems, delivering minimum 4 x 240 W with bridge/parallel flexibility as offered. It shall provide balanced line inputs, loudspeaker terminal outputs, input gain controls, high-pass filtering, signal/limit/protection indication, thermal/over-current/short-circuit protection, efficient standby operation and rack mounting. Complete rack accessories, connectors, power and signal cables, shall be included.	1.00	No.	
	CCS32			Device-DSP Make-Shure/Biamp/Symetrix Model-Biamp TesiraFORTÉ DAN CI SITC of the proposed fixed 1RU audio DSP having at least 12 mic/line inputs each with AEC and 48 V phantom power, 8 balanced mic/line outputs, minimum 32 x 32 Dante/AES67 network audio, USB audio, Ethernet control, RS-232 and GPIO; 24-bit/48 kHz processing; configurable matrix mixing, automixing, EQ, filters, dynamics, delay, routing, monitoring and diagnostics; frequency response 20 Hz–20 kHz, dynamic range minimum 108 dB shall be included.	1.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-Gooseneck Mic Make-Audio Technica/Televic/Shure Model-Audio Technica U857QL + AT8668S + AT8153 SITC of the proposed professional quick-mount cardioid condenser gooseneck microphone assembly comprising a long gooseneck microphone, anti-shock switched desk stand and two-stage foam windscreen. The microphone shall have a flexible small-diameter gooseneck of approximately 481 mm (18.94 inches), cardioid polar pattern with approximately 120° acceptance angle, frequency response 30 Hz–20 kHz, switchable flat/80 Hz low-frequency roll-off, sensitivity approximately -39 dB, balanced output impedance approximately 250 ohms, maximum input level minimum 139 dB SPL, dynamic range minimum 115 dB and signal-to-noise ratio minimum 70 dB. It shall incorporate RF-interference shielding and an integral 3-pin XLRM-type connector. The desk stand shall provide XLRF microphone input, XLRM output, press-on/press-off mute switch with illuminated microphone-on indication, minimum 55 dB mute attenuation at 1 kHz, anti-shock isolation and operation from 24–48 V DC phantom power; Complete microphone, switched desk stand, two-stage foam windscreen, mating connectors and required balanced audio cable shall be included.	2.00	No.	
	CCS32			Device-Chiarman Unit Make-Audio Technica/Televic/Stapes Model-STAPES /ST-615C2 SITC of proposed Chairman Conference Unit shall be a fully digital, table-embedded conference unit with an integrated high-fidelity microphone, touch-sensitive controls, OLED display, and speaker status indicators. It shall support priority speaking, microphone control, delegate speaking-request approval/rejection, speech timing, electronic voting, participant sign-in, and camera tracking through the central system. The unit shall support digital audio transmission at 48 kHz, frequency response of 30 Hz–20 kHz, automatic gain control, digital equalization, and echo/noise cancellation or equivalent processing. It shall feature a robust aluminium panel with a touch-sensitive glass surface, a 3.5 mm headphone output with adjustable volume, and compatible digital conference connectivity.	5.00	No.	
	CCS32			Device-Delegate Unit Make-Audio Technica/Televic/Stapes Model-STAPES /ST-615D2 SITC of proposed Delegate Conference Unit shall be a fully digital, table-embedded conference unit featuring a high-fidelity microphone, touch-sensitive controls, OLED display, and speaker status indication. It shall support delegate speaking requests, conference discussion, electronic voting, participant sign-in, speech timing, and camera tracking through the central system. The unit shall support digital audio transmission at 48 kHz, frequency response of 30 Hz–20 kHz, automatic gain control, digital equalization, and echo/noise cancellation or equivalent processing. It shall feature a robust aluminium panel with a touch-sensitive glass surface, a 3.5 mm headphone output with adjustable volume, and compatible digital conference connectivity with loop-through or daisy-chain support.	230.00	No.	
	CCS32			Device-Control Unit Make-Audio Technica/Televic/Stapes Model-STAPES INT CUR M9 SITC of proposed central system shall provide integrated control and management of conference units, comprising Chairman and Delegate Units, supporting microphone management, speaking permissions, participant identification, electronic voting, sign-in, and conference proceedings. The system shall comprise the following components: Intelligent Conference Controller, Touch-controlled digital controller supporting conference mode selection, microphone management, speaking limits, chairman priority, unit identification, and system status monitoring. The complete system shall support integrated conference discussion, electronic voting, participant management, speech timing, chairman priority, and automatic camera tracking with the proposed camera	3.00	No.	
	CCS32			Device-Server With Software Make-Audio Technica/Televic/Stapes Model-STAPES ST-VOTE20 + ST-VOTE1.0 SITC of proposed Electronic Voting Server – Dedicated voting server supporting configurable voting rules, pass thresholds, voting countdown, attendance calculation, confidential voting, and result management & Conference Management Software – Software for participant management, unit identification, sign-in, speaking-request control, voting, and real-time system monitoring, including web-based chairman control where supported.	1.00	No.	
	CCS32			Device-Extension Host Make-Audio Technica/Televic/Stapes Model-STAPES ST-650 K SITC of proposed Conference Extension Host-Compatible extension units for digital signal distribution and system expansion, supporting reliable interconnection of conference units.	2.00	No.	
	CCS32			Device-Power Supply Make-Audio Technica/Televic/Stapes Model-STAPES ST-PBX SITC of proposed Power Supply Extension Box – Dedicated power distribution units compatible with the proposed conference system and capable of supporting the specified system configuration.	18.00	No.	
	CCS32			Device-Touch Panel Make-Apple Model-Apple iPad with Microphone Control Application SITC of the proposed Commercial touch-control interface using a current supported tablet/platform having minimum 10-inch display, Wi-Fi 6, minimum 64 GB storage, secure kiosk mode, licensed control application, protective enclosure, continuous charging dock,guided-access/device-management setup. Screen layouts and all source code shall be handed over.	2.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-Docking Station Make-iPort/Lenevo/HP Model-iPort SITC of the proposed Secure docking/charging station compatible having the offered transmitter/tablet; simultaneous charging of the stated quantity, charge/status indication, over-voltage/temperature protection, concealed cable management, lockable or tamper-resistant mounting and all power supplies/adaptors included. For wireless batteries, provide networked battery-health/runtime reporting where supported.	2.00	No.	
	0			Device-Cable Cubby Make-BRX/Biamp/Kramer Model-BRX FLP-BL-UNIV2 SITC of the proposed recessed tabletop cable cubby with black metal finish and universal modular connectivity provision, suitable for flush installation in the conference table. It shall provide an accessible power outlet and configurable AV/data modules for HDMI, USB-C, USB-A, network and other scheduled services, with a smooth lift-up/flip lid, cable pass-through, strain relief and safe separation of mains and ELV wiring. Complete back box, modules, power cord, AV tails, fixing hardware, earthing, labeling, table cut-out template shall be included.	2.00	No.	
	CCS32			Device-AVoIP Encoder Make-Extron/Kramer/Biamp Model-Kramer KDS-17EN SITC of the proposed AV-over-IP encoder having HDMI and DisplayPort input, video up to 4K60 with 4:4:4, HDCP 2.2, visually lossless low-latency transport not exceeding 1.5 frames, 8-channel PCM audio embedding/de-embedding, two balanced mic/line inputs, 1Gb copper and 10Gb SFP+ media ports plus separate control Ethernet, IEEE 802.1X, RS-232 and four GPIO; half-rack chassis.	12.00	No.	
	CCS32			Device-AVoIP Encoder Make-Extron/Kramer/Biamp Model-Kramer KDS-17DEC SITC of the proposed AV-over-IP decoder having HDMI output supporting up to 4K60, HDCP 2.2, visually lossless low-latency transport not exceeding 1.5 frames, multichannel PCM audio de-embedding, 1Gb copper and 10Gb SFP+ media ports plus separate control Ethernet, IEEE 802.1X, RS-232 and GPIO; half-rack chassis.approved make must interoperate end-to-end with all proposed encoders, switching and control.	18.00	No.	
	CCS32			Device-AVoIP Manager Make-Extron/Kramer/Biamp Model-Kramer AVoIP Manager SITC of the proposed centralized AV-over-IP management and control platform compatible with the complete offered encoder, decoder and network-switching system; providing automatic endpoint discovery, device registration, source-to-destination routing, matrix switching, multicast configuration, video-wall layouts, presets, room/group management, endpoint naming, status monitoring, fault alerts, event logs and remote firmware/configuration management. The platform shall support secure role-based user access, HTTPS authentication, configuration backup and restore, API integration with the proposed room-control system, and scalable expansion for all scheduled endpoints plus minimum 20% spare capacity. It shall include the required server/appliance or virtual-machine resources, all perpetual licences, software, commissioning, configuration files.	1.00	No.	
	CCS32			Device-Lighting controller Make-Dynalite/Lutron/Casambi Model-Dynalite DDBC320-DALI V4 SITC of the proposed multi-channel DALI lighting controller having minimum two independent DALI buses or equivalent scheduled capacity, integrated bus power supply, programmable scenes, dimming, scheduling, diagnostics and integration with the specified lighting-control network. It shall support control of DALI and DALI-2 compatible drivers as applicable and include enclosure mounting, connectors, addressing, programming of editable configuration files.	2.00	No.	
	CCS32			Device-Relay Controller Make-Dynalite/Lutron/Casambi Model-Dynalite DDRC810DT-GL SITC of the proposed eight-channel relay controller for lighting and auxiliary loads, with individually addressable outputs rated for the connected load types, manual override, status indication and network communication with the specified lighting-control system. It shall provide electrical isolation, over-current protection coordination and DIN-rail or enclosure mounting. Complete wiring accessories, programming shall be included.	2.00	No.	
	CCS32			Device-Communication Module Make-Dynalite/Lutron/Casambi Model-Dynalite DACM-V4 SITC of the proposed programmable lighting-control communication and application module providing the required network interface, logic, scheduling, event handling and integration between lighting controllers, user interfaces and third-party systems. It shall support the manufacturer's control protocol and specified serial/IP interfaces. Complete licenses, connectors, enclosure mounting, programming of editable project files shall be included.	2.00	No.	
	CCS32			Device-Button Panel Make-Dynalite/Lutron/Casambi Model-Dynalite PA6BPE-WW-X SITC of the proposed six-button programmable wall control panel with configurable scene, on/off, raise/lower or function commands, LED status indication and engraved or printed labels. The panel shall communicate over the specified lighting-control network and include matching faceplate, back box, mounting hardware, bus connector, programming, labelling.	2.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-Ethernet gateway Make-Dynalite/Lutron/Casambi Model-Dynalite PDEG SITC of the proposed Ethernet gateway for secure IP integration, configuration and monitoring of the lighting-control network. It shall provide 10/100 Ethernet or better, native connection to the specified lighting bus, web or software-based commissioning, time synchronization, diagnostics and API/integration support as required. Complete power supply or PoE provision, mounting hardware, licenses, network configuration shall be included.	1.00	No.	
	CCS32			Device-Control System Make-Kramer/Extron/Biamp Model-Kramer KC-Virtual Brain1 + FC28 SITC of the proposed Programmable AV control platform based on functionality, having an IP-based processor or virtual controller, a minimum of eight configurable serial/IR/relay/I/O interfaces through the stated gateway, Ethernet control, secure user authentication, scheduling, device monitoring, event logging, and API/driver support for every proposed AV device. It shall include all perpetual licences, programming source code, GUI files, backups.	1.00	No.	
	CCS32			Device-Touch Panel Make-Apple Model-Apple iPad with Kramer Control Application SITC of the proposed Commercial touch-control interface using a current supported tablet/platform having minimum 10-inch display, Wi-Fi 6, minimum 64 GB storage, secure kiosk mode, licensed control application, protective enclosure, continuous charging dock, guided-access/device-management application support. Screen layouts and all source code shall be handed over.	1.00	No.	
	CCS32			Device-Docking Station Make-iPort/Lenevo/HP Model-Iport SITC of the proposed Secure docking/charging station compatible having the offered transmitter/tablet; simultaneous charging of the stated quantity, charge/status indication, over-voltage/temperature protection, concealed cable management, lockable or tamper-resistant mounting and all power supplies/adaptors included. For wireless batteries, provide networked battery-health/runtime reporting where supported.	1.00	No.	
	CCS32			Device-Network Switch Make-Netgear/Cisco/Juniper Model-Netgear GSM4248UX SITC of the proposed fully managed AV switch having at least 40 x 1GbE PoE+/PoE++ access ports, multi-gigabit support on required ports, minimum 8 x 10Gb SFP+ uplinks, high PoE budget suitable for all connected AV endpoints, non-blocking switching, IGMP/MLD multicast control, VLAN, QoS, PTP, L2/L3 features, AV profiles and redundant uplinks; 1RU rack mount. Bidder shall submit port-by-port PoE load and bandwidth calculations.	2.00	No.	
	CCS32			Device-Core Switch Make-Netgear/Cisco/Juniper Model-Netgear XSM4328FV SITC of the proposed managed 10Gb core/aggregation switch having at least 24 x 10G SFP+ and 4 x 10G copper or equivalent high-speed interfaces; non-blocking architecture, stacking/redundancy, L2/L3 routing, IGMP/MLD multicast, PTP, VLAN, QoS, link aggregation, redundant hot-swappable power options and 1RU rack mounting. Equivalent approved make shall meet the complete AV-over-IP bandwidth and resiliency calculation.	1.00	No.	
	CCS32			Device-DAC Cable Make-Netgear/Cisco/Juniper Model-Netgear AXC763 SITC of the proposed OEM-compatible 10G SFP+ direct-attach copper cable of specified length, passive construction, hot-swappable operation and compatibility having the proposed core/access switches. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	8.00	No.	
	CCS32			Device-Access Point Make-Netgear/Cisco/Juniper Model-Netgear WAX610 SITC of the proposed enterprise indoor dual-band Wi-Fi 6 access point conforming to IEEE 802.11ax and backward compatible with 802.11a/b/g/n/ac, having aggregate wireless speed minimum AX1800, OFDMA, MU-MIMO, beamforming, band steering, load balancing, multiple SSIDs/VLANs, WPA2/WPA3 enterprise security and cloud/centralized management. It shall support 2.4 GHz and 5 GHz operation in WPC-approved Indian bands, include a minimum 1 GbE PoE+ uplink and ceiling/wall mounting kit. Complete PoE provisioning, licenses/subscription stated separately, configuration, RF optimization, testing and statutory compliance shall be included.	3.00	No.	
	CCS32			Device-AV Rack Make-Valrack / Cisco / WD Model-Valrack 41U AV RACK SITC of the proposed 41U AV equipment rack, minimum 600 mm width and depth selected to suit the deepest equipment plus cable bend radius having welded/knock-down steel construction with minimum 500 kg static load for floor racks, lockable perforated front/rear doors and removable side panels, adjustable mounting rails, forced ventilation sized from submitted heat-load calculation, vertical/horizontal cable managers, earthing bar, minimum 6-way PDU with MCB/surge protection, shelves, blanking panels, castors and levelling feet.	1.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-Cables & Connectors Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1.00	No.	
	0						
	CCS32			Ante Room			
	CCS32			Device-Display Make-ViewSonic/Sony/NEC Model-Viewsonic CN4301-1C SITC of the proposed 43-inch class 4K UHD commercial display having wireless casting with AirPlay and Miracast for seamless connectivity, native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	34.00	No.	
	CCS32			Device-Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	34.00	No.	
	CCS32			Device-Cables & Connectors Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1.00	No.	
	CCS32						
	CCS32			VIP LIFT LOBBY			
	CCS32			Device-Signage Display Make-ViewSonic/Sony/NEC Model-Viewsonic CN4301-1C + Signage SITC of the proposed 43-inch class 4K UHD commercial display having Intuitive signage player supports various content formats, scheduling, and uninterrupted playback, wireless casting with AirPlay and Miracast for seamless connectivity, native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	7.00	No.	
	CCS32			Device-Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	7.00	No.	
	CCS32			Device-Cables & Connectors Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1.00	No.	
	CCS32				0.00		
	CCS32			HOD / Sabhapati	0.00		
	0			Device-Display Make-ViewSonic/Sony/NEC Model-Viewsonic CN5501-1C SITC of the proposed 55-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	37.00	No.	
	CCS32			Device-Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	37.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-Cables & Connectors Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1.00	No.	
	CCS32				0.00		
	CCS32			Lounge Area	0.00		
	CCS32			Device-Display Make-ViewSonic/Sony/NEC Model-Viewsonic CN5501-1C SITC of the proposed 55-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	1.00	No.	
	CCS32			Device-Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1.00	No.	
	CCS32			Device-Cables & Connectors Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1.00	No.	
	0				0.00		
	0			Round Seated Room	0.00		
	CCS32			Device-Display Make-ViewSonic/Sony/NEC Model-Viewsonic CN5501-1C SITC of the proposed 65-inch commercial 4K UHD presentation display having native 3840 x 2160 resolution, minimum 520-nit brightness, 5000:1 contrast ratio, 178° viewing angles, anti-glare surface, minimum 50,000-hour backlight life and continuous 24/7 landscape/portrait operation. It shall provide minimum two HDMI 2.1 inputs with HDCP 2.2, USB-C with DisplayPort video and minimum 15 W power delivery, USB media ports, LAN, RS-232 control, integrated 2 x 10 W speakers, embedded signage platform and wireless casting through AirPlay, Miracast and Chromecast. VESA mounting, remote, power cable.	2.00	No.	
	CCS32			Device-Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	2.00	No.	
	0			Device-Cables & Connectors Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	2.00	No.	
	0						
	0			War Room			
	CCS32			Device-Display Make-ViewSonic/Sony/NEC Model-Viewsonic CN5501-1C SITC of the proposed 55-inch class 4K UHD commercial display having native 3840 x 2160 panel, minimum 520-nit brightness, 24/7 duty cycle or better, anti-glare surface, integrated speakers minimum 2 x 10 W, minimum 3 HDMI inputs, USB media playback, LAN and RS-232 control, remote device management, VESA mount.	1.00	No.	
	CCS32			Device-Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1.00	No.	
	CCS32			Device-All In One Bar Make-Biamp/Poly/Cisco Model-Biamp Parlé VBC 2500a SITC of the proposed All-in-one conferencing bar having integrated beamtracking microphone array, loudspeakers and 4K ePTZ camera; USB connection to room PC/BYOD; Auto programming, automatic framing, echo cancellation and professional DSP; wall/display mounting accessories included.	1.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-Presentation Switcher Make-Kramer/DVDO/Biamp Model-DVDO-Xtend-USBC-HDMI-70 SITC of the proposed 4K60 HDMI and USB-C presentation extender set over HDBaseT or equivalent, comprising transmitter and receiver and supporting HDMI plus USB-C DisplayPort Alt Mode input, USB data extension and uncompressed video up to 3840 x 2160 at 60 Hz. Transmission distance shall be minimum 70 m over Cat6A cable, with HDCP 2.2, HDR, EDID management, bidirectional control and PoC/PoH where offered. Complete transmitter, receiver, power supplies, mounting brackets, certified patch leads, connectors, configuration and end-to-end testing shall be included.	1.00	No.	
	CCS32			Device-Cable Cubby Make-BRX/Biamp/Kramer Model-BRX FLP-BL-UNIV2 SITC of the proposed recessed tabletop cable cubby with black metal finish and universal modular connectivity provision, suitable for flush installation in the conference table. It shall provide an accessible power outlet and configurable AV/data modules for HDMI, USB-C, USB-A, network and other scheduled services, with a smooth lift-up/flip lid, cable pass-through, strain relief and safe separation of mains and ELV wiring. Complete back box, modules, power cord, AV tails, fixing hardware, earthing, labeling, table cut-out template shall be included.	1.00	No.	
	CCS32			Device-Room Scheduler Make-Biamp/Poly/Cisco Model-Biamp Evoko Liso SITC of the proposed networked room-booking panel having an approximately 8-inch capacitive anti-fingerprint touchscreen, colour status indication visible from a distance, proximity sensor and RFID support. It shall integrate with the specified calendar/room-booking platform, permit on-screen booking, extension, release and fault reporting, support centralized self-hosted management and minimum 20 interface languages, and operate through PoE or approved low-voltage adapter. Wall and glass mounting accessories, network/power cabling, software configuration, calendar integration CE/RoHS compliance shall be included	1.00	No.	
	CCS32			Device-AVoIP Decoder Make-Extron/Kramer/Biamp Model-Kramer KDS-17DEC SITC of the proposed AV-over-IP decoder having HDMI output supporting up to 4K60, HDCP 2.2, visually lossless low-latency transport not exceeding 1.5 frames, multichannel PCM audio de-embedding, 1Gb copper and 10Gb SFP+ media ports plus separate control Ethernet, IEEE 802.1X, RS-232 and GPIO; half-rack chassis. Equivalent approved make must interoperate end-to-end with all proposed encoders, switching and control.	1.00	No.	
	CCS32			Device-HDMI Cable Make-Extron/Lightware/Biamp Model-Biamp EasyConnect HDMI4k-10 SITC of the proposed 3 m (10 ft) premium passive HDMI Type-A male-to-male cable conforming to HDMI 2.0, supporting 3840 x 2160 resolution at 60 Hz, maximum data rate 18 Gbps, HDR, HDCP 2.2, CEC, EDID and multichannel digital audio.	3.00	No.	
	CCS32			Device-Type C- Cable Make-Extron/Lightware/Biamp Model-Biamp EasyConnect USB3-10-CC SITC of the proposed 3 m (10 ft) passive USB Type-C to Type-C cable conforming to USB 3.2 Gen 1, supporting minimum 5 Gbps SuperSpeed data, bidirectional USB Power Delivery up to 45 W and DisplayPort 1.4 Alt Mode with video up to 3840 x 2160 at 60 Hz.	1.00	No.	
	CCS32			Device-Type A-B Make-Extron/Lightware/Biamp Model-Biamp EasyConnect USB3-10-AB SITC of the proposed 3 m (10 ft) passive USB Type-A to Type-B cable conforming to USB 3.x SuperSpeed and supporting minimum 5 Gbps data transfer, backward compatibility with USB 2.0/1.1 where applicable.	1.00	No.	
	CCS32			Device-Cables & Connectors Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1.00	No.	
	CCS32				0.00		
	CCS32			Commissioner Chember	0.00		
	CCS32			Device-Display Make-ViewSonic/Sony/NEC Model-Viewsonic CDE8630 SITC of the proposed 86-inch class professional commercial display having native 3840 x 2160 resolution, minimum 450-nit class brightness, 24/7 or better duty rating, anti-glare panel, integrated speakers minimum 2 x 16 W, HDMI, DisplayPort and USB-C with video/data/power delivery, USB media playback, LAN/RS-232 control, remote device management, OPS/compute expansion where offered and VESA mounting.	1.00	No.	
	CCS32			Device-Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-PTZ Camera Make-Aver/DVDO/Sony Model-Aver CAM570 SITC of the proposed dual-lens 4K conferencing camera comprising a motorized PTZ optical camera having minimum 12x optical zoom and a secondary wide-angle AI camera; 4K30 output, minimum 95° wide-angle field of view, speaker/presenter/zone tracking, auto framing, USB 3. x, HDMI and IP streaming/control, PoE+, VISCA/IP control and remote management. It shall include wall/display mount and cabling.	1.00	No.	
	CCS32			Device-Camera Wall Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed heavy-duty camera wall mount compatible with the offered conferencing camera and site structure, providing secure fixing, required pan/tilt alignment, concealed cable routing and corrosion-resistant finish. The mount shall have a safe working load of at least four times the installed camera weight or the manufacturer rating, whichever is higher. Complete bracket, anchors, fasteners, safety hardware, alignment and testing shall be included.	1.00	No.	
	CCS32			Device-DSP Bundle Make-Shure/Biamp/Symetrix Model-Biamp MRB-L-X400-C-CIC6 SITC of the proposed complete large-room networked conferencing audio bundle comprising one USB-enabled DSP with acoustic echo cancellation, noise reduction and network audio, two beamtracking ceiling microphones including PoE+ amplification, four 6.5-inch ceiling loudspeakers and all specified plenum-rated network cables and mounting accessories. The system shall support automatic device discovery, room tuning and report generation, synchronized UC mute indication and interoperability with Microsoft Teams Rooms, Zoom Rooms, Google Meet, Cisco Webex and equivalent platforms.	1.00	No.	
	CCS32			Device-Presentation Switcher Make-Kramer/DVDO/Biamp Model-DVDO-Xtend-USBC-HDMI-70 SITC of the proposed 4K60 HDMI and USB-C presentation extender set over HDBaseT or equivalent, comprising transmitter and receiver and supporting HDMI plus USB-C DisplayPort Alt Mode input, USB data extension and uncompressed video up to 3840 x 2160 at 60 Hz. Transmission distance shall be minimum 70 m over Cat6A cable, with HDCP 2.2, HDR, EDID management, bidirectional control and PoC/PoH where offered. Complete transmitter, receiver, power supplies, mounting brackets, certified patch leads, connectors, configuration and end-to-end testing shall be included.	1.00	No.	
	CCS32			Device-Cable Cubby Make-BRX/Biamp/Kramer Model-BRX FLP-BL-UNIV2 SITC of the proposed recessed tabletop cable cubby with black metal finish and universal modular connectivity provision, suitable for flush installation in the conference table. It shall provide an accessible power outlet and configurable AV/data modules for HDMI, USB-C, USB-A, network and other scheduled services, with a smooth lift-up/flip lid, cable pass-through, strain relief and safe separation of mains and ELV wiring. Complete back box, modules, power cord, AV tails, fixing hardware, earthing, labeling, table cut-out template shall be included.	1.00	No.	
	0			Device-Room Scheduler Make-Biamp/Poly/Cisco Model-Biamp Evoko Liso SITC of the proposed networked room-booking panel having an approximately 8-inch capacitive anti-fingerprint touchscreen, colour status indication visible from a distance, proximity sensor and RFID support. It shall integrate with the specified calendar/room-booking platform, permit on-screen booking, extension, release and fault reporting, support centralized self-hosted management and minimum 20 interface languages, and operate through PoE or approved low-voltage adapter. Wall and glass mounting accessories, network/power cabling, software configuration, calendar integration CE/RoHS compliance shall be included	1.00	No.	
	CCS32			Device-Reception Monitor Make-ViewSonic/Sony/NEC Model-ViewSonic VG1655 SITC of the proposed portable 15.6-inch class Full HD IPS monitor having native 1920 x 1080 resolution, anti-glare surface, wide viewing angles, USB-C video with power delivery and HDMI input, integrated stand and protective cover. It shall support single-cable operation with compatible sources and include required USB-C/HDMI cables, power adapter, carry protection, testing and minimum 3-year warranty.	1.00	No.	
	CCS32			Device-Two-way Communicator Make-Biamp/Zycoo/Vocia Model-Biamp ATOM SITC of system that allows the receptionist to enter visitor names and generate requests for approval by the designated moderator. The moderator shall be able to view, select, and approve the specific visitor permitted to enter the designated room. The approved visitor's name shall automatically reflect on the display installed at the receptionist's desk. The system shall ensure real-time synchronization between the receptionist interface, moderator interface, and reception display. The solution shall include a mini PC/NUC with minimum Intel Core i5 processor or equivalent, 16 GB RAM, 512 GB SSD, Network : Gigabit Ethernet, RJ-45 (Cat 5 and above), and video output upto 4k UHD, Physical interface - HDMI 2.0 and 2 outputs. The scope shall include all necessary hardware & software.	1.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-Touch Interface Make-Apple Model-Apple iPad for Two Way SITC of the proposed Commercial touch-control interface using a current supported tablet/platform having minimum 10-inch display, Wi-Fi 6, minimum 64 GB storage, secure kiosk mode, licensed control application, protective enclosure, continuous charging dock, guided-access/device-management setup. Screen layouts and all source code shall be handed over.	2.00	No.	
	CCS32			Device-Docking Station Make-iPort/Lenevo/HP Model-iPort SITC of the proposed Secure docking/charging station compatible having the offered transmitter/tablet; simultaneous charging of the stated quantity, charge/status indication, over-voltage/temperature protection, concealed cable management, lockable or tamper-resistant mounting and all power supplies/adaptors included. For wireless batteries, provide networked battery-health/runtime reporting where supported.	2.00	No.	
	CCS32			Device-Network Switch Make-Netgear/Cisco/Juniper Model-Netgear GSM4212P SITC of the proposed fully managed professional AV network switch having minimum 12 ports comprising 10 x 1GbE copper ports and 2 x 1GbE SFP uplink ports. Minimum 8 copper ports shall support IEEE 802.3at PoE+ up to 30 W per port with total available PoE budget not less than 125 W. The switch shall provide non-blocking Layer 2/Layer 3 switching, VLAN, QoS, link aggregation, port mirroring, jumbo frames minimum 12 KB, DHCP services, IPv4/IPv6 support, PTPv2 and enhanced IGMP multicast control suitable for reliable 1Gb AV-over-IP transport. It shall include a dedicated AV-oriented web interface with configurable port profiles for common video-over-IP and Dante/AES67 applications, together with secure web, console, SSH or equivalent management. The unit shall be maximum 1RU, suitable for standard rack, recessed, wall or under-table mounting, with rear-facing network and power connections and quiet operation not exceeding approximately 30 dBA under normal conditions. Complete SFP compatibility, rack-mounting brackets, console cables, power cord, firmware, configuration, VLAN and multicast setup, port labelling, testing and commissioning shall be included. AVB support, if required, shall be provided with the necessary licence.	1.00	No.	
	CCS32			Device-Wifi Router Make-Netgear/Cisco/Juniper Model-Netgear WAX610 SITC of the proposed enterprise indoor dual-band Wi-Fi 6 access point conforming to IEEE 802.11ax and backward compatible with 802.11a/b/g/n/ac, having aggregate wireless speed minimum AX1800, OFDMA, MU-MIMO, beamforming, band steering, load balancing, multiple SSIDs/VLANs, WPA2/WPA3 enterprise security and cloud/centralized management. It shall support 2.4 GHz and 5 GHz operation in WPC-approved Indian bands, include a minimum 1 GbE PoE+ uplink and ceiling/wall mounting kit. Complete PoE provisioning, licenses/subscription stated separately, configuration, RF optimization, testing and statutory compliance shall be included.	2.00	No.	
	CCS32			Device-AVoIP Decoder Make-Extron/Kramer/Biamp Model-Kramer KDS-17DEC SITC of the proposed AV-over-IP decoder having HDMI output supporting up to 4K60, HDCP 2.2, visually lossless low-latency transport not exceeding 1.5 frames, multichannel PCM audio de-embedding, 1Gb copper and 10Gb SFP+ media ports plus separate control Ethernet, IEEE 802.1X, RS-232 and GPIO; half-rack chassis. Equivalent approved make must interoperate end-to-end with all proposed encoders, switching and control.	1.00	No.	
	CCS32			Device-HDMI Cable Make-Extron/Lightware/Biamp Model-Biamp EasyConnect HDMI4k-10 SITC of the proposed 3 m (10 ft) premium passive HDMI Type-A male-to-male cable conforming to HDMI 2.0, supporting 3840 x 2160 resolution at 60 Hz, maximum data rate 18 Gbps, HDR, HDCP 2.2, CEC, EDID and multichannel digital audio.	3.00	No.	
	CCS32			Device-Type C- Cable Make-Extron/Lightware/Biamp Model-Biamp EasyConnect USB3-10-CC SITC of the proposed 3 m (10 ft) passive USB Type-C to Type-C cable conforming to USB 3.2 Gen 1, supporting minimum 5 Gbps SuperSpeed data, bidirectional USB Power Delivery up to 45 W and DisplayPort 1.4 Alt Mode with video up to 3840 x 2160 at 60 Hz.	1.00	No.	
	CCS32			Device-Type A-B Make-Extron/Lightware/Biamp Model-Biamp EasyConnect USB3-10-AB SITC of the proposed 3 m (10 ft) passive USB Type-A to Type-B cable conforming to USB 3.x SuperSpeed and supporting minimum 5 Gbps data transfer, backward compatibility with USB 2.0/1.1 where applicable.	1.00	No.	
	CCS32			Device-Cables & Connectors Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1.00	No.	
	CCS32				0.00		
	CCS32			Mayor's Chember	0.00		

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-Display Make-ViewSonic/Sony/NEC Model-Viewsonic CDE8630 SITC of the proposed 86-inch class professional commercial display having native 3840 x 2160 resolution, minimum 450-nit class brightness, 24/7 or better duty rating, anti-glare panel, integrated speakers minimum 2 x 16 W, HDMI, DisplayPort and USB-C with video/data/power delivery, USB media playback, LAN/RS-232 control, remote device management, OPS/compute expansion where offered and VESA mounting.	1.00	No.	
	CCS32			Device-Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Heavy-duty mounting system sized for the offered equipment and site structure having minimum safe working load 4 times the installed equipment weight or manufacturer rating, whichever is higher; compatible VESA/rigging pattern, tilt/pan/alignment adjustment as required, safety tether, anti-theft fasteners, concealed cable routing and corrosion-resistant finish.	1.00	No.	
	CCS32			Device-PTZ Camera Make-Aver/DVDO/Sony Model-Aver CAM570 SITC of the proposed dual-lens 4K conferencing camera comprising a motorized PTZ optical camera having minimum 12x optical zoom and a secondary wide-angle AI camera; 4K30 output, minimum 95° wide-angle field of view, speaker/presenter/zone tracking, auto framing, USB 3. x, HDMI and IP streaming/control, PoE+, VISCA/IP control and remote management. It shall include wall/display mount and cabling.	1.00	No.	
	CCS32			Device-Camera Wall Mount Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed heavy-duty camera wall mount compatible with the offered conferencing camera and site structure, providing secure fixing, required pan/tilt alignment, concealed cable routing and corrosion-resistant finish. The mount shall have a safe working load of at least four times the installed camera weight or the manufacturer rating, whichever is higher. Complete bracket, anchors, fasteners, safety hardware, alignment and testing shall be included.	1.00	No.	
	CCS32			Device-DSP Bundle Make-Shure/Biamp/Symetrix Model-Biamp MRB-L-X400-C-CIC6 SITC of the proposed complete large-room networked conferencing audio bundle comprising one USB-enabled DSP with acoustic echo cancellation, noise reduction and network audio, two beamtracking ceiling microphones including PoE+ amplification, four 6.5-inch ceiling loudspeakers and all specified plenum-rated network cables and mounting accessories. The system shall support automatic device discovery, room tuning and report generation, synchronized UC mute indication and interoperability with Microsoft Teams Rooms, Zoom Rooms, Google Meet, Cisco Webex and equivalent platforms.	1.00	No.	
	CCS32			Device-Presentation Switcher Make-Kramer/DVDO/Biamp Model-DVDO-Xtend-USBC-HDMI-70 SITC of the proposed 4K60 HDMI and USB-C presentation extender set over HDBaseT or equivalent, comprising transmitter and receiver and supporting HDMI plus USB-C DisplayPort Alt Mode input, USB data extension and uncompressed video up to 3840 x 2160 at 60 Hz. Transmission distance shall be minimum 70 m over Cat6A cable, with HDCP 2.2, HDR, EDID management, bidirectional control and PoC/PoH where offered. Complete transmitter, receiver, power supplies, mounting brackets, certified patch leads, connectors, configuration and end-to-end testing shall be included.	1.00	No.	
	CCS32			Device-Cable Cubby Make-BRX/Biamp/Kramer Model-BRX FLP-BL-UNIV2 SITC of the proposed recessed tabletop cable cubby with black metal finish and universal modular connectivity provision, suitable for flush installation in the conference table. It shall provide an accessible power outlet and configurable AV/data modules for HDMI, USB-C, USB-A, network and other scheduled services, with a smooth lift-up/flip lid, cable pass-through, strain relief and safe separation of mains and ELV wiring. Complete back box, modules, power cord, AV tails, fixing hardware, earthing, labeling, table cut-out template shall be included.	1.00	No.	
	CCS32			Device-Room Scheduler Make-Biamp/Poly/Cisco Model-Biamp Evoko Liso SITC of the proposed networked room-booking panel having an approximately 8-inch capacitive anti-fingerprint touchscreen, colour status indication visible from a distance, proximity sensor and RFID support. It shall integrate with the specified calendar/room-booking platform, permit on-screen booking, extension, release and fault reporting, support centralized self-hosted management and minimum 20 interface languages, and operate through PoE or approved low-voltage adapter. Wall and glass mounting accessories, network/power cabling, software configuration, calendar integration CE/RoHS compliance shall be included	1.00	No.	
	CCS32			Device-Monitor Make-ViewSonic/Sony/NEC Model-ViewSonic VG1655 SITC of the proposed portable 15.6-inch class Full HD IPS monitor having native 1920 x 1080 resolution, anti-glare surface, wide viewing angles, USB-C video with power delivery and HDMI input, integrated stand and protective cover. It shall support single-cable operation with compatible sources and include required USB-C/HDMI cables, power adapter, carry protection, testing and minimum 3-year warranty.	1.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	0			Device-Two-way Communicator Make-Biamp/Zycoo/Vocia Model-Biamp ATOM SITC of system that allows the receptionist to enter visitor names and generate requests for approval by the designated moderator. The moderator shall be able to view, select, and approve the specific visitor permitted to enter the designated room. The approved visitor's name shall automatically reflect on the display installed at the receptionist's desk. The system shall ensure real-time synchronization between the receptionist interface, moderator interface, and reception display. The solution shall include a mini PC/NUC with minimum Intel Core i5 processor or equivalent, 16 GB RAM, 512 GB SSD, Network : Gigabit Ethernet, RJ-45 (Cat 5 and above), and video output upto 4k UHD, Physical interface - HDMI 2.0 and 2 outputs. The scope shall include all necessary hardware & software.	1.00	No.	
	CCS32			Device-Touch Interface Make-Apple Model-Apple iPad for Two Way SITC of the proposed Commercial touch-control interface using a current supported tablet/platform having minimum 10-inch display, Wi-Fi 6, minimum 64 GB storage, secure kiosk mode, licensed control application, protective enclosure, continuous charging dock, guided-access/device-management setup. Screen layouts and all source code shall be handed over.	2.00	No.	
	CCS32			Device-Docking Station Make-iPort/Lenevo/HP Model-Iport SITC of the proposed Secure docking/charging station compatible having the offered transmitter/tablet; simultaneous charging of the stated quantity, charge/status indication, over-voltage/temperature protection, concealed cable management, lockable or tamper-resistant mounting and all power supplies/adaptors included. For wireless batteries, provide networked battery-health/runtime reporting where supported.	2.00	No.	
	CCS32			Device-Network Switch Make-Netgear/Cisco/Juniper Model-Netgear GSM4212P SITC of the proposed fully managed professional AV network switch having minimum 12 ports comprising 10 x 1GbE copper ports and 2 x 1GbE SFP uplink ports. Minimum 8 copper ports shall support IEEE 802.3at PoE+ up to 30 W per port with total available PoE budget not less than 125 W. The switch shall provide non-blocking Layer 2/Layer 3 switching, VLAN, QoS, link aggregation, port mirroring, jumbo frames minimum 12 KB, DHCP services, IPv4/IPv6 support, PTPv2 and enhanced IGMP multicast control suitable for reliable 1Gb AV-over-IP transport. It shall include a dedicated AV-oriented web interface with configurable port profiles for common video-over-IP and Dante/AES67 applications, together with secure web, console, SSH or equivalent management. The unit shall be maximum 1RU, suitable for standard rack, recessed, wall or under-table mounting, with rear-facing network and power connections and quiet operation not exceeding approximately 30 dBA under normal conditions. Complete SFP compatibility, rack-mounting brackets, console cables, power cord, firmware, configuration, VLAN and multicast setup, port labelling, testing and commissioning shall be included. AVB support, if required, shall be provided with the necessary licence.	1.00	No.	
	CCS32			Device-Wifi Router Make-Netgear/Cisco/Juniper Model-Netgear WAX610 SITC of the proposed enterprise indoor dual-band Wi-Fi 6 access point conforming to IEEE 802.11ax and backward compatible with 802.11a/b/g/n/ac, having aggregate wireless speed minimum AX1800, OFDMA, MU-MIMO, beamforming, band steering, load balancing, multiple SSIDs/VLANs, WPA2/WPA3 enterprise security and cloud/centralized management. It shall support 2.4 GHz and 5 GHz operation in WPC-approved Indian bands, include a minimum 1 GbE PoE+ uplink and ceiling/wall mounting kit. Complete PoE provisioning, licenses/subscription stated separately, configuration, RF optimization, testing and statutory compliance shall be included.	2.00	No.	
	CCS32			Device-AVoIP Decoder Make-Extron/Kramer/Biamp Model-Kramer KDS-17DEC SITC of the proposed AV-over-IP decoder having HDMI output supporting up to 4K60, HDCP 2.2, visually lossless low-latency transport not exceeding 1.5 frames, multichannel PCM audio de-embedding, 1Gb copper and 10Gb SFP+ media ports plus separate control Ethernet, IEEE 802.1X, RS-232 and GPIO; half-rack chassis. Equivalent approved make must interoperate end-to-end with all proposed encoders, switching and control.	1.00	No.	
	CCS32			Device-HDMI Cable Make-Extron/Lightware/Biamp Model-Biamp EasyConnect HDMI4k-10 SITC of the proposed 3 m (10 ft) premium passive HDMI Type-A male-to-male cable conforming to HDMI 2.0, supporting 3840 x 2160 resolution at 60 Hz, maximum data rate 18 Gbps, HDR, HDCP 2.2, CEC, EDID and multichannel digital audio.	3.00	No.	
	CCS32			Device-Type C- Cable Make-Extron/Lightware/Biamp Model-Biamp EasyConnect USB3-10-CC SITC of the proposed 3 m (10 ft) passive USB Type-C to Type-C cable conforming to USB 3.2 Gen 1, supporting minimum 5 Gbps SuperSpeed data, bidirectional USB Power Delivery up to 45 W and DisplayPort 1.4 Alt Mode with video up to 3840 x 2160 at 60 Hz.	1.00	No.	
	CCS32			Device-Type A-B Make-Extron/Lightware/Biamp Model-Biamp EasyConnect USB3-10-AB SITC of the proposed 3 m (10 ft) passive USB Type-A to Type-B cable conforming to USB 3.x SuperSpeed and supporting minimum 5 Gbps data transfer, backward compatibility with USB 2.0/1.1 where applicable.	1.00	No.	

Item No	Device	Make	Model	Item Description	Quantity	Unit	Rate
	CCS32			Device-Cables & Connectors Make-Custom / Reputed Model-Custom / Reputed SITC of the proposed Complete AV interconnection package using reputed-brand certified cables and connectors; includes HDMI, USB, network, audio, RF, power and control cables, termination, labeling, testing, containment accessories and required spare length; final cable schedule to be approved. HDMI/USB links shall support the stated 4K/data rate end-to-end; data cabling shall be minimum Cat6A for 10Gb links.	1.00	No.	

वर नमूद सूचित दर्शविलेल्या बाबींचे पुरवठा करणारे पुरवठादार/दुकानदार/उत्पादक/विक्रेते यांनी नमूद केलेल्या बाबींकरीता असलेले दर स्वतःच्या लेटरहेडवर महापालिकेच्या कार्यालयात अथवा ई-मेल द्वारे pmcbandhkamdept01@gmail.com /panvelcorporation@gmail.com यावर दिनांक 3/11/2026 पर्यंत पाठवावे ही विनंती, सदर दर हे अंदाजपत्रक तयार करणेसाठी गृहित धरणेत येणार आहेत.

शहर अभियंता
पनवेल महानगरपलिका

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