

SCHEDULE-A

Name of Work:	SITC Conference Sound System at Department of Industry and Mines, Block 5/3rd Floor and Block 7/6th Floor, SardarBhavan, Gandhinagar
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Schedule showing (approximately) the materials to be supplied from the Public Works Store for work Contracted to be executed and the rates at which they are to be charged for

Particulars	Approximate quantity	Rate a which the materials will be charged the contractor		Place of Delivery
NIL	NIL	NIL	NIL	NIL

Sign of Contractor

**Deputy Executive Engineer
SC Electrical Sub Division No 1
Gandhinagar**

**Executive Engineer
SC Electrical Division
Gandhinagar**

Schedule B

Name of Work :-			SITC Conference Sound System at Department of Industry and Mines, Block 5/3rd Floor and Block 7/6th Floor, SardarBhavan, Gandhinagar				
Item No	Qty		Item Description	Rate in Figure & Word		Unit	Amount
1	1	Nos	Main Control unit with Plug-and-play functionality for quick and easy connection of Discussion Devices.Intuitive touch-buttons on the front panel for easy configuration and operation purposes.Intuitive LED indicators for clear and immediate feedback on the system settings.Web browser control – it shall be possible to use a web browser application to view and manage system settings.System control for up to 80 Discussion Devices.Hot swap of Discussion Devices, without having to power down the system.Plus/minus buttons and green LED indicators for setting the volume range of all connected Discussion Devices.Microphone-mode selection button and green LED indicators for selecting one of the following microphone operating modes: 'open mode', 'override mode', 'voice activation mode', and 'push to talk (PTT) mode'.Number of Open Microphones (NOM) button and green LED indicators for selecting the number of microphones that can be activated at the same time. It shall be possible to select up to four open microphones at the Control Unit.Built-in digital recorder with internal memory and USB recording.Built-in loudspeaker and headphone socket for listening to recorded discussions before replaying them to the Floor, or listening to recordings.Built-in Digital Acoustic Feedback Suppression (DAFS).USB connector on front of unit for connecting a USB memory stick. Controller shall have Sample rate 44.1kHz, Nominal input (85 db SPL) <0.5%,Max. input (110 db SPL) <0.5%. Recording/ Playback 64,96,128,256Kbit/sec. Recording/ Playback (sample frequency) 44.1kHz. Approved Make: Bosch/Braehler/Sennheiser	180086.03	Rupees One Lakh(s) Eighty Thousand Eighty Six And Paise Three Only	Each	180086.03
2	1	Nos	SITC of Extension cable between the units or between the controller and unit -10 meter long Approved Make: Bosch/Braehler/Sennheiser	9124.34	Rupees Nine Thousand One Hundred Twenty Four And Paise Thirty Four Only	Each	9124.34
3	19	Nos	The flush-mounted discussion device with short microphone is the perfect solution for conference rooms where table space is key. The flexible stem allows the participant to adjust the microphone to the most comfortable position Color-coded LED indicator above microphone button for showing the following states: microphone on, request-to-speak, and possible-to-speak. A green request-to-speak indicator above the microphone button and in the head of the microphone indicate when a request-to-speak has been added to the waiting list. The indicators flash green when the request-to-speak is first in the waiting list with Frequency response (-3 dB) (Hz) (microphone) 125 Hz – 15000 Hz Nominal acoustic input level (dB SPL) (microphone) 85 dB SPL Approved Make: Bosch/Braehler/Sennheiser	69752.60	Rupees Sixty Nine Thousand Seven Hundred Fifty Two And Paise Sixty Only	Each	1325299.40
4	6	Nos	SITC of 6.5" Coaxial Ceiling Loudspeaker with 1" Tweeter, 70V/100V Transformer & 8 Ω Bypass, Bezel-less Magnetic Grille with Front Baffle Tap Selector, Power Handling: 60 W Continuous / 240 W Peak, Sensitivity: 92 dB, Max SPL: 116 dB, Frequency Range: 80 Hz–20 kHz (–10 dB), 110° Conical Coverage, Transformer Taps: 30/15/7.5/3.75/1.88 W (70 V), 30/15/7.5/3.75 W (100 V), 4-Pin Euroblock In/Out, UL 1480A, UL 2043, CSA C22.2 No.205 & IEC 62368-1 Certified, Includes C-Ring & Tile Bridge, Cutout: Ø272 mm, Mounting Depth: 149 mm, IP34 Rated, Weight: 3.6 kg, Color: White (RAL 9003) Approved Make: JBL/Electro-Voice/Bose	31108.00	Rupees Thirty One Thousand One Hundred Eight Only	Each	186648.00
5	1	Nos	SITC of 2-channel Class-D amplifier, 600 W total via power TANK (up to 300 W/ch); supports 4 Ω/8 Ω/70 V/100 V loads with VLD; dualCOOL passive + fan cooling; Eco RAIL & APD for ultra-low power standby (<1 W); AMP-LINK (RJ45) and Euroblock I/O; DSP with HPF/LPF, limiter; S/N >98 dB Approved Make: JBL/Electro-Voice/Bose	125846.00	Rupees One Lakh(s) Twenty Five Thousand Eight Hundred Forty Six Only	Each	125846.00

Item No	Qty		Item Description	Rate in Figure & Word		Unit	Amount
6	1	Nos	Supply, Installation, Testing & Commissioning of Modular DSP Audio Processor .. The processor shall be a micro-format, open architecture DSP with up to 8 configurable I/O card slots, enabling flexible system design as per project requirements. It shall support built-in 4x4 Dante/AES67 audio networking for seamless integration with networked audio systems. The unit shall incorporate advanced DSP processing including mixing, routing, EQ, filtering, dynamics, and delay. It shall include Acoustic Echo Cancellation for enhanced speech intelligibility in conferencing environments. The processor shall support USB audio interfacing for UC platforms along with Ethernet-based control, Lua scripting, and third-party integration. The unit shall be PoE powered with compact quarter-rack design, suitable for mounting under tables or behind displays; Approved Make: Biamp/symetrix	509040.00	Rupees Five Lakh(s) Nine Thousand Forty Only	Each	509040.00
7	1	Nos	SITC of 8x8 4K60 4:4:4 HDR AV Switcher Should have minimum 8xHDMI inputs and 8xHDMI outputs; Should support input signals up to HDR10, HDR10+, Dolby Vision, Deep Color, 4K60 4:4:4 or better; Should support output signals up to HDR10, HDR10+, Dolby Vision, Deep Color, and 4K60 4:4:4 or better; Should handles resolutions Up to 4096x2160@60Hz (DCI 4K60), 4:4:4 Video; Should be HDCP 2.3 compliant or better; Should have minimum 2xaudio de-embedding Port or better; Should provide 2-channel Stereo Audio output; Should support the audio formats like Dolby Digital, Dolby Digital EX, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS, DTS-ES, DTS 96/24, DTS HD High Res, DTS-HD Master Audio, DTS:X, LPCM up to 8 channels; Should have minimum 1xUSB port for firmware loading and configuration management and to power a USB powered device; Should support 100/1000 Mbps, auto-switching, auto-negotiating, auto-discovery, full/half duplex, DHCP; Should support Web browser setup and control; Should have front Panel control for manual Switching; Should have compatibility with control systems of the same OEM; Should support IEEE 802.1X, Secure CIP, Authentication, SSH/SSL, TLS; Should have Enterprise-grade security; Should have EDID management option; Should have device control option via CEC; Should have built-in web interface; Should be 1U 19-inch rack-mountable; Should come with rack ears & power supply; Should be Bureau Veritas Listed for US & Canada, IC, CE, FCC Part 15 Class B digital device compliant; Should have an option of Cloud management via IoT based platform for remotely provisioning, monitoring, and managing devices across an enterprise or an entire client base by the same OEM Approved Make: Crestron/Extron/Lighware	289870.00	Rupees Two Lakh(s) Eighty Nine Thousand Eight Hundred Seventy Only	Each	289870.00
8	1	Nos.	Supply, Installation, Testing & Commissioning of Compact Control Processor a 4-Series control system. The unit shall feature a high-performance multicore CPU with real-time multitasking capability, ensuring reliable and fast system control. It shall support Ethernet/IP-based control along with onboard RS-232/422/485, IR, relay, digital I/O, and Proprietary connectivity, enabling integration with AV, lighting, HVAC, and security systems. The controller shall be PoE powered, eliminating the need for a separate power supply and simplifying installation. It shall support advanced security protocols (TLS, 802.1X, Active Directory) and remote management via Cloud and Fusion platforms. Approved Make: Crestron/Extron/Lighware	106050.00	Rupees One Lakh(s) Six Thousand Fifty Only	Each	106050.00
9	1	Nos.	Supply, Installation, Testing & Commissioning of Tablet Device featuring an 11-inch Liquid Retina display with 2360 x 1640 resolution and 500 nits brightness for clear and vibrant visuals. The device shall be powered by the A16 chip with 5-core CPU, 4-core GPU, and 16-core Neural Engine. It shall support storage options starting from 128GB up to 512GB, ensuring adequate capacity for content and applications. The unit shall include 12MP rear and front cameras with advanced imaging features, It shall support Wi-Fi 6 and optional 5G connectivity, along with USB-C interface and Touch ID security for modern usability. The device shall offer up to 10 hours of battery life. Approved Make: Crestron/Extron/Apple	45955.00	Rupees Forty Five Thousand Nine Hundred Fifty Five Only	Each	45955.00

Item No	Qty		Item Description	Rate in Figure & Word		Unit	Amount
10	1	Nos.	Supply, Installation, Testing & Commissioning of USB Sharing / KVM Switch, The unit shall support connection of up to 8 host devices (PCs/laptops) and sharing of up to 4 USB 3.2 Gen 1 peripherals, ensuring efficient resource utilization. It shall provide high-speed data transfer up to 5 Gbps, maintaining smooth operation for cameras, microphones, and storage devices. The switch shall support multiple control methods including front panel push buttons and RS-232/RS-485 for automation system integration. It shall feature power-on detection for automatic switching between active devices, enhancing user convenience. The unit shall be plug-and-play with cross-platform compatibility Approved Make: ATEN/Inogenie/Lightware	36360.00	Rupees Thirty Six Thousand Three Hundred Sixty Only	Mtr.	36360.00
11	2	Nos.	Supply, installation, testing & commissioning of industrial-grade 4x4 USB 3.1 Gen1 hub switch enabling sharing of up to four USB peripherals among four computers. The unit shall support high-speed data transfer rates up to 5 Gbps ensuring reliable performance for AV, IT and control system applications.Provision for multiple control methods including front panel push buttons, external remote port selector and RS-422/RS-485 serial control for system integration. The switch shall feature industrial metal chassis with wall/rack mounting capability suitable for continuous operation Eenvironments.Support for multi-platform compatibility (Windows, macOS, Linux) with LED indicators for active port status monitoring.The device shall be hot-pluggable with dual power input options (adapter or 9–24V DC terminal block) for flexible installation.Complete with required USB cables, mounting accessories and all necessary interconnections for turnkey deployment. Approved Make: ATEN/Inogenie/Lightware	26765.00	Rupees Twenty Six Thousand Seven Hundred Sixty Five Only	Each	53530.00
12	5	Nos	SITC Of Cable cubby having 1x HDMI, 2xPower, 1 x LAN Port, 1 x Type A USB 3.2 Gen 1, 1 x Type C USB 3.2 Gen 2 Approved Make: Crestron/Extron/Lighware/Logic	14887.06	Rupees Fourteen Thousand Eight Hundred Eighty Seven And Paise Six Only	Mtr.	74435.28
13	4	Nos	Supply, Installation Testing & Commissioning 2 Mtr. HDMI Interface Cable as per the detailed Specifications supports transmission of 4K Signals as per the detailed Specifications Approved Make: Crestron/Extron/Cadyce	530.25	Rupees Five Hundred Thirty And Paise Twenty Five Only	Each	2121.00
14	4	Nos	Supply, Installation Testing & Commissioning 10 Mtr. HDMI Interface Cable as per the detailed Specifications supports transmission of 4K Signals as per the detailed Specifications Approved Make: Crestron/Extron/Cadyce	1323.10	Rupees One Thousand Three Hundred Twenty Three And Paise Ten Only	Each	5292.40
15	3	Nos	Supply, Installation Testing & Commissioning 15 Mtr. HDMI Interface Cable as per the detailed Specifications supports transmission of 4K Signals as per the detailed Specifications Approved Make: Crestron/Extron/Cadyce	1777.60	Rupees One Thousand Seven Hundred Seventy Seven And Paise Sixty Only	Each	5332.80
16	2	Nos	Supply, Installation Testing & Commissioning 20 Mtr. HDMI Interface Cable as per the detailed Specifications supports transmission of 4K Signals as per the detailed Specifications Approved Make: Crestron/Extron/Cadyce	7777.00	Rupees Seven Thousand Seven Hundred Seventy Seven Only	Each	15554.00
17	4	Nos	Supply, Installation Testing & Commissioning 5 Mtr. USB 3.0 Cable as per the detailed Specifications supports transmission of 4K Signals as per the detailed Specifications Approved Make: Crestron/Extron/Cadyce	3030.00	Rupees Three Thousand Thirty Only	Each	12120.00
18	4	Nos	Supply, Installation Testing & Commissioning 10 Mtr. USB 3.0 Cable as per the detailed Specifications supports transmission of 4K Signals as per the detailed Specifications Approved Make: Crestron/Extron/Cadyce	4949.00	Rupees Four Thousand Nine Hundred Forty Nine Only	Each	19796.00
19	2	Nos	Supply, Installation Testing & Commissioning 15 Mtr. USB 3.0 Cable as per the detailed Specifications supports transmission of 4K Signals as per the detailed Specifications Approved Make: Crestron/Extron/Cadyce	5656.00	Rupees Five Thousand Six Hundred Fifty Six Only	Each	11312.00
20	2	Nos	Supply, Installation Testing & Commissioning 20 Mtr. Usb 3.0 Cable as per the detailed Specifications supports transmission of 4K Signals as per the detailed Specifications Approved Make: Crestron/Extron/Cadyce	6363.00	Rupees Six Thousand Three Hundred Sixty Three Only	Each	12726.00

Item No	Qty		Item Description	Rate in Figure & Word		Unit	Amount
21	1	Nos	SITC of 86" Professional Display 400 Nits Brightness 40000:1 Contrast Ratio Operation: 16x7 1xVGA; 1xDP, 2xUSB 2.0 , 4x HDMI 2.0 In, Secure USB 2.0 (Internal), RJ45, RJ12, RS232, Optical SPDIF 1xHDMI 2.0, 1xDP Out Supports Daisy Chain Speaker 2x12 W Open Content Management Support, Scheduler, USB-Autoplay, AutoLaunch, HDMI-CEC, HDMI-Wakeup, Auto-switch on Failover, Panel Lock, OSD Rotation, NoSignalPowerOff, Screen Saver, Pixel shift, Scheduler, Videowall support, Remote control via LAN, Realtime Clock, Joystick, Rocker Switch Optional : OPS compatibility Certifications: Safety, EMC, CE Approved Approved Make: Samsung/LG/Sony	169680.00	Rupees One Lakh(s) Sixty Nine Thousand Six Hundred Eighty Only	Each	169680.00
22	2	Nos	Supply, installation, testing & commissioning of 75-inch 4K UHD interactive flat panel display with resolution of 3840 x 2160 for classrooms, meeting rooms and collaborative environments. The display shall feature IPS panel with IR-based multi-touch technology supporting up to 40 simultaneous touch points for smooth writing and interaction. It shall be powered by Android OS with built-in RAM & storage (approx. 8GB RAM / 64GB storage) for standalone operation and application support. Provision for multiple connectivity options including HDMI, VGA, USB-C, LAN, Wi-Fi and OPS slot for flexible AV integration. The unit shall support built-in speakers, screen sharing, whiteboarding tools and centralized control via LAN/RS-232 for system integration. The panel shall offer brightness up to approx. 390–440 nits and 16/7 operation suitable for continuous professional use. Approved Make: Samsung/LG/Sony	121200.00	Rupees One Lakh(s) Twenty One Thousand Two Hundred Only	Each	242400.00
23	1	Nos	SITC of 43" Professional Display 500 Nits Brightness 50000:1 Contrast Ratio Operation: 24x7 1xVGA; 2xUSB 2.0 , 4x HDMI 2.0 In, Secure USB 2.0 (Internal), RJ45, RJ12, RS232, Optical SPDIF 1xHDMI 2.0, Supports Daisy Chain Speaker 2x 8W 30-degrees Tilting Installation Open Content Management Support, Scheduler, USB-Autoplay, AutoLaunch, HDMI-CEC, HDMI-Wakeup, Auto-switch on Failover, Panel Lock, OSD Rotation, NoSignalPowerOff, Screen Saver, Pixel shift, Scheduler, Videowall support, Remote control via LAN, Realtime Clock, Joystick, Rocker Switch Optional : SDM or OPS compatibility, Embedded IR, IR extender option Certifications: Safety, EMC, CE Approved Make: Samsung/LG/Sony	49490.00	Rupees Forty Nine Thousand Four Hundred Ninety Only	Each	49490.00
24	3	Lot	Supply ,Installation , Testing and Commissioning of a System with compact size ,should have minimum 8 gb ram or more, i5 processor with minimum 10th generation or better , 256 gb ssd or more and should come with wireless and keyboard and mouse. Approved Make: Lenovo/Dell/HP	82719.00	Rupees Eighty Two Thousand Seven Hundred Nineteen Only	Lot	248157.00
25	1	Nos	Supply, Installation, Testing & Commissioning of Touch Display , a 22-inch (21.5" viewable) Full HD multi-touch monitor.The display shall feature a 1920 x 1080 IPS panel with wide 178° viewing angles, ensuring clear and vibrant visuals. It shall support 10-point projected capacitive touch technology, enabling smooth and accurate multi-user interaction. The unit shall include HDMI, DisplayPort, VGA, and USB connectivity, ensuring compatibility with various AV and computing systems. It shall have a scratch-resistant (7H hardness) edge-to-edge glass surface with frameless design.The display shall support flexible installation with adjustable stand and VESA mounting options Approved Make: ViewSonic/ Wacom/ Samsung	28280.00	Rupees Twenty Eight Thousand Two Hundred Eighty Only	Each	28280.00
26	2	Nos	SITC Of Unified collaboration device designed to operate in native Microsoft Teams Room mode with on-site flexibility to switch to native Zoom mode and vice versa. Should includes a high-performance camera with at least 20 MP, a 1-inch sensor, 7x digital zoom, and a minimum 83° FoV, featuring speaker tracking, group framing, and dual 4K cameras with AI-powered video enhancement and an automatic privacy shutter. Should have Audio capabilities comprise dual 9-watt speakers, a minimum of 8 linear array microphones with inbuilt DSP supporting AEC, AGC, noise suppression, adaptive beamforming, and speaker volume control; Should have Connectivity includes 1x LAN, 1x HDMI input, and 2x HDMI outputs;The system supports robust Ethernet standards including 1000 Mbps, IPv4/IPv6, SSH, SSL, TLS, and Active Directory authentication. The hardware is Microsoft Teams Room certified, comes with a 3-year OEM warranty with toll-free customer support, and includes all necessary cables and accessories for setup and use. Approved Make: Crestron/Lumens/Sony	1331079.00	Rupees Thirteen Lakh(s) Thirty One Thousand Seventy Nine Only	Each	2662158.00

Item No	Qty		Item Description	Rate in Figure & Word		Unit	Amount
27	1	Nos	Supply, Installation, Testing and Comissioning of USB PTZ Full HD 1080p@30fps Video Conferencing Camera, 1/2.8" CMOS 2.16 MP sensor, 62 degree FOV, 12X Optical Zoom with Enhanced PTZ, PAN ± 90 degree, Tilt (+) 90 degree and (-) 30 degree, H.264/MPEG Video compression, Auto/Manual Focus, USB 2.0 Interface Plug & Play, BIS, CE,FCC, RoHS certified. Approved Make: Lumes/Peoplelink/Logitech	52036.21	Rupees Fifty Two Thousand Thirty Six And Paise Twenty One Only	Each	52036.21
28	350	Mtr.	SITC of Shilded 2 core 20 AWG Audio cable Cable Approved Make: Belden/ Krystal/ Sommer/ Liberty AV	124.67	Rupees One Hundred Twenty Four And Paise Sixty Seven Only	Mtr.	43633.25
29	200	Mtr.	SITC of 2 core 2.5sqmm loudspeaker cable Approved Make: Polycab/Krystal/RR Cable	123.43	Rupees One Hundred Twenty Three And Paise Forty Three Only	Mtr.	24686.42
30	150	Mtr.	SITC of CAT6 UTP 23AWG Solid: Per Meter Approved by Competent Authority i.e. not Below the rank of Executive Engineer] Approved Make: Belden/Legrand/Dlink/Digisol	43.43	Rupees Forty Three And Paise Forty Three Only	Mtr.	6514.50
31	1	Nos.	SITC of 24 x 10/100/1000BASE-T PoE ports 4 x Gigabit RJ45/SFP Combo ports Advanced L2 switching and security features L2+ Static Routing Optional "standard mode" or "surveillance mode" management user interface 193 W PoE budget [Approved by Competent Authority i.e. not Below the rank of Executive Engineer] Approved Make: Cisco/DLink/Netgear	31996.80	Rupees Thirty One Thousand Nine Hundred Ninety Six And Paise Eighty Only	Each	31996.80
32	1	Nos	SITC of 24U Equipment Rack With a full range of accessories,a full security system to prevent unauthorised access to vital equipments within cabinet,Functional cable management all along the height,Direct Mounting of fan on top cover allows maximum height utilization,canopy fitted in the top cover prevents ingress of durt,dust and water inside the cabinet Approved Make: APW/Rittal/Netrack	39893.25	Rupees Thirty Nine Thousand Eight Hundred Ninety Three And Paise Twenty Five Only	Each	39893.25
Total :							₹ 6,625,423.68

Rupees Sixty Six Lakh(s) Twenty Five Thousand Four Hundred Twenty Three And Paise Sixty Eight Only

Sign of Contractor

**Deputy Executive Engineer
SC Electrical Sub Division No 1
Gandhinagar**

**Executive Enegineer
SC Electrical Division
Gandhinagar**