



GOVERNMENT OF ODISHA

H & UD DEPARTMENT PARADEEP MUNICIPALITY PARADEEP

QUOTATION CALL NOTICE

NON-SCHEDULED ITEMS-400 SEATED AUDITORIUM FOR PARADEEP MUNICIPALITY

PERIOD OF SALE OF BID DOCUMENTS :- From dt.23.07.2026 to dt. 03.08.2026

LAST DATE OF RECEIVED BID DOCUMENTS:- Dt. 04.08.2026 upto 11.00 AM

DATE & TIME OF OPENING BID DOCUMENTS :- Dt. 04.08.2026 at 01.00 PM

COST OF TENDER PAPER :- ₹ 600.00

(Rupees:- Six Hundred) only

Name of the Bidder

DD No

/Dt

Hande
21/07/2026

EXECUTIVE OFFICER
PARADEEP MUNICIPALITY
PARADEEP, ODISHA.

OFFICE OF THE PARADEEP MUNICIPALITY, PARADEEP

No 4142, Date 21-07-2026

QUOTATION CALL NOTICE

Executive Officer, Paradeep Municipality Paradeep invites sealed Quotation Call Notice from interested/ intending eligible Manufacturer/ Authorized Distributor for "Non-scheduled items-400 seated Auditorium for Paradeep Municipality" enlisted items alongwith terms & conditions can be obtained on the office website www.paradeepmunicipality.in. from dt.23.07.2026 to dt.03.08.2026 on payment of ₹ 600.00 (Rupees:- Six Hundred) only (not refundable). Paper cost shall be paid as per the same method noted in DTCN downloaded online. The Manufacturer/ Authorized Distributor must be accompanied with photo copy of valid (i) PAN (ii) GSTIN (iii) Complete Organisation details, Authenticated proof of the firm (Registration certificate of firm or agency) & (iv) Cost of tender paper. The sealed Quotation and other documents will be received offline on or before dt.04.08.2026 upto 11.00 AM and will be opened on the same day at 01.00 PM in presence of the bidder or their authorized representatives. The authority reserves the right to accept or cancel any or all quotations without assigning any reason thereof.

[Signature]
21/07/2026

Executive Officer
Paradeep Municipality

Memo

4143

Dt 21-07-2026

Copy to ADM, Paradeep / EE, R&B, Division, PPA for information and necessary action. They are requested to display the office Notice Board for wide publication.

Copy to Office Notice Board for wide Publication.

[Signature]
21/07/2026

Executive Officer
Paradeep Municipality

Memo

4144

Dt 21-07-2026

Copy to the Editor, I & PR, Bhubaneswar to publish in two Odia newspaper and one English newspaper for wide publication for one day on one edition with minimum space and submit the bill as per I & PR rate for payment.

[Signature]
21/07/2026

Executive Officer
Paradeep Municipality

Memo

4145

Dt 21-07-2026

Copy to MIS, Paradeep Municipality with a request to publish the Quotation Call Notice in the Paradeep Municipality website portal.

[Signature]
21/07/2026

Executive Officer
Paradeep Municipality

Memo

4146

Dt 21-07-2026

Copy to Accountant/ Cashier, Paradeep Municipality for information and necessary action.

[Signature]
21/07/2026

Executive Officer
Paradeep Municipality

OFFICE OF THE PARADEEP MUNICIPALITY, PARADEEP

QUOTATION SCHEDULE

**NON-SCHEDULED ITEMS-400 SEATED AUDITORIUM FOR
PARADEEP MUNICIPALITY**

- 1 Quotation Call Notice No : _____ dt. _____
- 2 Name of the Quotationer :
- 3 Cost of Quotation Schedule : Rs.600/- (Rupees Six Hundred) only.
- 4 Cash/DD No: _____ / Date _____ for the cost of Quotation Schedule.
- 5 Sale of Quotation Schedule from **Date:** _____ to dt. _____.
- 6 Last Date of Received the Quotation with all Documents : Date: _____ upto
11.00 AM
- 7 Opening of the Quotation Date : _____ at 01.00 PM
- 8 TP Cost amount Rs.600.00 vide DD/ BC. _____ / Date _____.


Executive Officer
Paradeep Municipality

TERMS AND CONDITIONS

- 1 The details of bid documents schedule and set of term & conditions is available on the office website www.Paradeepmunicipality.in. on payment of ₹ 600.00 (Rupees:- Six Hundred) Only (Non-refundable) towards cost of tender documents in shape of Cash/DD/ Banker cheque drawn on any Nationalized Bank in favour of Executive Officer, Paradeep Municipality payable at Paradeep. Paper cost shall be paid as per the same method downloaded online. Quotation without payment of paper cost shall not be accepted in any case and will be rejected summarily.
- 2 The sale of tender documents start from dt. 23.07.2026 to dt. 03.08.2026.
- 3 The completed & sealed tender paper documents should be sent on or before dt. 04.08.2026 upto 11.00 AM to the Executive Officer, Paradeep Municipality through registered/ Speed post or in person only. The envelope containing the tender documents should be superscripted with "**Non-scheduled items-400 seated Auditorium for Paradeep Municipality**" with tender/ quotation no &
- 4 The Quotation/ bid documents will be opened on dt.04.08.2026 at 01.00 PM in the chamber of Executive Officer/ Chairperson, Paradeep Municipality, Paradeep in the presence of the bidders or their authorized representatives who wish to attend. If office happens to be closed for any reason on the date the receiving or opening of the tender as specified the tenders will be received/ opened in the next working day at the same time & venue.
- 5 The Municipality will not be responsible for postal delay.
- 6 Bidder should submit self attested copies of (i) PAN (ii) GSTIN (iii) **Complete Organisation** (iv) **Manufacturer/ Authorized Distributor** details alongwith the bid. Quotation without one or more of these documents are bound to be rejected.
- 7 The quotationer should quote single rate for each item according to required specification wherever mentioned. More than one rate for a particular item will be summarily rejected. The schedule appended to the Tender call notice should be filled up and signed.
- 7 **The bidder shall quote their price in Non-scheduled items, included in Quotation Call Notice.**
- 9 **The bidder shall quote in item wise as per work described in Non-scheduled items.**
- 10 The quoted rate shall be inclusive of all taxes and duties if any. Taxes and duties shall be mentioned separately if required.
- 11 Any correction or overwriting in the offer should be attested by the quotationer.
- 12 The rate is valid for one calendar year.
- 13 The quotationer shall submit the quotation schedule duly signed by him with seal.
- 14 Validity period of bid- 90 calendar days from the date of opening the bid
- 15 Quotation shall not be considered through Power of Attorney and No joint venture (JV) is eligible to apply the bid.
- 16 The tenders quotations received incomplete and received after due date shall be summarily rejected. The parties who wish to be present at the time of opening of Tender/ Quotation may represent themselves or authorize their representatives with an authorized letter.
- 17 The bidder should provide mail ID, contact No. and postal address for any correspondence.
- 18 The tenders quotations received incomplete and received after due date shall be summarily rejected. The parties who wish to be present at the time of opening of Tender/ Quotation may represent themselves or authorize their representatives with an authority letter.
- 19 The authority reserves the right to reject any or all the tenders without assigning any reason thereof.


Executive Officer
Paradeep Municipality

NON-SCHEDULED ITEMS- 400 SEATED AUDITORIUM FOR PARADEEP MUNICIPALITY

REF NO : EAIP/L26-27/PDI4567-534

DATE :01-07-2026

Sl no.	Application	Description	Qty	UoM	RATE	AMOUNT
AUDITORIUM						
1	FOH Line Array	SITC of Twin 8" High Performance Installation Line Array, Frequency Response (-3 dB) 50 Hz - 22 kHz, Frequency Range (-10 dB) 47 Hz - 22 kHz, Rated Power Passive 1200W Continuous, 4800W Peak, Bi-amp LF: 1000W Continuous, 4000W Peak HF: 200W Continuous, 800W Peak, Maximum SPL 140 dB (with the Alpha Max Preset), Sensitivity 103 dB, Nominal Impedance Passive: 8 ohms, Bi-amp LF: 8 ohms, HF: 8 ohms, Coverage Pattern 140° x 20°, LF Driver 2 x 8" Low Distortion Transducers, 3" VC - Ferrite, HF Driver 1 x 1.75" neodymium compression driver, 2" VC, Crossover Frequency 1.1 kHz or Bi-amplified. Approved Make: MARTIN AUDIO/L ACOUSTIC/BRITISH ACOUSTICS/D&B AUDIOTECHNIK	8	Each		
2	FOH Flying Subwoofer Hung from Line Array Frame	SITC of Twin 15" Flying Subwoofer, Frequency Response (-3 dB) 31Hz - 150Hz, Nominal Impedance: 8 Ohms, Enclosure Marine Birchwood Cabinet, Premium Grade, Frequency Range (-10 dB): 26Hz - 150Hz, Rated Power: 1600W Continuous, 6400W Peak, LF Driver: 15" Ultra Low Distortion Woofer, 4" Voice Coil, 800W AES, Maximum SPL: 138 dB Peak (LFE-GS Preset), Crossover Frequency: 100 Hz (requires active crossover in DSP), Coverage Pattern: Omnidirectional Approved Make: MARTIN AUDIO/L ACOUSTIC/BRITISH ACOUSTICS/D&B AUDIOTECHNIK	2	Each		
3	Array Frame for Rigging the Line Arrays & Fly Subwoofers	SITC of Array Frame for Suspending up to 6 Enclosures with 10:1 Design Factor. Includes 4 x Quick Release Pins, 2 x Shackles, 2 x Drop Levers. Approved Make: MARTIN AUDIO/L ACOUSTIC/BRITISH ACOUSTICS/D&B AUDIOTECHNIK	2	Each		
4	Ground Stack Subwoofer	SITC of 18" passive subwoofer delivering 1200W AES and 4800W peak power via dual long-excursion drivers with 4" copper voice coils. Offering omni-directional coverage and cardioid presets, it suits live events, concerts, and installations. Freq. Response (-3 dB): 32 Hz - 190 Hz, Freq. Range (-10 dB): 37 Hz - 200 kHz, Rated Power: 2400W AES, 9600W Peak, Omni-Directional Coverage, Cardioid presets available, Nominal Impedance: 4 Ω. Crossover: 80 - 120 Hz Active. Max Output: Cont 136 dB, Peak 142 dB. 2 x Speak-On Sockets, Input & Thru. 8" Low Frequency Long Excursion Driver. 1200W AES, 4800W Peak. 2 Drivers connected in parallel. 4" Copper Voice Coil - Ferrite Magnet. 3L Resistance Coating. Minimal Power Compression with optimised air-paths. Approved Make: MARTIN AUDIO/L ACOUSTIC/BRITISH ACOUSTICS/D&B AUDIOTECHNIK	2	Each		
5	Front Fill/ Leap Fill	SITC of 7" COAXIAL SPEAKER -IP67, Freq. Response (-3dB): 80Hz-18kHz, Freq. Range (-10dB): 61Hz-20kHz, Rated Power: 200W, 800W Peak, H Dispersion: 100° (-6dB), V Dispersion: 100° (-6dB), Crossover Frequency: 2.2kHz Passive or Bi-amplified, Nominal Impedance: LF/FR-8Ω, HF-8Ω, 100V/70V Transformer Taps: 100W, 50W, 25W, 10W, Maximum SPL: 115dB, 121dB Peak, Shielded Screw Terminals, or better. Approved Make: MARTIN AUDIO/L ACOUSTIC/BRITISH ACOUSTICS/D&B AUDIOTECHNIK	4	Each		

6	Rear Fill	SITC Of 10" or better Outdoor Coaxial Speaker - IP64, Freq or better . Response (-3 dB) : 67 Hz - 20 kHz, Freq or better . Range : 55 Hz - 20 kHz or better , Rated Power : 450W, 1800W Peak or better , H Dispersion : 100° or better , V Dispersion : 100° or better , Crossover : Passive, 1.2 kHz or better . Nominal Impedance : 8 Ω, Transformer Taps : 100/70 Taps : 15W / 30W/ 40W or better , Max Output : Cont 122 dB or better , Peak 128 dB, LF : 10" High Power Coaxial Driver, 400W AES, 1600W Peak or better , 2" Copper Voice Coil - Ferrite Magnet, Environmental Resistance Coating. Terra-Coating for enhanced resistance ,against environmental factors, Large Effective Piston Area, placed in a volume optimised enclosure for enhanced bass response, HF : 1" Voice Coil - Ferrite, 50W AES, 200W Peak or better ..with standard accessories as required and as per the direction of Engineer-In Charge. Approved Make: MARTIN AUDIO/L ACOUSTIC/BRITISH ACOUSTICS/D&B AUDIOTECHNIK	8	Each		
7	Male/ Female Green Room	SITC of 7" COAXIAL SPEAKER -IP67, Freq.Response (-3dB):80Hz-18kHz, Freq.Range(-10dB): 61Hz-20kHz, Rated Power:200W,800W Peak, H Dispersion:100°(-6dB, V Dispersion:100°(-6dB), Crossover Frequency: 2.2kHz Passive or Bi-amplified, Nominal Impedance: LF/FR-8Ω, HF-8Ω, 100V/70V Transformer Taps:100W,50W, 25W,10W, Maximum SPL:115dB, 121dB Peak, Shielded Screw Terminals,or better. Approved Make: MARTIN AUDIO/L ACOUSTIC/BRITISH ACOUSTICS/D&B AUDIOTECHNIK	2	Each		
8	Stage Monitor	SITC of 15 inch Powered Speaker, Frequency Response (-3 dB) 57 Hz - 20 kHz , Frequency Range (-10 dB) 45 Hz - 21 kHz, Amplifier Power 850W Continuous, 1700W Peak, Maximum SPL 128 dB, Coverage Pattern 100° x 60°, Controls Individual & Master Gain Knobs, Power Switch, LF Driver 15" LF Driver, 2.5" VC - Ferrite, HF Driver 1.4" Titanium Compression Driver - 1" VC, Connectors 2 x Balanced XLR Inputs 1 x Balanced XLR Link Output Power Input, AC Power Input Universal power SITC 100 - 240 VAC, 50 - 60 Hz. Approved Make: MARTIN AUDIO/L ACOUSTIC/BRITISH ACOUSTICS/D&B AUDIOTECHNIK	4	Each		
9	Amp FOH Line Array LF & Subwoofers	SITC of 2 - Channel High Performance Amplifier Systems for Install Applications, Power at 4 Ohms (Stereo Mode, All channels driven) 2500W, Power at 8 Ohms (Stereo Mode, All channels driven) 1300W, Bridged Power at 8 Ohms 4100W, Bridged Power at 4 Ohms 6400W, Dampning Factor > 400 at 8ohms, Signal to Noise Ratio (1 kHz, 8 Ohms) - 105 dB, THD < 0.02% THD / 4ohms and 8 ohms, Controls Sensitivity Selection - High Pass Cut Off - Stereo, Bridge, Parallel Switch". Approved Makes: British Acoustics/ Bose/ Martin Audio/ Powersoft/ Lab Gruppen.	4	Each		
10	Amplifier for FOH Line Array HF, Front Fill, Rear Fill	SITC of 2 - Channel High Performance Amplifier Systems for Install Applications, Power at 4 Ohms (Stereo Mode, All channels driven) 1650W, Power at 8 Ohms (Stereo Mode, All channels driven) 900W, Bridged Power at 8 Ohms 3000W, Bridged Power at 4 Ohms 4000W, Dampning Factor > 400 at 8ohms, Signal to Noise Ratio (1 kHz, 8 Ohms) - 105 dB, THD < 0.02% THD / 4ohms and 8 ohms, Controls Sensitivity Selection - High Pass Cut Off - Stereo, Bridge, Parallel Switch". Approved Makes: British Acoustics/ Bose/ Martin Audio/ Powersoft/ Lab Gruppen.	4	Each		

11	24 Channel Mixer	SITC of 32-channel digital mixing console designed for live sound, conferences, auditoriums, houses of worship, and broadcast applications. Features 32 microphone/line input channels with high-quality digital signal processing and scene management capabilities. Provides 8 auxiliary (Aux) outputs for monitor mixes, zone feeds, and external processing. Equipped with motorized faders for accurate level control and automated recall of mixer settings. Includes a high-resolution color touchscreen display for intuitive operation and system monitoring. Built-in DSP functions include parametric EQ, compressor, gate, delay, HPF/LPF filters, and effects processing. Supports USB multitrack recording and playback for live recording and virtual soundcheck applications. Offers Ethernet/network connectivity for remote control, monitoring, and software integration. Audio performance includes 24-bit AD/DA conversion, 48 kHz processing, low distortion, and high signal-to-noise ratio. Approved Make: L ACOUSTIC/BRITISH ACOUSTICS/D&B AUDIOTECHNIK	1	Each		
12	DSP	SITC Of 16-in, 16-out DSP Dante Processor,offer quick & reliable solutions to systems integrators. The dante processor features an auto mixer, matrix mixer, feedback suppression and Dante audio networking in one purpose-built DSP processor. It has 16 mic/line analog inputs & 16 analog outputs to ably complement a wide range of applications such as hospitality, boardrooms, large conference rooms, courtrooms, auditoriums and multi-purpose halls. Input Channels 16 Balanced Mic/Line inputs, Output Channels 16 Balanced Line outputs. Connectors 3.81 mm Phoenix Connectors, 12-pin Input / Output Impedance Input - 11.5 KΩ, Output - 150Ω Max. Input Level 14 dBu - Line, -7 dBu - Mic Phantom Power +48V DC, selectable per input. Approved Make: British Acoustics/ OSL/ Biamp/Bose/ Martin Audio	1	Each		
13	Handheld Vocal Corded Mic	SITC of High-performance Vocal Microphone with adapted sensitivity for deep vocals, Type Dynamic, Frequency Response 24 Hz - 15 Khz, Polar Pattern Cardioid, Sensitivity -51 dBV/Pa (1.85 mV), Impedance 600 Ω, Max SPL 168 dB, 1 kHz at 1% T.H.D., Connector Three-pin balanced XLR. Approved Make : OSL/Shure/Sennheiser/DPA	4	Each		
14	Gooseneck Mic with Base	SITC of Adjustable 18" Cardioid Gooseneck Microphone, Type Electret Condenser, Frequency Response 20 Hz - 17 kHz, Polar Pattern Cardioid, Sensitivity -36$\pm$3 dB* (15.8mV) 0dB =1V /Pa,1kHz, Impedance 100 Ω, Max SPL 140 dB, 1 kHz at 1% T.H.D., Gooseneck Base with Switch, Frequency Response 20-20,000 Hz, Power Requirement Phantom power 48V or battery power 1.5V*2 (ST-5030i work with 12-48V Phantom power), Current Consumption-Stand-by 2.4mA, Current Consumption-Operating 6.6mA, Switches Microphone selection:ECM MIC unbalanced input, ECM MIC balanced input, Dynamic MIC input Magnetic switch: power on/off, Approved Make : OSL/Shure/Sennheiser/DPA	2	Each		
15	Instrument Mic	SITC of Cardioid Condenser Instrument Microphone, Type Electret Condenser, Frequency Response 80 Hz - 18 Khz, Polar Pattern Cardioid, Sensitivity -52 dBV/Pa (1.85 mV), Impedance 600 Ω, Max SPL 129.5 dB, 1 kHz at 1% T.H.D., Connector Three-pin balanced XLR. Approved Make : OSL/Shure/Sennheiser/DPA	4	Each		
16	Wireless Handheld Mic	SITC of Wireless Handheld Receiver with the below specifications:- Diversity Principle: True Diversity, No. of Channels : 2, Frequency response 20-20 Khz, Frequency Selection: Auto, Modulation : Wideband FM, Attenuation : 0 to 14 Db selectable , LED Display, Range : 100 meters, With RF Shielding, Dynamic, Pattern: Cardioid, Operating Range: 100 ft. Line of Sight. Mute Switch, Steel Mesh Grille, RF Output - 30 mW, RF Range 100m Line of Sight, Operation Time - 8 Hours Or better. Approved Make : OSL/Shure/Sennheiser/DPA	3	Each		

17	Wireless Lapel Mic	SITC of Wireless Handheld Receiver with the below specifications:- Diversity Principle: True Diversity, No. of Channels : 2, Frequency response 20-20 Khz, Frequency Selection: Auto, Modulation : Wideband FM, Attenuation : 0 to 14 Db selectable , LED Display, Range : 100 meters, With RF Shielding, Wireless Bodypack Transmitter with RF Power Output : 30mW, Frequency response: 20 Hz to 20Khz, Volume & Mute Button on Transmitter, Battery Operation time: 8 hour with rechargeable battery, Range : 100 meters, PLL Synthesized Circuits or better. Approved Make : OSL/Shure/Sennheiser/DPA	2	Each		
18	Microphone stand	SITC Of Customised Microphone stand in long length with adjustable height..with standard accessories as required and as per the direction of Engineer-In Charge. Approved Make: MyStand/ JAD/Ahuja/Proel	4	Pc		
19	Microphone stand	SITC of Mic Stand Small Approved Make: MyStand/ Ahuja	2	Pc		
20	speaker Cable	SITC Of 2 Core Loudspeaker Cable,48/0.20mm, 1.5 Sqmm,PVC Insulation Dia. 2.90 mm, Core,Sheath Type Vasi form PVC,DC resistance @20 °C- Conductor 13.7.0 Q/Km,Operating Voltage 600 v,Inductance (1kHz at 20 °C) 0.7 uH/m with PVC Conduit complete as required..with standard accessories as required and as per the direction of Engineer-In Charge. Approved Make: LYNQ/ Sommer/ Belden/ KRYSTAL/JAD	300	MTR		
21	speaker Cable	SITC Of 2.5 Sqmm x 2 Core ATC Copper Conductor Stranded, Core Twisted in Circular For, Colour Coded Blue / white outer Jacketed with Matt finish Super flexible Special PVC with Sequential Marking on Every meter..with standard accessories as required and as per the direction of Engineer-In Charge. Approved Make: LYNQ/ Sommer/ Belden/ KRYSTAL/JAD	800	Mtr		
22	Signal cable	SITC Of 2 core Shielded Signal cable.24 AWG (25/0.10mm) x 2 core ATC copper conductor, PE insulated, core twisted in circular form, covered with special moisture proof polymer, spiral shielded (97%) with ATC copper, outer Jacketed with Matt finish High Flex Special PVC.No of Conductors Conductor (No. / size of wire)25/0.10 mm .Cross Sectional Area 0.22 sqmm (24 AWG),Insulation Material HOPE Insulation OD 1.10 mm,Shield Conductor 2,ATC Copper-(0.10mm)105 wires (approx) Shield Type Serve Shield - also called Helical, or spiral Jacket Material High Flex Matt Finish PVC,Jacket OD 6.00 mm+- .10mm..with standard accessories as required and as per the direction of Engineer-In Charge. Approved Make: LYNQ/ Sommer/ Belden/JAD/KRYSTAL	400	Mtr		
23	Snake cable	SITC of 12 pair Snake cable 33 Meter Approved Make : Krystal/ Hawk/ LYNQ or Approved Equivalent of Reputed Make	2	Mtr		
24	Patch Box	SITC of 12CH Patch Box Approved Make : Krystal/ Hawk/ LYNQ or Approved Equivalent of Reputed Make	2	Pc		
25	connectors	SITC Of required adequate XLR, TRS, EP Stereo, RCA connectors for all speakers..with standard accessories as required and as per the direction of Engineer-In Charge. Make: Neutrik/ MX/ Krystals/ Belden/ Legrand/Jad	1	Lot		
26	Equipment Rack	SITC Of 32U Equipment Rack..with standard accessories as required and as per the direction of Engineer-In Charge. Approved Make : Valrack/Comrack/JAD/Netrack/D-LINK	1	Pc		

VIDEO SOLUTION						
1	Projector	SITC Of 8,000 ANSI Lumens offering bright images in any environment,Up to a 300" ultra-large screen with a lower cost-per-inch,Supports a 21:9 aspect ratio, ideal for Microsoft Teams Rooms,Installation flexibility: H/V lens shift, 1.6x optical zoom, and H/V keystone correction 2nd generation laser phosphor technology with a lifespan up to 30,000 hours, Centralized LAN control for efficient management.Projection System: 3LCD (3x0.64" with MLA),Native Resolution: 1920x1200,,Brightness (Center Lumens): 8500,Contrast Ratio: 3000000:1,Display Color: 1.07 Billion Colors,Light Source Type: Laser Phosphor,Light Source Life (hours) with Normal Mode: 20000,Light Source Life (hours) with SuperEco Mode: 30000 (Eco),Lens: F=1.5-2.08, f=17.2-27.7mm,Projection Offset: 0%+/- 5%,Throw Ratio: 1.2-2.0,Optical Zoom: 1.6X Digital Zoom: 1.0x-4.0x Image Size: 30"-300",Throw Distance: 0.78-12.99m,(100"@2.58m). Approved Make: Panasonoc/Viewsonic/Sony/Barco/Christie	1	NOS		
2	projector screen	SITC Of a Motorized screens with tubular motor & rf remote.Wide format 16:10 HD series 283" or better 150" X240"..with standard accessories as required and as per the direction of Engineer-In Charge. Approved Make: SUVIRA/ELITE/ Liberty/ Digilite	1	NOS		
3	display	SITC Of 75" or better 4K UHD resolution Android LED display with built in 2.4 Ghz Wifi, 1.1 Ghz Built in Quad core processor, 2 GB DDR3 RAM, 8 GB Memory, built in Double Core Mali 600 MHz GPU, with HDR 10, Dolby Audio, Built in Wifi and Cromeast, HDMI CEC, HDMI ARC, Built-in Bluetooth Ver.4, 20W built in speakers, HDMI 2.0 X 3, AV X 1, USB 2.0 X 1, RJ45 X 1, Headphone Out x 1, SPDIF Out x 1 or better , ,with standard accessories as required and as per the direction of Engineer-In Charge. Approved Make:TRUEVIEW/PANASONIC/SONY/LG/SAMSUNG	2	NOS		
4	Matrix Switcher	SITC Of 8 X8 HDMI 2.0b Input, 8 X HDMI 2.0b Output , Supported HDCP 2.2/1.4, DVI 1.0, Supported 18Gbps bandwidth, Supported 4K @60Hz Input and Output, Support Scaling, Compact Design, Control WEB GUI, TCP/IP, RS232, Front Panel.Buttons and IR remote , EDID Management, Supported 8 sets De-Embedded audio to analog and Coax audio ports, ARC audio return to the coaxial ports output only, 8 HDMI Inputs and 8 HDMI Outputs: Enables seamless switching and distribution of up to 8,HDMI source signals to 8 HDMI displays, providing flexibility for large-scale AV environments and installations. Supports Up to 4K2K@60Hz YUV 4:4:4: Each input and output supports video resolutions up to 4K2K@60Hz with 4:4:4 chroma subsampling, ensuring high-definition video quality with vibrant colors and sharp details for demanding visual applications.Inputs 8 x HDMI 2.0b Type A (19-pin female)Outputs 8 x HDMI 2.0b Type A (19-pin female),8 x L/R Stereo ,8 x Coax OutInputs Resolution Up to 4K@60HzOutputs Resolution Up to 4K@60Hz - Support Scaling..with standard accessories as required and as per the direction of Engineer-In Charge. Approved makes : Liberty AV/JAD/4THEWALL / Creston / Extron	1	NOS		

5	Transmitter, Receiver 70M	SITC Of 4K Extender 18Gbps HDMI Extender is a high-performance solution designed to extend HDMI HD video signals and IR control signals over long distances using a single CAT6/6a cable. With support for zero-delay, uncompressed transmission, and video resolutions up to 4K2K@60Hz, this extender delivers exceptional video quality for a variety of professional applications. HDMI 2.0b and HDCP 2.2 compliant - Support 18Gbps video bandwidth- Support video resolution up to 4K2K@60Hz RGB/YCBCR 4:4:4- The transmission distance can be extended up to 230ft/ 70m via a single CAT6/6a cable- Support HDR, HDR10, HDR10+, Dolby Vision, HLG - Support bi-directional IR control signal pass-through- Audio formats LPCM 7.1, Dolby True HD, DTS HD Master, Long-Distance HDMI Signal Extension:- Extends HDMI and IR Signals Up to 230ft / 70m: Capable of transmitting HDMI HD signals and IR control signals over a distance of up to 230ft via a single CAT6/6a cable, ideal for large spaces where direct HDMI cabling is impractical.- Zero-Delay, Uncompressed Transmission: Ensures uncompressed, zero-delay transmission between the transmitter and receiver, providing real-time, high-quality video with no signal degradation - Supports Up to 4K2K@60Hz: Delivers superior video quality with resolutions up to 4K2K@60Hz, ensuring crisp and clear visuals for applications requiring high-definition output..with standard accessories as required and as per the direction of Engineer-In Charge. Approved makes : Liberty AV/4THEWALL / Creston / Extron	4	NOS		
6	Transmitter, Receiver 40 M	SITC Of Extender Set Transmitter, Receiver, 4K2K@30Hz 4:4:4, 10.2Gbps- Supports HDCP 1.4 or better , provides 4K video and image transmission up to 40 meters and Full HD image quality up to 70 meters. Supports HDMI 1.4, DVI 1.0 and HDCP 1.4.- One-way POC support from transmitter to receiver.- One-way IR support.- Supports Bypass .Inputs Transmitter: , Input Features Supports 4K2K@30Hz 40m, 1080P 70m or better .Outputs Transmitter:1X HDMI,1X IR,1X CAT5E/6, Receiver :1x hdmi , Output Features 4K2K@30Hz, Power Connection 12V DC 1A or better ..with standard accessories as required and as per the direction of Engineer-In Charge. Approved makes : Liberty AV/4THEWALL / Creston / Extron	4	NOS		
7	Digital podium	SITC Of Digital podium with Screen Size : 21.5" Diagonal, Resolution : 1920 x 1080, PC Connection : USB Port, Brightness : 250 cd/m2, Input : DVI, HDMI, Touch : Finger and Stylus with capacitive Touch, Stylus Type : Battery Free Pen, Display Colors : 16.7M, Response Time : 5ms, Contrast Ratio : 1000/1, Operating System : Windows, Linux, Mac. Laptop Interface : Inbuilt, Video Port For laptop : 1x HDMI(4K), 1x USB, Audio Port For Laptop : 1x 3.5mm Stereo Female Port, Buttons: Video Selection, buttons x 4, Microphone Control, Buttons, Volume Control Buttons, projector Control, Buttons, Screen up/Down Buttons. LAN Port : 1x RJ-45, USB 2.0 Ports : 4 x USB 2.0 Ports, 1x USB , 1x USB , Power Socket : 3 Pin AC 220, Power Socket, Input / Output Ports : 4x HDMI Inputs, 2x HDMI Outputs, Electrical, Power : 100 – 250V AC, Contents, 3.5mm Male to Male x 1, USB 2.0 M to M x 4. Cartridge : 20mm Condenser, Frequency Response : 40–20000 Hz, Polar Pattern and Microphone Type : Cardioids, Polarized Condenser, Connectors : 3-Pin XLR with 48V Phantom Power and 200 Ohms impedance. Sound Pressure Level : 138 DB SPL @ 1% Threshold..with standard accessories as required and as per the direction of Engineer-In Charge. Approved Make: UNI/PEOPLELINK/BRIOTOUCH/GLOBUS	1	NOS		
8	Projector mounting kiit	SITC Of Projector mount, complete with standard accessories as required..with standard accessories as required and as per the direction of Engineer-In Charge. Approved Make: SUVIRA/ELITE/ Liberty/ Digilite	1	NOS		

9	Cat 6 A cable.	SITC Of Cat 6-A cable.Special Feature Waterproof, Durable, UV Resistant,Recommended Uses For ProductPrinting, Data,Ethernet cable category Cat 6,ColourBlack,Connector GenderMale-to-Male,Data Transfer Rate 10000 Me.with standard accessories as required and as per the direction of Engineer-In Charge.gabytes Per Second,Shape Round. Approved Make: Finolex/Krystal/JAD/Sommer/D-Link	300	MTR		
10	HDMI CABLE	SITC Of 1.5mtr optical HDMI CABLE..with standard accessories as required and as per the direction of Engineer-In Charge. Approved Make: Visiontek/MX/Liberty/JAD	16	NOS		
11	HDMI CABLE	SITC Of 5mtr optical HDMI CABLE..with standard accessories as required and as per the direction of Engineer-In Charge. Approved Make: Visiontek/MX/Liberty/JAD	4	NOS		
12	HDMI CABLE	SITC Of 10mtr optical HDMI CABLE..with standard accessories as required and as per the direction of Engineer-In Charge. Approved Make: Visiontek/MX/Liberty/JAD	2	NOS		
ACOUSTIC SOLUTION						
1	Sound reflective false ceiling(vertical surface) - Plan at (Main Hall)	Supply and Installation of false ceiling Anutone 8 mm thick Tufbloc magnesium oxide HDFR boards of size 1200 x 1200 2400x8 mm having Density-1000 kg mt cube. with STC- 34 – 50, weight - 8.5 kg sq mt. Fire Class - 1&P & Thermal Heat Resistance - 0.11792 W mK Climate (degree Centigrade , RH - 50,95 , Green VoC , RC% - Low & 30 Water resistant with wet expansion less than -0.02% from ambient to saturation. Moisture Movement - 0.02% from Anutone are to be fixed with Philips head screw is fixed by using concealed ceiling system. All These Technical Detailing By SGAAPL OnlyThe concealed ceiling system shall include GI Wall channel(WC 25) having thickness 0.45 mm, length 3600 mm, unequal flanges of 15 & 20 mm and web of 22 mm should be fixed along the perimeters of the wall with nylon sleeves and suitable fasteners at every 300 mm centers. Then suspend Main channels(MC 45) having thickness 0.9 mm, length 3600 mm, equal flanges of 15 mm and web 45mm from the soffit at every 1200 mm centers with Suspender angle(SA 25) having thickness 0.45 mm, unequal flanges of 25 & 10 mm. GI Cross channel(CC 25) having thickness 0.45 mm, length 3600 mm, knurled web 35mm, depth of 25 mm and equal flanges 9.5 mm is fastened to the Main channel in the direction perpendicular to the Main Channel at every 600mm centers. Now the jointing & finishing of the same will be done by using Sgaapl Anutone jointing kit consist of powder mixed with water and apply the same with flat flap on the boards joints to finish the surface of the boards so as to look flush. Apply Anutone synthetic poly fiber PF 5 x 50 acoustic wool of 50 kg density to be kept on the top of the ceiling by laying on the framework. Make Anutone Uno Panel Techtom Sgaapl Test certificate of the use products shall be submitted after procurement of materials. APPROVED MAKE : ANUTONE SAINTGOBIAN OKOTECH TECHTOM	260	SQM		

2	Class B sound absorption false ceiling having 0.90 NRC (horizontal surface) - Plan at (Main Hall)	Supply and Installation of Anutone SynthHD Nubby 15 mm Polyfibre edge polyfibre fibre core ceiling tile of size 595 x 595 x 15mm having all edges encapsulated with chemical treated paint & having density 100-120 Kgs/m³, weight 1.5 kg/m² which is suspended by using 0.3mm thick and 15 mm wide pre coated metal T15 24 grid system. The technical parameters are as follows :Core - Polyfibre, Fire* - H & V Flammability, Acoustics - NRC 1.0 e-600, Climate (OC RH) - 50, 99, Termite resistance, Light reflectance - 85 %, Green (RC %) - 35, Hygiene (VoC, Clean room) - Nil, 60 Strength, Load capacity (Kg) - Antisag. All These Technical Detailing By SGAAPL Only The T15 24 Grid system of 600 x 600 mm module shall include wall angle (WA15) with unequal flanges of size 14 x 20 x 3000mm wide, length 3000mm, 0.43 mm thick fixed along the perimeter of wall with the help of nylon sleeves and suitable fasteners at 300mm centers. Then suspend the Main T15 (MT15W36) having flange width 15mm / 24 mm, height 32 38 mm and length 3600mm thickness 0.30 mm from the soffit with help of soffit cleat and wire at 1200mm c/c. Cross T15 (CT15W12) with flange width 15 mm, height 32 mm and length 1200 mm is then interlocked into the pre-cut slots in the Main T15 at 600mm centers in the direction perpendicular to the Main T15. Finally Cross T15 (CT15W06) having flange width 15 mm, height 32mm and length 600mm are then interlocked into the pre cut slots in the 1200 mm Cross T15 at 1200mm centers and in direction parallel to the Main T15. Anutone Synth HD Nubby edge of size 595 x 595 x 15mm thick shall be placed into the grid size of 600 x 600 mm. Ensure arrow marks behind SynthHD panels are oriented in one direction to achieve uniform shade. Make: Anutone Uno Panel Techtom Sgaapl Test certificate will be submitted after procurement of materials. APPROVED MAKE : ANUTONE SAINTGOBIAN OKOTECH TECHTOM	584	SQM		
3	Sound absorptive side wall paneling (8ft -12 ft) from FFL (Hall) Hfa 0.85 NRC	Supply & installation of wall paneling of Anutone Liso slats Vario surco high density fiberboard made out of pure pinewood particles . Fr Grade - Pure Pinewood Particle core with test BS 476 part 5 , - Melamine laminated finish, perforated wooden grooved HDF slats L16-2 (2 mm grooves @ 8 mm centers), tongue-groove edge for a seamless look of lineal dimension size 128 192 mm x 2440 mm x 16 mm thick having density 700 Kg /m³, weight -9 Kgs/m², 2mm Front Side Sound Absorber & 1076 Distractor Hole nonwoven acoustic to be pasted on slats Teak Teca Beech Haya surco is to be installed by using GI strut system. The technical parameters are as follows Core Variants - Fiberboard, Climate (OC RH) - 50, 70 Light reflectance - 75%, Green (RC %) - 25, Hygiene (VoC, Clean room) - Low, Class 1, NRC-0.85, Strength, Load capacity (Kg) - Anti sag, Ball-Impact. All These Technical Detailing By SGAAPL Only The concealed wall paneling system shall include GI Wall channel (WC25) having thickness 0.45mm, length 3600mm, unequal flanges of 15 & 20mm and web of 25mm should be fixed along the perimeters of the wall with nylon sleeves and suitable fasteners at every 300mm centers. Then fixed Main channels (MC45) having thickness 0.8mm, length 3600mm, equal flanges of 15mm and web 45mm from the side wall & fixed at every 1200mm centers with GI cross channel (CC25) having thickness 0.45mm, length 3600mm, knurled web 35mm, depth of 25mm and equal flanges 9.5mm is fastened to the Main channel in the direction perpendicular to the Main Channel at every 600mm centers. The framework will maintain 50 / 75 mm gap from the walls. Now clad the wooden Anutone slats surco on the CC 18 with the help of center & edge clips to get better locking of slats. The tongue & groove are to be properly aligned to get flush look . Synth Anutone poly fiber PF 5 x 50 wool of 500 gsm to be filled between the horizontal & vertical studs as in filler with the help of wire / stick 7 adhesive. Make: Anutone Uno Panel Techtom Test certificate of the use products shall be submitted after procurement of materials. APPROVED MAKE : ANUTONE SAINTGOBIAN OKOTECH TECHTOM	178	SQM		

4	Sound absorptive side wall paneling Above (8ft-12 ft) from FCL(Hall) Lfa 0.95	Supply and Installation of Amutone SynthHD Slim SAC, highly compressed Synth PF, polyfibre core, of size 1200x2400x25mm, base panel volume density 100kg m³, weight 2.5kg m² wrapped with FR Coated Polyester core SAC fabric of 0.7mm thk of (colour choice), installed by using Amutone Strut framework system and Amutone Strut RC-1. Amutone Strut framework systems includes Amutone Strut CC25, fully knurled, sectional thickness 0.55mm, length 3600mm, web 50mm, depth of 25mm and equal flanges 15mm is fastened to wall positioned vertically in a regular manner at 605mm centers. Amutone Strut RC1 67mm height of cross section, 4.2mm width of cross section, thickness 1.2mm and length 500mm is first fixed behind the panels by using suitable fasteners at 500mm centers. Another length of Amutone Strut RC1 3600mm length to be fastened perpendicular to Strut CC25 at spacing so as to match with that of Strut RC1 rear to panels with suitable fasteners in staggered profile. All Sytem Analysis By Sgaapl and Mentation Technical Data Amutone SynthHD Slim SAC, square edge panels are then slid on to Amutone Strut RC-1 fixed on strut CC25. Joints are butt-tight. The System is backlined with acoustical infill Amutone SynthPF 10x25 held in position with dab spots of Amutone Stick S7 wire mesh (wire mesh not by Amutone). Technical Parameters• Fire (Class) – 1 & P • Acoustics – NRC upto 0.95 • Thermal conductivity (W/mk) – 0.04 • Climate (°C, RH) – 50,99 • Light (%) – Shade dependent • Green (VoC, RC%) – Nil,60 Make:Amutone Uno Panel Techtom	248	SQM		
5	Sound absorptive side wall paneling Stage Area FFL To FCL	Supply and installation of 20 mm thick pinewood wool magnesia bonded colour tiles panels from selected colours (ref colour chart) square edge having fibers panels of size 600 X 1200 - 2400 x 20 mm having density 400 kg m³, weight 8 kg m² installed by using GI strut system. The GI strut work includes Ceiling channel (CC 50) having thickness 0.45 mm, length 3600 mm, knurled web 50, depth 50 mm and equal flanges of 13 mm is fastened to Wall positioned horizontally in a regular manner at 600 mm centers. Then panels to be fixed on the cross channels CC 50 with suitable fastener. Fasteners to be countersunk & painted finished with suitable colours. Panels shall be back lined with acoustical infill of amutone Synthetic poly fiber PF 10 x 10 mm thick adhered to the wall using stick 7 adhesive. Technical Parameters of the panels are : Core Variants - pinewood fiber, Fire - Class 1 & P, Acoustic - NRC 0.95, Climate (OC RH) - 50,90, termite resistance - Yes, light reflectance - color dependent, Green - (RC%) - 10, Hygiene (Vo C, Clean room) - Low, Strength - Load capacity (Kg) - ball impact Test certificate will be submitted after procurement of materials. Make:Amutone Uno Panel Techtom Sg AApI Test certificate of the use products shall be submitted after procurement of materials. Make:Amutone Uno Panel Techtom	132	SQM		
6	Class B sound absorption false ceiling having 0.90 NRC (horizontal surface) - Plan at (STAGE)	Supply and Installation of Amutone SynthHD Ebony 15 mm Polyfibre edge polyfibre fibre core ceiling tile of size 595 x 595 x 15mm having all edges encapsulated with chemical treated paint & having density 100-120 Kgs/ m³, weight 1.5 kg m² which is suspended by using 0.3mm thick and 15 mm wide pre coated metal T15 24 grid system. The technical parameters are as follows :Core - Polyfibre, Fire* – H & V Flammebility, Acoustics – NRC 1.0 e-600, Climate (OC RH) – 50, 99, Termite resistance .Light reflectance – 85 %, Green (RC %) – 35, Hygiene (VoC, Clean room) – Nil,60 Strength.	110	SQM		

STAGE LIGHT SOLUTION					
1		SITC of 100W High Quality LED Parcan Light complete with, Lamp source 3200K CCT Colour temperature CRI & TLCI Values above 95 COB LED source from Citizen/ Philips/ Osram/ Cree or reputed make (LM80 to be provided) DmX 512 dimming with 3 channel control Beam Angle of 9° / 25° / 35° Total Power Consumption of 120W High quality output replacing 1000W Halogen Par Flicker Free 100% for Tv & Film Cameras 11.7KHz Refresh Rate, Linear Dimming 0 ~ 100% Fuse and Internal safety protections Strobe option Adjustable 1~25 times/Sec Variable Fixture provided with Yoke of Manual Adjustment 5 Pin XLR for DmX , Black powder coated body. RDM Control options with latest technology (RDM ID to be specified) Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014 LM79 Certificates from NABL Accredited laboratory. Brand embossed impact on the light body for genuine product APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	10	Nos	
2		SITC of 200W LED Profile Spot 19 Degree Light complete with, 3200K CCT Colour Temperature COB LED source from Citizen/ Philips/ Osram/ Cree or reputed make (LM80 to be provided) CRI & TLCI above 95, Strobe option Adjustable 1 ~ 25 times / Sec 4 Kinds of dimming curves, Black finish housing, Manual Focus with 4 Beam shaping cutters Efficient and well-designed Lamp reflector Efficient Copper tube based Heat Sink for Heat Dissipation Sleek and Unique Designed Light weight body Fixture provided with Yoke of Manual Adjustment DmX 512 dimming with 1 or 3 Channel modes IP20 protection having Lux @ 3 Mtrs above 9080 suitable to illuminate the key presenter or talent on stage. RDM Control options with latest technology (RDM ID to be specified) Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 . CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014 LM79 Certificates from NABL Accredited laboratory. Brand embossed impact on the light body for genuine product APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	2	Nos	
3		SITC of 200W LED Blinder Light 30 Degree complete with 3200K CCT 2x100W Chip On Board LED Lamp source COB LED source from Citizen/ Philips/ Osram/ Cree or reputed make (LM80 to be provided) DmX 512 dimming with 4 / 8 Channel modes CRI & TLCI Value > 90 , Strobe option Adjustable 1 ~ 25 times / Sec Variable, Beam Angle 30 Degree Total Power Consumption of 220W 11.7KHz Refresh Rate, In built preset's for effects Fuse and Internal safety protections, Active Cooling with Low Noise Fan, 5 Pin XLR for DmX, High quality well designed inbuilt reflector, Flicker Free 100% for Tv & Film Cameras, Black finish housing, IP20 protection, Having Strobe option and smooth dimming,illuminate Stage with uniform light intensity levels. RDM Control options with latest technology (RDM ID to be specified) Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014 LM79 Certificates from NABL Accredited laboratory. APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	6	Nos	

4	SITC of 100W LED Fresnel Light having COB LED source from Citizen/ Philips/ Osram/ Cree or reputed make (LM80 to be provided) 3200K colour temperature High quality uniquely designed Fresnel Lens CRI,TLCI and R9 value above 96 LED COB Based Source No Multiple Shadows – Single Source illumination Total Power Consumption of 110W Linear dimming 0 ~ 100% Adjustment Flicker Free for High FPS, Power AC90-260V, 50/60HZ Working Temperature - +40° ~ -30° Active Cooling with Low Noise Fan DmX & RDM Control options with latest technology Fixture provided with Yoke of Manual Adjustment Manual and DMX control Option mode through 5pin xlr Black powder coated fabricated housing with normal yoke. RDM Control options with latest technology (RDM ID to be specified) Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014 LM79 Certificates from NABL Accredited laboratory. Brand embossed impact on the light body for genuine product APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	4	Nos		
5	SITC of 54 x 3W LED Par Light RGBW, Beam Angle 25° complete with LED source from Lumiled / Seoul / Nichia or reputed make (LM80 to be provided) RGBW 3W Lamp source x 54 Pcs DmX 512 dimming with 8 Channel High Bright Red, Green, Blue, White LED's Source Unlimited Color Mixing through DmX 0 ~ 100% Linear dimming , In built presets for different colors Strobe Mode 20 times/Sec Data DmX through 3 / 5 Pin XLR's 65dB ~ 130dB Sound sensing capacity Power In and Out Connections High precision colors, IP20 protection Powder coated Black finish housing Having Sound Control & Master Slave Auto Run Mode Illuminate the Indoor stage with unlimited colour effects Rigidly built pressure die-casted Aluminium body. RDM Control options with latest technology (RDM ID to be specified) Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014 LM79 Certificates from NABL Accredited laboratory. Brand embossed impact on the light body for genuine product APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	16	Nos		

6		SITC of 180W LED CCT tuneable Light complete with CCT Tuneable Lamp source LED source from Lumiled / Seoul / Nichia or reputed make (LM80 to be provided) Having CRI TLCI Values above 95 High precision steady color No heat, DmX 512 dimming with 2 Channel Beam Angle 15° / 25° / 45° 0 ~ 100% Smooth dimming, Powder coated Black finish housing Rigidly built pressure die-casted Aluminium body LED Easy view display, Flicker Free for high FPS Smooth fade in and Fade out Data DmX through 5 Pin XLR's Total Power Consumption of 180W Sound Active Mode Control IP20 protection. 65dB ~ 130dB Sound sensing capacity Power In and Out Connections RDM Control options with latest technology (RDM ID to be specified) Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014 LM79 Certificates from NABL Accredited laboratory. Brand embossed impact on the light body for genuine product APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	6	Nos		
7		SITC of 54x3W LED 3200K Par Light Beam Angle 25° complete with 3200K 3W Lamp source x 54 Pcs LED source from Lumiled / Seoul / Nichia or reputed make (LM80 to be provided) Having CRI TLCI Values above 95 Flicker Free for high FPS Smooth fade in and Fade out High precision steady color No heat, DmX 512 dimming with 2 Channel 0 ~ 100%. Powder coated Black finish housing Rigidly built pressure die-casted Aluminium body LED Easy view display Data DmX through 3 / 5 Pin XLR's 65dB ~ 130dB Sound sensing capacity Power In and Out Connections Total Power Consumption of 180W Sound Active Mode Control IP20 protection. RDM Control options with latest technology (RDM ID to be specified) Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014 Brand embossed impact on the light body for genuine product APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	6	Nos		
8		SITC of 300W LED Cyclorama Wash Light with 60 Degree or better beam spread 48 LED Emitters having RGBL Source Seamless CCT Tuning from 3000K ~ 7000K R,G,B + WW direct access through knobs for manual operation 10 Presets for CCT Selection Asymmetric Reflector on LED's Uniform Spread with RGBW LED control 14+ DmX Channel operation Nuetrick Power loop in and Out Luxeon LED High Lumens per watt RGB Colour mixing and presets control Barndoor arrangement for Light spill control 230V AC Input power along with Fuse protection No Noise 0 dB operation APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	6	Nos		

9		SITC of Light fixture mouting clamp Customized for suspending on fixed bars on stage Made up of Aluminium Die casted MS threaded T bolt with yellow passivation finish Complete with black powder coating matt black finish. Safe working load 150 KG Suitable to Batten of size 30 OD to 60 OD APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	56	Nos		
10		SITC of Light Fixture dual safety Chain made up of GI wire rope Bundled and twisted together Having load bearing capacity above 200 Kgs Sleeve on the rope. Carabiner Clip APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	56	Nos		
11		SITC of Suspender cum clamps designed made out of MS material 150mm x 150mm x 5mm MS Base plate Threaded rod, Black powder coated finish All the materials under gone through 7 tank process with various chemical treatment to keep them rust free Suitable to hold various type grid & other rigging systems. APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	38	Nos		
12		SITC of Fixed stage side Ladder as per the design, With an Mild Steel 40NB 48 OD black matt finish. It should hang from the roof with MS anglewhich is suspended from the fish plate of 5mm. Size of 600mm x 2400mm, Manual movable Made out of 40NB 48 OD Mild steel pipe dual barrel Dual Barrel Arrangement Powder coated with Matt black Texture Single Construction with Cross connecting pipes Cross connecting Pipes at every 600mm Ladder can be moved along the track or adjusted as required, Spud & Trolley, Pivoted or Fixed Suspenders as per site conditions Round pipe welded to create square frame Heavy duty trolley to hold and rotate wing frame Single Construction with Cross connecting Pipes at every 600mm Ladder can be moved along the track Material for the light bar shall be of Mild Steel Pipe. Powder coated with Matt black Texture Fixing Through Suspenders as per site conditions Ladder Length shall be of customized type as per site condition. APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	4	Nos		
13		SITC of Fixed on stage Lighting bar/winch of 13 Mtr length constructed with an dual contruction light bar with an Mild Steel 40NB 48 OD black matt finish with an supporting flat patti of height 200mm x 50mm x 6mm thickness for the extra support with 2 holes of 10mm diameter to fix the cable tray on the bar.It shall be hanged from the roof to accommodate various type of stage light fittings. It should hang from the roof with MS anglewhich is suspended from the fish plate of 5mm thickness which is fixed on the rcc roof with 4 anchor fastners of 10mm which can take an total load of 400KG each fastner. Made out of 48mm Outer Dai, 40 Nominal Bore Material for the light bar shall be of Mild Steel Pipe. Dual Barrel Arrangement Powder coated with Matt black Texture Fixing Through Suspenders as per site conditions Dual Construction and an additional End Caps on the Pipe end shall be there Light bar Length shall be of customized type as per site condition. Upper pipe of dual construction is used to anchor the bar lower pipe is effectively used to hang the light fixtures APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	3	Nos		

14	SITC of Fixed FOH Lighting bar/winch of 14 Mtr length constructed with an dual contruction light bar with an Mild Steel 40NB 48 OD black matt finish with an supporting flat patti of height 200mm x 50mm x 6mm thickness for the extra support with 2 holes of 10mm diameter to fix the cable tray on the bar.It shall be hanged from the roof to accommodate various type of stage light fittings. It should hang from the roof with MS anglewhich is suspended from the fish plate of 5mm thickness which is fixed on the rcc roof with 4 anchor fastners of 10mm which can take an total load of 400KG each fastner. Made out of 48mm Outer Dai, 40 Nominal Bore Material for the light bar shall be of Mild Steel Pipe. Dual Barrel Arrangement Powder coated with Matt black Texture Fixing Through Suspenders as per site conditions Dual Construction and an additional End Caps on the Pipe end shall be there Light bar Length shall be of customized type as per site condition. Upper pipe of dual construction is used to anchor the bar lower pipe is effectively used to hang the light fixtures APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	1	Nos		
15	SITC of Power Distribution Electrical panel having a Incomer of 100A. Floor mount / rack mount / wall mount. Miniature circuit brakers of single poles shall be fixed of different ratings from 6/10/16/25A as per the lighting fixtures.Wiring inside the module for power, control protection and instrument etc. shall be done with use of 1100 V confirming to IS 694 and IS 8130 All welding slag grounded off and welding pits wiped smooth with plumber metal.Power panels shall be designed in such a way that the internal space is sufficient for hot air movement, and the electrical component does not attain temperature more than 40 degree Celsius.Fabricated panel shall be supported with ms angles of size 25mm x 25mm with an 1.8mm thickness sheet to hold the structure. Nuetral separation made using incomer of L&T or Schneider make. Voltmeter, Ammeter display for reading visualization Individual MCB control for 36 outgoing circuits RYB Phase indicators internally wired using IS certified wires and cables Terminal for both incoming and outgoing cable shall be suitable for 1100 volts grade, aluminum/copper conductor PVC insulated and sheathed, armoured cable and shall be suitable for connections. Provided with ivery connectors for the internal terminations and external outgoing connecting points Custom built as per specification and project requirement. APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	1	Nos		
16	SITC of High quality power junction box 4 way made up of MS Sheet metal fabricated housing. Snap fit fixing /15 (1.5mm) Total Max Rating 10A, 250V A.C 20°C to +70°C Operating Temp Moldings: Nylon, Flammability Rating UL94V-0 Black powder coated, fibre glands of suitable size fitted with Powercon or IEC connector Box 10A. Clamp arrangement for fixing or Raul plug arrangement for wall / floor fixing APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	36	Nos		
17	SITC of High quality power junction box 2 way made up of MS Sheet metal fabricated housing. Snap fit fixing /15 (1.5mm), Total Max Rating 10A, 250V A.C 20°C to +70°C Operating Temp Moldings: Nylon, Flammability Rating UL94V-0 Black powder coated, fibre glands of suitable size fitted with Powercon or IEC connector Box 10A. Clamp arrangement for fixing or Raul plug arrangement for wall/floor fixing APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	2	Nos		

18		SITC of High quality Dimming In junction box 1 way made up of MS Sheet metal fabricated housing High temperature resistant insulator material All metal housing offers best overall RF protection & electromagnetic shielding Black powder coated, fibre glands of suitable size fitted with 5 Pin DmX XLR Male socket Clamp arrangement for fixing or Raul plug arrangement for wall /floor fixing APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	1	Nos		
19		SITC of High quality Dimming Out junction box 1 way made up of MS Sheet metal fabricated housing High temperature resistant insulator material All metal housing offers best overall RF protection & electromagnetic shielding Black powder coated, fibre glands of suitable size fitted with 5 Pin DmX XLR Female socket Clamp arrangement for fixing or Raul plug arrangement for wall /floor fixing APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	12	Nos		
20		SITC of DmX Loop Junction Box having 1 No. of DmX 5 Pin XLR Female Socket & 1 No. DmX XLR Male Socket fitted on to a sheet metal fabricated compact Junction box powder coated with matt black texture finish paint. High temperature resistant insulator material All metal housing offers best overall RF protection & electromagnetic shielding. Clamp arrangement for fixing or Raul plug arrangement for wall /floor fixing APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	1	Nos		
21		SITC of Internal Earthing System with copper bare conductors all along the cable trays, metal parts and Installation Hardwares APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	1	Nos		
22		SITC of Black Powder coated cable trays made out of MS Sheet fabricated for a size of 40 x 150 x 40mm & 1.6 mm thickness undergone through 7 tank process with various chemical treatment to keep them rust free with perforation for heat dissipation provided with lid. APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	35	Mtrs		
23		SITC of Black Powder coated cable trays made out of MS Sheet fabricated for a size of 40 x 75 x 40mm & 1.6 mm thickness undergone through 7 tank process with various chemical treatment to keep them rust free with perforation for heat dissipation provided with lid. APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	80	Mtrs		
24		SITC of DmX Male Female Connectors 5 Pin having rubber sheeth protection for Cross connecting DmX wiring connections APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	20	Nos		
25		SITC of DmX Male Termination Connector 5 Pin soldered with required capacity of resistor for signal deframing APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	16	Nos		
26		DmX Touch Screen based controller having 7" Multi touch screen option 2 DmX Outlets 5 Pin XLR's, 512 Channels each, Optically isolated outputs, 4 Smooth Encoders for control operation of attributes, Backlit keys, 12 Fader Stacks, 600+ Playbacks, 350+ Group saving, 350+ Presets, User defined shape effects, Macro saving options, External Midi timecode options, Internal clock, Shortcut user interfaces, Master fader, Blackout Key under Master fader, Numerical keypad for the light command entry inbuilt embedded within controller, USB interface, Scene saving options, Show saves and load save features, custom built user interface library for fixture files. APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	1	Nos		

27		SITC of Opto isolated RDM enabled DmX splitter unit provided with, 8 Isolated outputs, Slow blow safety fuse 5 Pin XLR for output interface, Dual mode to select 2 universe operation, DmX Input through 5 Pin XLR Connector, Control Protocol RDM and DMX 512 Powder coated compartment finish Mounting brackets for grid mount. APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	2	Nos		
28		SITC of FRLS Copper unarmoured Flexible cable IS694 having 3 Core each of 1.5 Sq mm size.	1400	Mtrs		
29		SITC of 5 Core DmX Cable with Sheathed housing on the cable, well designed insulation, low noise suitable to transmit DmX signal.	550	Mtrs		
STAGE DRAPERY SOLUTION						
1		SITC of Suspender cum clamps designed made out of MS material 150mm x 150mm x 5mm MS Base plate Threaded rod, Black powder coated finish All the materials under gone through 7 tank process with various chemical treatment to keep them rust free Suitable to hold various type grid & other rigging systems. APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	50	Nos		
2		SITC of C Profile MS Hot rolled strips 3mm thick with Extra U bend used either to create basic supports Customized 40 x 50mm. All the materials under gone through 7 tank process with various chemical treatment to keep them rust free Makes easier to suspend all the stage machinery Duly powder coated Matt black texture finish paint APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	90	Mtrs		
3		SITC of Motor Control Panel with DMX & Manual selectable Motor control panel, cum remote control 2 Way providing power input for motors internally neatly wired with contactors having individual motor control with required Push button, Emergency trip, RYB indicators, Supply Indicator and necessary meters operated wireless smart working functionality for the motorised lightbars should be there with one neutral & phase connection slots and with 2 virtual load terminals. For each motor unit one each switch units should be installed inside the control panels which can be controlled with our mobiles, touch pads only with the internet connection. Motor control panel duly powder coated with ash grey paint texture finish with all required safety features APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	1	Nos		
4		SITC of Cable Connecting Circuit Boxes for the termination of cables from Electrical panel to the grid level point made out of MS Sheet metal fabricated housing duly powder coated with matt black texture finish paint, fitted with required channels and ivory connectors, necessary glands etc. APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	2	Nos		
5		SITC of FRLS Copper unarmoured Flexible cable IS694 having 7 Core each of 1.5 Sq mm size.	50	Mtrs		
6		SITC of FRLS Copper unarmoured Flexible cable IS694 having 4 Core each of 4 Sq mm size.	30	Mtrs		
7		SITC of High quality Velvet fabric fire retardant treated as per approved colour and make with a gathering of 100% stitched as per site condition, curtain provided with eyelets at every 200/250mm for uniform fixing on to curtain trollies (For Main Curtain) Size: 16.5 Mtr x 5 Mtr. APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	1	Nos		
8		SITC of Glazed Cotton fabric fire retardant treated as per approved colour and make with a gathering of 50% stitched as per site condition, curtain provided with eyelets at every 200/250mm for uniform fixing on to curtain trollies (For Rear Curtain) Size: 16.5Mtr x 5Mtr. APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	1	Nos		

9		SITC of Glazzed Cotton fabric fire retardant treated as per approved colour and make with a gathering of 50% stitched as per site condition, curtain provided with eyelets at every 200/250mm for uniform fixing on to curtain trollies (For Frills) Size: 14 Mtr x 1.2 Mtr. APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	2	Nos		
10		SITC of High quality Velvet fabric fire retardant treated as per approved colour and make with a gathering of 100% stitched as per site condition, curtain provided with eyelets at every 200/250mm for uniform fixing on to curtain trollies (For Main Valance) Size: 15.5 Mtr x 1.5Mtr. APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	1	Nos		
11		SITC of Glazzed Cotton fabric fire retardant treated as per approved colour and make with a gathering of 0% stitched as per site condition, curtain provided with eyelets at every 200/250mm for uniform fixing. (For Wing) 5 Mtr x 1.5Mtr APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	6	Nos		
12		SITC of On Stage Fixed Frill Bar 14 Mtrs Length Straight as per the design made out of 40NB 48 OD Mild steel pipe dual barrel, supported to hang the frill, connected with MS Flat duly powder coated with matt black texture finish paint. All the materials under gone through 7 tank process with various chemical treatment to keep them rust free APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	2	Nos		
13		SITC of On Stage Fixed Valance Bar 15.5 Mtrs Length Straight as per the design made out of 40NB 48 OD Mild steel pipe dual barrel, supported to hang the Main Valance of the stage system duly powder coated with matt black texture finish paint. All the materials under gone through 7 tank process with various chemical treatment to keep them rust free APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	1	Nos		
14		SITC of Fixed Wing Structure designed as per site condition for a height approx 5Mtr x 1.5Mtr made up of MS Square tube of 25mm or higher size rested on pivotable trolley on a track for the rotation of the wing. Adjustable floor locking screw jacks with rubber grips. Inverted 4-Wheeler Trolley with Flexi Adaptor Clamp and 360° Rotatable. APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	6	Nos		
15		SITC of Motorized DMX operated Main Curtain 16.5 Mtrs straight, Centre parting as per design. This mechanism shall be provided with 01 Nos. of 1.5 HP, 1440 RPM, 90 B5 frame, 3Ph. 415VAC Motor with Brake for Motor System to lift a load which should be synchronized with Motor Control centre Panel. Winch shall have 3 phase motor with an RPM of 1440,KW (HP) : 1.1(1.5), Frame : 90S, EFF:75.0%, MTG : B5, AMP :2.7Y, Volt:415v, DE BRG : 62052Z, DUTY:S1, FREQ:50Hz, NDE BRG:62052Z, IP:55, AMB:50 degree The outer surface temperature is limited.It shall have an Worm Reduction Gearbox with GMRV-90 80:1, 90B5, Single Reduction 7.5:1 to 100:1 and the size shall be 90. It shall have an drive unit base frame to fix the gear box which contains one shaftMade up of I Track for complete lengthCurtain holding trollies with ball bearing for smoother noiseless movement consisting of 4 wheeler master trolley and 2 wheeler trolley placed uniformly at specific interval of 200mm /250 mm throughout the track Overlap of 0.5-0.9 Mtrs. Motor Cable termination box Trollies uniformly distributed along the track at every 200/250mm with a master trolley. Open and close limit controller.Drive unit with suitable capacity of motor unit, Wire Rope shall be of GI Wire ropes Min 3mm Dai Undergone through various chemical treatment to keep them rust free, Black texture finish paint. All metal parts are powder coated APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	1	Nos		

16	SITC of Motorized DMX operated Rear Curtain 16.5 Mtrs straight, Centre parting as per design. This mechanism shall be provided with 01 Nos. of 1.5 HP, 1440 RPM, 90 B5 frame, 3Ph. 415VAC Motor with Brake for Motor System to lift a load which should be synchronized with Motor Control centre Panel. Winch shall have 3 phase motor with an RPM of 1440,KW (HP) : 1.1(1.5), Frame : 90S, EFF:75.0%, MTG : B5, AMP :2.7Y, Volt:415v, DE BRG : 62052Z, DUTY:S1, FREQ:50Hz, NDE BRG:62052Z, IP:55, AMB:50 degree.The outer surface temperature is limited.It shall have an Worm Reduction Gearbox with GMRV-90 80:1, 90B5, Single Reduction 7.5:1 to 100:1 and the size shall be 90. It shall have an drive unit base frame to fix the gear box which contains one shaftMade up of 1 Track for complete lengthCurtain holding trollies with ball bearing for smoother noiseless movement consisting of 4 wheeler master trolley and 2 wheeler trolley placed uniformly at specific interval of 200mm /250 mm throughout the track Overlap of 0.5-0.9 Mtrs. Motor Cable termination box Trollies uniformly distributed along the track at every 200/250mm with a master trolley. Open and close limit controller.Drive unit with suitable capacity of motor unit, Wire Rope shall be of GI Wire ropes Min 3mm Dai Undergone through various chemical treatment to keep them rust free, Black texture finish paint. All metal parts are powder coated APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	1	Nos		
17	SITC of Fixed Cyclorama arrangement of 12 Mtrs straight as per design made up of 1 Track for complete length with Trollies uniformly distributed along the track at every 200/250mm. All metal parts are powder coated with black texture finish paint. All the materials under gone through 7 tank process with various chemical treatment to keep them rust free APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	1	Nos		
18	SITC of Perforated plastic cyclorama screen with perforation on 1side with gathering of 0% stitched as per site condition, curtain provided with eyelets at every 200/250mm for uniform fixing on to curtain trollies. Size: 12 x 5 Mtr APPROVED MAKE : LEKSA/LYTMEN/MERKRICH	1	Nos		

FURNITURES					
1	Auditorium Chair	SITC Of Push back chair or Fixed Back chair Auto Tip-up cushion Sliding mechanism – Proprietary item as per CVG design. Design is subject to change for continual improvement. Arm-rest to Arm-rest (center dist.): 21'' to 24'' (inches) PPCP-injection molded Housing for Cushion & Backrest. All sheet metal parts with powder coated / or zinc passivated .Seat numbering on cushion on tip-up portion as per CVG design. Row numbering for seats along the aisles. Provision for lights on sides for seats along the aisles. Integral Skin Armrest/PPCP /Wooden. Approved from our existing range of fabric. 3mm lamination on fabric FR grade material confirms to IS 15061 For horizontal Burning test only Frame of ERW Round Provision for lights on sides for seats along the aisles. Integral Skin Armrest/PPCP /Wooden. Approved from our existing range of fabric. 3mm lamination on fabric FR grade material confirms to IS 15061 For horizontal Burning test only Frame of ERW Round Tube / IS :3074 - 2005 Cushion Frame - 19 dia 1.2mm thick, Back Rest - 16 dia 1.63 mm thick, S Spring Wire Dia – 2.9 Remark – dimension tolerance +2 mm Density: 45 + 5 Kg/M3 / JIS K 6401 Constant Compression Set: (Max. 13%) JIS K 6401. Approved Make:CVG/ Innovative /Godrej/Featherlite/Ayesha steel	418	NOS	
2	RECLINER CHAIR	SITC Of Single Seater Manual Recliner Sofa, 3 Modes of Comfort , Manual Recliner Chair, Cushion Armrest. High-quality and high resilient foam is used for making the recliner. The back is filled with a non-siliconized virgin polyfill for a greater back support and comfort. This recliner comes with additional polyfill cushion along the arm rest, which is suitable for long sitting duration. There are three reclining positions in this recliner. Sitting, reading and watching TV. Angles open are such that promotes the most ergonomically suitable position for longer sitting duration. Approved Make:Recliner India /Godrej/Featherlite	2	NOS	
CONFERENCE HALL					
1		CHAIRMAN UNIT SITC of Digital Chairman Business Conference Unit with camera control Option, Output frequency response 50- 16000Hz, Earphone load >16 Ω, Earphone volume 10 mV, Earphone output φ 3.5mm stereo jack, Max. power consumption 1.65W, Connection Cat 5 or 7P-DIN dedicated cable with buckle, Inbuilt Speaker, can be muted. Should have LED display for volume level and speaker on/off Status. Should have 3-pin mini XLR mic input that can accept the array microphones. The chairman units should have 2 buttons - Push to Talk & Mute All for a quick conference. Should have a Gooseneck Array Microphone for better Quality and sensitivity. Approved Make : OSL/Sennheiser/shure/Audio technica	1	NOS	

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2		<u>DELEGATE UNIT</u> SITC of Digital Delegate Business Conference Unit with camera control, Output frequency response 50 16000Hz, Earphone Load >16 Ω, Earphone volume 10 mV, Earphone Output ϕ 3.5mm stereo jack, Max. power consumption 1.65 W, Connection Cat 5 or 7P-DIN dedicated cable with buckle, Inbuilt Speaker. Can be muted. Should have LED display for volume level and speaker on/off Status. Should have 3-pin mini XLR mic input that can accept the array microphones. The delegate units have a single Push to Talk button for a quick conference. Should have a Gooseneck Array Microphone for better Quality and sensitivity. Approved Make : OSL/Sennheiser/shure/Audio technica	30	NO S		
3		<u>CONTROLLER</u> SITC of Digital Business Conference System Controller with camera control, Supply voltage AC110V or AC220V, Max conference microphones 512, Frequency response: 20- 20000Hz, Signal-to-noise ratio: >80dBA, Dynamic range: >85dB, Audio crosstalk: >70dB, Total harmonic distortion: <0.05% Original input: 6.3 mm balanced Signal strength: 0.775 V. The system should have both automatic Voice Activation option for the Chairman & delegate Units as well as manual activation control. System should have balanced audio output and at least 4 digital input for the Delegate & Chairman Units. Should be configured both from the Front Panel as well as through PC software or better. Should have RS-232/ RS-485 Control Option or better. Approved Make : OSL/Sennheiser/shure/Audio technica	1	NO S		
4		<u>Feedback Compressor</u> SITC of Business Conference System surpasses the industry standards in its ease of use, design & interoperability with the existing conference room ecosystem. The BFC Feedback Suppressor is an automatic 2-channel feedback suppression unit with MagicLevel Curve reduction to reduce feedback evenly across the spectrum. It allows for better deployment of the conference system in venues with acoustical challenges. No. of Input 2 Input Connectors Female XLR / TRS Jack, CMRR >40 dB, A/D Dynamic Range 113 dB(A) Sample Rate, 48 kHz No of Outputs, 2 Power Consumption 9 W. 24 Programmable Filters per Channel, Stereo or Dual Independent Channel Processing, Live and Fixed Filter Modes, Selectable Filter Lift Times, Application-specific filter types include: Speech and Music Low, Med and High, Input channel Metering, 24 LED per Channel Filter Metering, XLR and TRS Inputs and Outputs. Type IV Dynamic Range, Input Connectors Female XLR and 1/4" TRS Input Type Electronically bal/unbal RF filtered Sample Rate, Input Impedance Bal 40k ohm, unbal 20k ohm Frequency Response, Max Input 1+20dBu Interchannel Crosstalk, CMRR >40dB, typically >55dB@1kHz Operating Voltage >119dB, A-weighted, 22kHz; BW: >117dB, unweighted, 22kHz BW 48kHz, 20Hz-20kHz, +-Q5dB, >80dB typical, 100VAC 50/60Hz: 120VAC 60Hz: 230VAC 50/60Hz, Output 2 total Power input 220V-50Hz, Output Connectors Male XLR and 1/4" TRS Distortion <1.5% @1KHz, Output Type Electronically bal/unbal, RF filtered Signal to noise ratio >71dB, Max Output +20dBu Amount of frequency 5Hz+10% shift A/D Converter dbx Type IV conversion system, A/D Dynamic Range >114dB, A-weighted, >112dB unweighted Output impedance 200 Ohms, Input Type Electronically bal/unbal RF filtered Weight 3.2kg, Power Consumption 9W Size 480x230x44mm. From the powerful DSP module to the no-nonsense user interface, the feedback compressor provides all the processing and control necessary for both installation and live use. The feedback compressor is an absolute must for any live sound application. Including OEM Authorization. Approved Make : OSL/Sennheiser/shure/Audio technica	1	NO S		

5		Speaker SITC of 4" Expandable Column Speaker - IP64.60W continuous (240W peak) power with a 150 Hz-18 kHz response. Its 120° x 30° coverage and 111 dB max SPL ensure focused, intelligible sound in challenging environments.Freq. Response (-3 dB) : 150 Hz - 18 kHz. Freq. Range (-10 dB) : 110 Hz - 18 kHz, Rated Power : 60W AES, 240W Peak. H Dispersion : 120°, V Dispersion : 30°, Nominal Impedance : 8 Ω, Max Output : Cont 105 dB, Peak 111 dB.4" Full Range Driver, 60W AES, 240W Peak. 1" Copper Voice Coil - Ferrite Magnet, 4 Driver Column, Environmental Resistance Coating. Approved Make: MARTIN AUDIO/ L-ACOUSTIC/BRITISH ACOUSTICS/D&B AUDIOCHNIK	10	NO S		
6		Amplifier SITC of 2 X 750W Class H Amplifier,750W per channel at 4Ω, designed for clean, controlled sound in mobile rigs, club installs, and touring systems. Built with X Series PSL preamps, Gorilla Limiters, and robust circuit protection, it ensures tight lows, clear mids, and crisp highs. With 26 dB gain and a >500 damping factor,Input CMRR > 60 dB, Freq. resp.: 20Hz - 20kHz ±3dB, THD : better than 0.08% (1 kHz), THD : better than 0.18% (FR), Nominal system gain: 26 dB, Input Impedance — 20kΩ, >500 Damping Factor, 1kHz, 8Ω, Signal Limiters Present, Protection Against Short Cicrcuit /Temperature / DC Outputs, Gorrila Limiters Present,3A Power Consumption, Nominal @ 240V,4 Ohms. 4.8A Power Consumption. Nominal @120V, 4 Ohms. Approved Make: MARTIN AUDIO/ L-ACOUSTIC/BRITISH ACOUSTICS/D&B AUDIOCHNIK	3	NO S		
7		MIXER SITC Of 12 Channel Analogue Mixing Desk With Dual FX,C 110V-240V, 50-60Hz, IEC input power cable (included), Internal universal power supply,78W Max power consumption,16 input channels, 8 Mic/Line XLR inputs (3kΩ), 2 Stereo line TRS Jack inputs (10k Ω), USB audio playback & recording, wireless media inp,1 stereo out - L/R(75Ω), 4 group outputs(150Ω), 3 Aux outputs (75Ω), 1 Phones output (150Ω), -70 dB Crosstalk at 1kHz, -90 dB Signal to noise ratio, All channels routed . Approved Make: MARTIN AUDIO/ L-ACOUSTIC/BRITISH ACOUSTICS/D&B AUDIOCHNIK	1	NO S		
8		DUAL CHANNEL WIRELESS MICROPHONE SITC Of Dual channel true diversity receiver upto 16 simultaneous operating channels, over a PLL synthesized circuit and anti-interference support. The Q500.2R True-Diversity dual channel receiver comes in a 19" rack size and can be mounted using the rack mount accessory. The RF range for the receiver is 100m (Line of Sight) Operating Channels,16 Channels Simultaneous Use,Frequency Selection Auto Selection with IR Sync,Frequency Bands,C: 734 - 776 MHz;GB: 606 – 648 MHz;E: 823 – 865 MHz;D: 780 - 822 MHz,Frequency Range 20 Hz - 20 kHz,Power Supply,DC12V-18V / 500mA odulation Wideband FM,wireless hand held Microphone, Type: Dynamic, Pattern: Cardioid, Oeprating Range: 100 ft. Line of Sight, Mute Switch, Steel Mesh Grille, RF Output - 30 mW, RF Range 100m Line of Sight, Operation Time - 8 Hours. Approved Make : OSL/Sennheiser/shure/Audio technica	3	NO S		

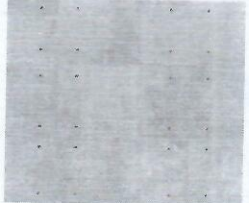
9		<u>SPEAKER CABLE</u> SITC Of 2 Core Loudspeaker Cable,48/0.20mm, 1.5 Sqmm,PVC Insulation Dia. 2.90 mm, Core,Sheath Type Vaisform PVC,DC resistance @20 °C-Conductor 13.7.0 Q/Km,Operating Voltage 600 v,Inductance (1kHz at 20 °C) 0.7 uH/m with PVC Conduit complete as required.Including OEM Authorization. Approved Make: LYNQ/ Sommer/ Belden/ KRYSTAL/JAD	400	MT R		
10		<u>SIGNAL CABLE</u> SITC Of 2 core Shielded Signal cable.SINGLE PAIR 1. TYPE : SHEILDED,ARMOURED, SINGLE PAIR SIGNAL CABLE,CONFORMING TO STANDARDS IS:8130, IS:5831, IS:3975, IS: 1554 2. CONDUCTOR : MULTISTRANDED(7NOS. X 0.53MM DIA), ANNEALED TINNED COPPERCONDUCTOR. CONFORMING TO IS 8130..Including OEM Authorization. Approved Make: LYNQ/ Sommer/ Belden/JAD/KRYSTAL	200	MT R		
11		<u>EQUIPMENT RACK</u> SITC Of 22u rack internal control wiring, L angle Support, dummy IU Space for each and every equipment, MS door for both side and suitable power supply unit for the above equipments etc.Including OEM Authorization . Approved Make : Valrack/Comrack/JAD/Netrack/my stand/D-LINK	1	NO S		
12		<u>Connectors</u> SITC of required adequate XLR, TRS, EP Stereo, RCA connectors for all speakers. Make: Neutrik/ MX/ Krystals/ Belden/ Legrand/Jad	1	LOT		
13		<u>INTERACTIVE DISPLAY</u> SITC OF Diagonal Size 247.6cm (98 inch), Ultra Resolution Output Zero bonding technology for natural writing experience. Front audio stereophonic speakers. Industrial grade aluminium frame. Multiple signal input HDMI, SPDIF, RS232, AV I/O, Earphone. Infrared touch technology for rich writing experience. Password Lock protected. 400cd/m ² ±10% high brightness. Built in Android OS with optional windows OS. 4mm protect and anti-scratch glass. 20 Point Touch. ≤5ms response. Bonding Technology Zero Bonding. Display Orientation Landscape / portrait *. Aspect Ratio 16:9, Pixel Pitch 0.5622 (H) X 0.5622 (W), Response≤8ms, Resolution 3840 x 2160 pixels.Contrast Ratio 5000:1 Dynamic, 1200:1 Static.Brightness(cd/m) 400cd/m ² ±10%. Approved Make: TRUEVIEW/PANASONIC/VIEWSONIC	1	NO S		
14		<u>COMMERCIAL DISPLAY</u> SITC OF COMMERCIAL DISPLAY Panel Size: 75",Offers 24/7 non-stop playback in both landscape and portrait modes.Single USB-C port provides a one-cable solution for diverse content sharing.Type/ Tech:TFT LCD Module. DLED,backlight,Display Area (mm): 1650 24(H)x 928.26(V) (74.5"),Native Resolution: 3840 x 2160,Aspect Ratio: 16:9,Colors: 1.07G (8bits + FRC),Brightness: 520 nits (typ.),Contrast Ratio: 5000:1,Response Time: 6.5ms,Viewing Angles: H = 178, V = 178 typ.Backlight Life: 50,000 hours.Surface Treatment:Anti-Glaire, 3H hardness, Haze,25% Orientation: Landscape & Portrait,PLATFORM Processor: Quad-core,RAM: 4GB,Storage: 32GB,INPUTHDMI: 2.1 x2 (HDCP 2.2),RS-232: x 1,IR Pass Thru: x 1,OUTPUT RS232: x 1,IR Pass Thru: x1,LAN RJ45: x 1,USB Type A: 2.0 x 2,Type C: x1 (DP1.2, PD 65W, USB2.0),SPEAKERS 10Wx2,EMBEDDED OS,Android 14,POWER Voltage: 100-240V AC +/- 10%,Consumption: On: 218W ; Off <0.5W. Approved Make: SAMSUNG/SONY/VIEWSONIC/TRUEVIEW/PANASONIC	2	NO S		

15		COMMERCIAL DISPLAY SITC OF 55" 4K UHD(3840 X 2160) Slim DLED display, 600 Cd/m2, Android 9.0, Quad-Core ARM Cortex-A55 CPU, ARM Mali-G31 MP2 GPU, 2GB DDR4 memory, 16GB storage, HDMI 2.0 X 4, DP 1.2a X 1, USB-A 3.0 x 1, USB-A 2.0 x 1, USB-A 2.0 (Internal) x1, USB-C 3.0 x 1, HDMI Out x 1, RJ45 X 1, RS232 X 1, Audio IN X1, Audio Out x 1, Optic SPDIF, RJ12 x 1, 20W in built speaker, 24/7 operation, Built in Wifi & Bluetooth, HTML5 CMS Launcher, Android CMS Launcher, Scheduler, USB-Autoplay, Auto-Launch, HDMI-CEC, HDMI-Wakeup, OSD and UI Rotation, Video Rotation, NoSignalPowerOff, Pixel shift, Videowall support, Real Time Clock. Approved Make: SAMSUNG/SONY/VIEWSONIC/TRUEVIEW/PANASONIC	1	NO S		
16		PTZ CAMERA SITC of 30X optical zoom AI PTZ camera offering 4K resolution, smooth auto-tracking, and multiple output options, perfect for conferences, classrooms, and live events. Must have all relevant Camera Control RS232 & RS485 License like Sony or PELCO licenses. Image Sensor 1/2.8" 4K Exmor CMOS, Effective Picture Elements Output 8 Megapixels, S/N Ratio > 50dB, Gain Auto / Manual, TV Lines 1400 (Center/Wide), Shutter Speed 1/1 to 1/32,000 sec, Exposure Control Auto, Manual, ATW, One Push 30X 1X 30X, Optical Zoom 30X, Digital Zoom 1X, Total Zoom 30X, Focal Length f= 4.5 mm (Wide) to 135 mm (Tele), Aperture (Iris) F = 1.8 (Wide) to 4.7 (Tele), Minimum Working Distance 0.1 m (Wide), 1.2 m (Tele), Pan / Tilt Angles Pan : ±170°, Tilt : +90° / -30°, Pan / Tilt Speed (Manual Pan : 0.1° to 100° / sec, Tilt : 0.1° to 100° / sec, Preset Speed Pan : 200° / sec, Tilt : 200° / sec, Image Processing Noise Reduction (2D / 3D), Flip, Mirror, Power Frequencies 50 Hz, 60 Hz, Audio - Channel 2ch Stereo, Audio - Codec AAC-LC, Video Outputs 3G-SDI, HDMI, IP, USB, Audio Outputs 3G-SDI, HDMI, IP, USB. APPROVED Make: TRUEVIEW/VIEWSONIC/CISCO/OSL/AREC	1	NO S		
17		Transmitter and receiver SITC Of transmitter and receiver 4K2K@30Hz 4:4:4, 10.2Gbps or better, Supports HDCP 1.4 or better, Extender Set (Transmitter, Receiver), Supports HDMI 1.4, DVI 1.0 and HDCP 1.4, One-way POC support (from transmitter to receiver), One-way IR support, Supports Bypass. Inputs Transmitter: Receiver: 1x HDMI 1x IR, 1x CAT5e/6, Input Features Supports 4K2K@30Hz 40m, 1080P 70m, Outputs Transmitter: Receiver: 1x HDMI 1x HDMI, 1x IR, 1x CAT5e/6, Output Features 4K2K@30Hz. Power Connection 12V DC 1A, Working Temperature 0° ~ +40° Humidity Range 20% ~ 90%, Storage Temperature -20° ~ +60°, Dimensions 79.5mm x 69mm x 16.5mm - W/D/H, Weight 132 / 130 g, Mounting Desktop Approved makes : Liberty AV/JAD/4THEWALL / Creston / Extron	5	NO S		

18		MATRIX SWITCHER SITC OF 4x4 HDMI 4K 18Gbps Matrix Switcher is a high-performance device designed to provide seamless switching and distribution of up to four HDMI 2.0 sources to four HDMI 2.0 displays. Supporting the latest HDMI standards, this matrix switcher delivers exceptional video quality with advanced control and audio management features, making it ideal for professional AV setups. 4 X HDMI 2.0 Input - 4 X HDMI 2.0 Output (Matrix) - Supported HDCP 2.2/1.4, DVI 1.0 - Supported 18Gbps bandwidth - Supported 4K@60Hz Input and Output - Support Scaling - Compact Design - Control WEB GUI, TCP/IP, RS232, Front Panel Buttons and IR remote - EDID Management- Supported 4 sets De-Embedded audio to analog and Coax audio ports- ARC audio return to the coaxial ports output only, Supports Up to 4K@60Hz 4:4:4 and HDCP 2.2: Each input and output supports resolutions up to 4K@60Hz with 4:4:4 chroma subsampling, providing high-definition video with accurate colors and sharp details. The matrix also supports HDCP 2.2, ensuring compatibility with modern 4K content-protected devices.- Individual Output Scaling (4K? 1080p) Each HDMI output can be individually scaled from 4K to 1080p, enabling compatibility with a variety of display resolutions. This is ideal for environments that use both UHD and HD displays. Approved makes : Liberty AV / ATEN / Creston/4thewall/jad / Lightware	1	NO S		
19		SITC Of 1.5mtr optical HDMI CABLE.with standard accessories as required and as per the direction of Engineer-In Charge.	12	NO S		
20		SITC Of 5mtr optical HDMI CABLE.with standard accessories as required and as per the direction of Engineer-In Charge.	3	NO S		
21		SITC Of Cat 6-A cable.Special Feature Waterproof, Durable, UV Resistant.Recommended Uses For ProductPrinting, Data,Ethernet cable category Cat 6,Colour:Black,Connector GenderMale-to-Male,Data Transfer Rate 10000 Megabytes Per Second,Shape Round. Approved Make: Finolex/Krystal/JAD Sommer/D-Link	300	MT R		
ACOUSTICS SOLUTION						
1		Supply and installation of Anutone Astral Serge Lance, Metal grille ceilings of size 25x100x3000x0.5mm thk, cell size 150 mm c/c.square edge, made up of Galvanised Mild steel Colour As Per Required RAL Sahde, installed using Anutone Strut ceiling system.Anutone Strut ceiling system includes Anutone Strut Carrier, having 8mm circular perforations at 50mm pitch,sectional thickness 1.2mm, length 3600mm, equal flanges of 21mm, hung from the soffit at 1200mm centers with Hanger rod and soffit cleat (Hangerrod and soffit cleat not by Anutone).All Detailing Technical data provide By sgaapl. C Hanger is fastened to Strut Carrier above at every 150 mm. Anutone C Hanger is used as Connector Clip to Connect Strut Carrier and Anutone Serge Lance. Anutone Serge Lance is fastened to C Hanger at interval of 150 mm or as per architectural drawing• Fire (Class) – A • Acoustics – na • Climate (°C, RH) – 50, 90 • Light reflectance (%) – na • Green (VOC, RC %) – Low, 25	106	SQM		

2	Supply and installation of Anutone Slim Plus Sculpt Kontour, surface embossed and custom shaped polyfibre panels, core-pigmented, high-density, SynthPF rigid panels of size 1220x2440x9/12mm, volume density 200/180kg/m³, weight 1 8/2.16kg/m² adhered on Anutone backer board, square edge magnesite bonded 2mm widepinewood fibre core tiles of size 600x1200x10mm, volume density 400kgs/m³, weight 4kg/m² installed by using Anutone Strut framework system. Anutone Strut framework system includes Anutone Strut CC25, fully knurled, sectional thickness 0.55mm, length 3600mm, web 50mm, depth of 25mm and equal flanges 15mm is fastened to wall horizontally at every 600mm centres. Anutone backer board is installed on the Strut CC25 with suitable fasteners at 600mm centres. Longer edges of the panel should be perpendicular to length of Strut CC25. Anutone Stick S7 is adhesive applied on Anutone backer board and at rear of Anutone Slim Plus Sculpt Kontour. Prior to installation, ensure surface behind are flat, dry and free from dust or other contaminants and leveled. Anutone Slim Plus Sculpt Kontour panels are then adhered to backer board behind with Anutone Stick S7 adhesive. Anutone Strut framework system includes Anutone Strut CC25, fully knurled, sectional thickness 0.55mm, length 3600mm, web 50mm, depth of 25mm and equal flanges 15mm is fastened to wall horizontally at every 600mm centres. The System is backlined with acoustical infill Anutone SynthPF 10x25 held in position with dab spots of Anutone Stick S7/ wire mesh (wire mesh not by Anutone). All The System Detailing By SGAAPL Technical Parameters of finish product • Fire (Class) – B • Acoustics – NRC Upto 0.9 (for system) • Thermal (W/mk) – 0.04 • Climate (°C, RH) – 50, 99 • Light (%) – Shade Dependent	128	SQM		
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MATERIAL LISTS-400 SEATED AUDITORIUM (PARADEEP MUNICIPALITY)

Sl. No	Items	Description	Quantity	Image	Rate
1	BGB Brick cladding	Providing and fixing BGB exposed brick cladding of approved colour, texture and pattern using factory-made brick veneer/cladding units, fixed with polymer-modified adhesive and Sealer wherever required, including surface preparation, cutting, fitting, joint finishing, scaffolding, transportation, labour and all incidental charges complete as per approved drawings and direction of Engineer-in-Charge.	sm		
2	Signage with water fountain wall cladded with Natural grey stone cladding	Providing, fabricating, supplying and installing entrance signage with integrated water fountain feature, comprising RCC/MS supporting structure, engraved/3D lettering in stainless steel/acrylic/metal, natural grey stone wall cladding of approved thickness and finish, concealed water circulation system including pump, piping, nozzles, collection tank, filtration accessories, electrical connections, waterproofing, transportation, erection, testing and commissioning, complete in all respects as per approved drawings and direction of Engineer-in-Charge.	sm		
3	Concrete panels with holes	Providing, supplying and fixing exposed concrete panels (Serene panels- porous with shuttering holes- 1200*600) of approved size, thickness and pattern, manufactured using high-strength reinforced concrete/GFRC with smooth exposed concrete finish, complete with necessary MS/GI supporting framework, anchor bolts, mechanical fasteners, joint sealant, cutting, lifting, transportation, erection, scaffolding, labour and all incidental charges complete as per approved drawings and direction of Engineer-in-Charge.	sm		

4	Solar pole light (10'-12' HT)	Providing, supplying and installing integrated Solar LED Pole Light of height 3.0 m to 3.6 m (10'-0" to 12'-0"), complete with corrosion-resistant marine-grade hot-dip galvanized steel or aluminium pole, specially designed for coastal environments with superior resistance to salt spray and atmospheric corrosion, high-efficiency LED luminaire, mono-crystalline solar PV module, lithium battery, MPPT charge controller, dusk-to-dawn automatic operation, foundation bolts, RCC foundation, internal wiring, testing, commissioning, transportation, labour and all accessories complete as per manufacturer's specifications and direction of the Engineer-in-Charge.	Nos		
5	Uplighter	Providing, supplying and fixing outdoor weatherproof LED Uplighter of approved wattage, IP65 or higher protection, die-cast aluminium housing with toughened glass, suitable for façade, landscape and architectural lighting, complete with mounting brackets, cabling, conduits, junction box, accessories, testing, commissioning, transportation, labour and all incidental charges complete as per approved drawings and direction of Engineer-in-Charge.	Nos		
6	Bollard light (2'6" ht)	Providing, supplying and installing outdoor LED Bollard Light of height 750 mm (2'-6"), fabricated from marine-grade corrosion-resistant aluminium alloy or stainless steel body, specially designed for coastal environments with superior resistance to salt spray and atmospheric corrosion, complete with powder-coated finish, high-efficiency LED luminaire, IP65 or higher protection, polycarbonate/toughened glass diffuser, foundation base plate, stainless steel anchor bolts, internal wiring, conduits, testing, commissioning, transportation, labour and all incidental charges complete as per manufacturer's specifications and direction of the Engineer-in-Charge.	Nos		