

VAISH COLLEGE, BHIWANI

Details of the project- Renovation of Hall/Auditorium for which the tenders have been invited on 05.01.2023

SUMMARY FOR ALL

S. No.	Particular	Amount
A	Audio & Processing Equipment-3 way Audio System, Lip of the Stage & Processing Equipment(All Harman Product)	
B	Stage Lighting Equipment-FOH Lighting, Play Drama, skits, dance, follow spot etc.	
C	List of Hardware for Audio, Video & Stage Lighting	
D	Acoustical Treatment	
E	Hall Carpet & Vinyl Flooring	
F	Gypsum Boxing	
G	Stage Furnishing Treatment	
H	Fire Fighting	
I	COB & Step Lighting (As per Requirement)	
J	General Lighting, Power Point & Electrical Control Panel (As per Requirement)	
K	Earthing	

TERMS & CONDITION:-

1. Tender form must accompany documentary evidence in support of bidder's capabilities/ experience of executing similar works along with valid enlistment certificate.
2. After downloading/ getting the tender schedules, the Bidder should go through them carefully and then submit the documents as per the tender document, otherwise, the bid will be rejected.
3. Deduction of TDS shall be applicable as per rules.
4. Vaish College, Bhiwani shall have right to cancel the tender without assigning any reason.
5. The project must be completed within 6 months of the issuance of the order by the college.
6. Mode of Payment will be dicussed/ deided once the bid is finalized.

A. AUDIO AND PROCESSING EQUIPMENT:-

Sr. No.	Description	Qty	Unit	Price	Amount
A	AUDIO & PROCESSING EQUIPMENT				
1	<p>Supply of 1x15" Three Way Long Throw with 15" LF, 8" MF and a 1.5" exit compression driver having a 75 mm dual voice coil Full Range Speakers Impedance 8ohm Power Handling - LF : 600 Watts, MF/HF : 200 Watts Sensitivity 1w / 1m : 113 dB Max SPL: MF/HF 133 dB/ 139 dB (continuous/peak) Frequency response ±3 : 45 Hz - 18 KHz Frequency Range (-10 dB): 38 Hz – 20 kHz Dispersion : 90° x 50° rotatable horn The hardware should be 14 SWG anti kick steel Grill, Cabinets should be made of birch ply.Powder coated 14 gauge perforated steel, with acoustically transparent black foam backing. Input Connector: NL8 Neutrik Make : JBL AM 7215/05</p>	1	No.		
2	<p>Supply of 1x15" Three Way Long Throw with 15" LF, 8" MF and a 1.5" exit compression driver having a 75 mm dual voice coil Full Range Speakers Impedance 8ohm Power Handling - LF : 600 Watts, MF/HF : 200 Watts Sensitivity 1w / 1m : 113 dB Max SPL: MF/HF 133 dB/ 139 dB (continuous/peak) Frequency response ±3 : 45 Hz - 18 KHz Dispersion : 60° x 40° rotatable horn The hardware should be 14 SWG anti kick steel Grill, Cabinets should be made of birch ply. Make : JBL AM 7315/64</p>	1	No.		
3	<p>Supply of high Power 2-Way Loudspeaker with 1 x 15" LF Driver & Rotatable Horn Power Rating : LF: 1000 W (4000 W peak), 2 hr750 W (3000 W peak), 100 hrs HF: 100 W (400 W peak), 2 hrs Frequency Range (-10 dB): 34 Hz - 20 kHz Frequency Response (±3 dB): 40 Hz - 18 kHz Maximum SPL: Bi-amp mode:LF: 128 dB-SPL cont avg (134 dB peak)HF: 135 dB-SPL cont avg (141 dB peak)Passive mode:124 dB- SPL cont avg (130 dB peak) Sensitivity (1W @ 1m): 96 dB SPL Nominal Impedance: 8 ohms Coverage Pattern: 120° x 60° , rotatable waveguide Finish birch plywood, Powder coated 14 gauge perforated steel, with acoustically transparent black foam backing. Make: JBL AM 7215/26</p>	1	No.		
4	Supply of Flying Locks for Speakers	6	Set		
5	Supply of Flying Frame for Speakers	6	No.		
6	<p>Supply of 1x8" Two Way Compact Passive Speaker with 2.5" voice coil Impedance: 8 Ohm Power Handling : 250 Watts Maximum Power Handling : 1000 Watts Sensitivity 2.83V / 1m: 92 dB Maximum SPL: 116 dB Frequency Response +/- 3dB: 63 Hz - 19 kHz Dispersion : 120°x 60° The hardware should be Powder coated 16 gauge perforated steel, acoustically transparent foam backing Make : JBL AC 18/26</p>	2	No.		
7	Supply of Clamps for Speakers	2	No.		

8	<p>Supply of 1x5" Two Way Passive Full Range Speaker with 4" PEI diaphragm tweeter with fluid cooling Impedance: 8 Ohm Power Handling : 200 Watts Maximum Power Handling : 400 Watts Sensitivity 2.83V / 1m: 90 dB Max SPL / 1m : 110 dB/ 116 dB (continuous/peak) Frequency Response +/- 3dB: 85 Hz - 17 kHz Dispersion : 100°x 100° High Impact Polystyrene (HIPS), painted with highly-UV resistant paint, Highly zinc-plated, finished in durable TGIC polyester powder coating Make : JBL Control 25-1</p>	2	No.		
9	<p>Supply of 1x12" Two Way Passive Full Range Active Stage Monitor Speaker Impedance: 8 Ohm Power Handling : 1500 Watts Max SPL / 1m : 135 dB (peak) Frequency Response +/- 3dB: Main: 55.7 Hz – 20 kHz Monitor: 56.5 Hz – 20 kHz Birch Plywood, Obsidian, 16 gauge perforated steel with acoustical transparent black cloth backing. Make : JBL PRX 812 W</p>	1	No.		
10	<p>Supply 2x18" High Power Subwoofer with 4" voice coil, Power Rating : 1600 Watts Cont., 6400 W Peak, Nominal Impedance: 8 ohm, Frequency Response : 35Hz-1 kHz, Frequency Range: 28 Hz -1 kHz, Maximum SPL : 136 db Continuous, 142 db Peak, Sensitivity: 102 dB Powder coated 14 gauge perforated steel, with acoustically transparent black foam backing. Make : JBL ASB 6128</p>	1	No.		
11	<p>Supply of hanging Frame with Extension for Subwoofer</p>	1	No.		
12	<p>Supply of 5" Two-Way Powered Studio Monitor, Frequency Range: 43 Hz-24 kHz, Max Peak SPL: 108 dB, Max Peak Input: +23 dBu, AC Input Voltage: 100-240 VAC +/- 10% 50/60 Hz, Make: JBL LSR 305</p>	1	No.		
13	<p>Supply of 4 Channel Power Amplifier with Blu Link Output Power: 4 x 1200 watts @ 4/8 Ohms Bridge Mono :1200 watt @ 4 Ohm, 2400 watts @ 8 Ohm Frequency Response: 20hz - 20khz THD: 0.35%, Damping Factor: >1000 Crosstalk: >80db, Sensitivity: 0.7V RMS Cooling system: Fan Input connectors: 4 x Neutrik XLR Output connectors: 4 x Neutrik Speakon. Power Supply: Universal, 30 - 240 vols AC Protection: Soft start, power on muting, short circuit, thermal, DC voltage. Make : Crown CDI 4/1200 BL</p>	1	No		
14	<p>Supply of Analog Power Amplifier with Blu Link Output Power: 4 x 600 watts @ 4/8 Ohm Bridge Mono: 600 Watts @ 4 Ohm, 1200 watts @ 8 Ohm Frequency Response: ±0.25dB THD: 0.35%, Damping Factor: > 1000 Protection: Soft start, power on muting, short circuit, thermal, DC voltage. Input connectors: Neutrik XLR Output connectors: Neutrik Speakon. Cooling system: Fan, Power Supply: 15A IEC connector, 100 – 240V Make : Crown CDI 4/600 BL</p>	1	No.		

15	<p>Supply of Two Channel Power Amplifier, Power Output: 2x2100 Watt @ 4/8 Ohm, Bridge Mono: 6000 Watt @ 4 Ohm, 4200 Watt @ 8 Ohm, Frequency Response: 20Hz to 20kHz Signal to Noise Ratio: 103dB, Damping Factor: >500, Crosstalk: >70dB Make: Crown DSI 4000</p>	2	No.		
17	<p>Supply of Two-channel Power Amplifier, Output: 2x500 watt @ 4 ohm, Bridge Mono: 1550 watt @ 4 ohm, 1000 watt @ 8 ohm, Total Harmonic Distortion: <0.5%, Signal-to-Noise Ratio: >103dB, Damping Factor: >200, Sensitivity: 1.4V Make : Crown XLC 2500</p>	1	No.		
19	<p>Supply of 32 Channel Digital Mixing Console 32 Mic Inputs 8 XLR/1/4" Combi-jacks for line inputs and instruments, 40 DSP input channels (32 mono inputs and 4 stereo channels/returns), 31 Output busses (All with full DSP processing and GEQ) 4-band Fully Parametric EQ on each channel and bus 8 VCAs + 8 Mute groups 26 motorised faders (24 input + LR/Mono) 4 fully customisable Fader Layers Built-in Stagebox Connectivity 5" touchscreen display, Multi-Colour LCD Channel Displays on each input fader, 4 studio-grade Lexicon Effects engines and dedicated FX busses, BSS Graphic Equalisers on every bus 20 sub-group / aux busses 4 mono/stereo matrix busses, 32x32 USB audio interface for multi-track recording and playback Make : Soundcraft SI Expression</p>	1	No.		
20	<p>Supply of Wireless Handheld Microphone System, Wireless Microphone system with MHZ carrier frequency band , Up to 16 pre-programmed frequencies within the same frequency band , Audio bandwidth 35 - 20,000 Hz ,THD at 1 kHz: <0.3% (Receiver) , Signal-to-noise: 120 dB(A) (Receiver), Wideband FM Modulation ,Up to 48 Simultaneous channels , Upto 14 hours operation with one single AA battery or better, Pilot Tone transmission to know the transmitter battery status, Receiver should have microphone level and line level output , Transmitter should have display to show the battery and LED to show the Muted /Unmuted status, Sensitivity 6.3 dB V / -100 dBm, Should have Microprocessor-controlled diversity, T.H.D. 0.7 % (Transmitter), Infrared programmable ,RF output power: 10 or 50 mW. Make - AKG WMS 470</p>	2	No.		
21	<p>Supply of Wireless Lavalier Microphone System, Wireless Microphone system with MHZ carrier frequency band , Up to 16 pre-programmed frequencies within the same frequency band ,Audio bandwidth 35 - 20,000 Hz ,THD at 1 kHz: <0.3% (Receiver) ,Signal-to-noise: 120 dB(A) (Receiver) ,Wideband FM Modulation ,Up to 48 Simultaneous channels ,Upto 14 hours operation with one single AA battery or better, Pilot Tone transmission to know the transmitter battery status ,Receiver should have microphone level and line level output ,Transmitter should have display to show the battery and LED to show the Muted /Unmuted status ,Sensitivity 6.3 dB V / -100 dBm ,Should have Microprocessor-controlled diversity ,T.H.D. 0.7 % (Transmitter) ,Infrared programmable, RF output power: 10 or 50 mW Make - AKG WMS 470</p>	2	No.		
24	<p>Supply of Podium Cardioid Condenser Microphone with Desktop Base Element type: electret condenser Polar pattern: cardioid Frequency response: 50 Hz to 20 kHz Signal-to-Noise Ratio:73 dB (A-weighted) Maximum Input Sound Level: 125 dB (1% THD) Dynamic range: 93 dB Signal to noise ratio : 73 dB Output Impedance : < 600 Ohms Rated Load Impedance : > 2 kOhms Make.: AKG CK 31+GN50+H600</p>	1	No.		

25	Supply of Professional Studio Headphone Headphone type: closed-back Sensitivity: 104 dB SPL/V Impedance: 55 Ohms input power: 200 mW frequency bandwidth: 16 – 28000 Hz Plug type: Stereo 3.5 mm (1/8") with 6.3 mm (1/4") screw-on adapter, 1x 3 m cable with stereo 3.5 mm (1/8") connector Make: AKG K271MK II	1	No		
26	Supply of Antenna Power Supply Splitter frequency range:470 to 952 MHz Cable length adjustment switch for optimizing antenna signal levels, Can cascade up to 3 additional APS4 units, Remote power for antennas and receivers. Make: AKG APS4 U	1	No		
27	Supply of Active omnidirectional wide-band UHF antenna Type: BNC Switching bandwidth: 470 to 952 MHz Antenna gain: 17 dBi Covering angle: 360 Grad Impedance: 50 Ohms Make: AKG RA 4000 B/EW	1	Nos		
28	Supply, Installation, Testing & Commissioning of Antenna cable Cable Type: RG 58 cable (50 Ohms) Cable Length: 50m Gold plated BNC connectors on both ends, Finish Black	1	Nos		
29	Supply of Microphone Stands Long Collapsible tripod boom stand, Die-cast light weight and steel construction Sleek black finish, Mic clip included Ultra-light for easy transport Make : Frameworks	1	No.		
30	Supply of Microphone Stands Short Perfect for miking kick drums and speaker cabinets, Heavy-duty adjustable boom mic stand Die- cast ,light weight and steel construction Mic clip included Make : Frameworks	1	No.		
32	Installation Testing & Commissioning of Audio & Processing Equipment	1	Job		
Total Cost of Audio & Processing					

B. STAGE LIGHTING EQUIPMENT: -

B	STAGE LIGHTING EQUIPMENT				
Sr. No.	Description	Qty	Unit	Price	Amount
1	<p>Supply of 18 x 10W LED Par Light RGBW, Beam Angle 25° complete with RGBW 10W Lamp source x 18 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 color effects Rigidly built pressure die casted Aluminum body. Make: Leksa Lighting</p>	12	No.		
2	<p>Supply of Par-64, 100W, 240volt shielded beam available in three version i.e. spot, flood and wide flood,(Osram/Philips) color, temperature 3200k Base - extended Modul end Prog, Housing CRC sheet metal matt black finish with sufficient ventilation, with 2 mtr ,3 core wire, plug, Clamps Make : OSRAM- KREIOS WP-WW</p>	10	No.		
3	<p>Supply of Moving Head Beam Moving Head Beam: 330W Color temperature: 8,500K, Input Voltage: AC100 to AC240V; 50/60Hz. Power Consumption: 280W , 4-button LED digital display, can be turned 180°&record the using time, Lifespan of lamp: 2,000Hrs, Control Protocol : DMX 512, automatic and master/slave mode, Channel: 16 / 20 CHs, Dimming : 0-100% linear adjustment, Strobe: heat-proof plastic module pressing alloy materials, Focus: Electronic, Prism: Rotating 8-facet prism Make : BMS</p>	6	No.		
4	<p>Supply of Halogen Plano Convex PC Spot 1000W Halogen Plano convex PC spot complete with 1000 W Halogen Bipin T-11 lamp, spherical anodized reflector, imported socket, 150mm dia Plano convex lens, bottom sliding knob, yoke, color frame & suitable clamp Make : PLS</p>	5	No.		
5	<p>Supply of Fresnel the lighting unit must contain a 1000W halogen lamp, consisting of Bipin T-11 lamp, - with a 150mm dia Fresnel lens, high temperature socket, bottom sliding knob, Yoke, color frame & suitable clamps. Make : CSE</p>	6	No.		
6	<p>Supply of Baby profile 1000W Profile Light with GKV 1000W Halogen Lamp 6 Models with range 190, 260, Multifaceted Diachronic Coated Reflector, 4 Beam shaper blades, manually adjustable focus. Make : CSE</p>		No.		
7	<p>Supply of LED Follow Spot High Bright Defined Edge Light – Daylight CCT Total Power Consumption – 300W Zoom Beam Angle 1° ~ 9° Linear Dimming 0 ~ 100% through Fader control panel Linear Irish - Direct Access Fader Control Manual Focus arrangement Available Color temperatures 7500K, 6500K, 4500K, 3200K, 5 Colours Open Data DmX through 3 / 5 Pin XLR's Make : PLS</p>		No.		

8	<p>Supply of Mini Pearl Lighting Controller - Frequency 50/60 Hz Mating number of Fixtures 96 The Number of Scenes That Can be Saved 60 The Number of Scenes That Can Run Simultaneously 10 The Total Number of Steps in a Multi-Step Scenario 600 Scene Time Control Fade In, Fade Out LTP Sliding Graphics Can be Stored for Each Scene 5 Fader Scenes/Dimming Size 485 x 420 x 105 cm Product Description Leveraging the skills of our qualified team of professionals, we are instrumental in offering a wide range of Mini Pearl 1024 Lighting Controller. Make: PLS</p>	1	No.			
9	<p>Supply of 230 Watts LED Cyclorama Wall Washer, IP65, DMX512, Light source:18PCS 12W 4IN1 LEDs, Lens angle: 25°(30°, 45°, 60°optional), Channel mode:3 / 4 / 6 / 7 / 9DMX channel mode, 4. 0-100% linear dimmer, built-in program and strobe effect Make: PLS</p>	6	Nos			
10	<p>Supply of 12 Channel Digital Dimmer, DMX512/1990 standard., Magnetic ring with a high anti-jamming, excellent anti-jamming capability of audio/ video almost no interference. Switch insurance, with over-current automatic shutdown protection. When DMX512 signal is broken off, every channel's output can be hold. High precision zero-crossing sampling, the output consistency of channels is better. 9 dimming curves: Every channel is chosen independently. PreHEAT adjustable to every channel. It can store 9 scenes that can be preset, manual dimming independently without any console. Power-down data retention, boot soft start to prevent the boot transient output. Electrical automatically adapt the original frequency, range: 45 ~ 65Hz. LCD display with backlight. Power supply: Tri-phase or mono-phase operation: AC220V±10%, 45 ~ 65Hz. Make : DLMC</p>	2	No.			
11	<p>Supply of DMX Splitter 1 In 10 Out, Power Source 220V AC, Voltage 220V RDM compatible, 1 DMX inputs (opto - isolated) on the back, DMX Tester with Bicolor LED per input, 10 outputs on the front, outputs allocation by pairs on 5xA/B commutators, Make : PLS</p>	1	No.			
12	<p>Providing and Fixing of MS Stage Lighting Truss for FOH Lighting</p>	1	No.			
13	<p>Supply of S Clamp for Lighting Approved Make : Custom Made</p>	55	No,			
14	<p>Supply of Lighting Connecting Points Make: Custom Made</p>	30	No.			
15	<p>Installation Testing & Commissioning Charges of Stage Lighting Equipment</p>	1	Job			
		Total Cost of Stage Lighting				

C. HARDWARE: -

C LIST OF HARDWARE FOR AUDIO, VIDEO & STAGE LIGHTING EQUIPMENT					
Sr. No.	Description	Qty	Unit	Price	Amount
1	Supply of Speakon NL 4 Connectors Approved Make: Nutrik	4	Nos		
2	Supply of Speakon NL 8 Connectors Approved Make: Nutrik	6	Nos		
3	Supply of XLR Male Connectors Approved Make: Nutrik	35	Nos		
4	Supply of XLR Female Connectors Approved Make: Nutrik	16	Nos		
5	Supply of XLR female Base Connectors Approved Make: Nutrik	16	Nos		
6	Supply of Phono Connectors Approved Make: MX	9	Nos		
7	Supply of RJ 45 Connectors Approved Make: MX	8	Nos		
8	Supply of Projector Box with Extension Make : Custom Made	1	No.		
9	Supply of DMX signal Wire 2 core 23/0.2 ATC conductor PVC insulated, over all shielded with copper screening & PVC sheathing Approved Make :Krystal/ Gautham	350	Mtr		
10	Supply of Speaker cable Stranded 2 X 2.5 sq mm, PVC insulated and soft PVC sheathed copper low loss, low conductance. Approved Make :Krystal/ Gautham	420	Mtr		
11	Supply of Speaker cable stranded 2 X 4 sq mm, PVC insulated, soft PVC sheathed low loss copper conductor with low inductance cable Approved Make: Krystal/ Gautham	200	Mtr		
12	Supply of Snake cable 32 pair PVC insulated PVC sheathed copper conductor low loss, low inductance wire for microphone Approved Make: Krystal/ Gautham	50	Mtr		
13	Providing & Fixing of Cable Trays of size 4"x2"- 16 gauge sheet CRC, for wiring of stage lights & sound system and enrooted to control room.	150	Mtr		
14	Supply of Cat 6 Wire Approved Make : D link	140	Mtr		
15	Supply of HDMI Cable 3 Feet Approved Make : Kramer	5	Nos		
16	Supply of HDMI Cable 15 Feet Approved Make : Kramer	2	Nos		
17	Supply of Mic Recepticle Plates with Box Approved Make : Custom Made	5	Nos		
18	Supply of A/V Recepticle Plates with Box Approved Make : Custom Made	2	Nos		
19	Supply of Equipment Rack 24U, 23" Deep Floor Standing factory made Rack with Glass Front Door and Steel Back Door, The rack should be open able on all 4 sides with a 18 swg doors adequately stiffened and powder coated cabinet. ID Length : 19", ID Height : 48", OD Length : 24", OD Width : 24" Material : 18 gauge steel, Color : Gray, Hinges : Metal Wheels : Optional Casters, (2) locking Security Options : Key lock Approved Make : Comrack	1	No.		
20	Fabrication Work for Audio Video & Stage Lighting Equipment	1	Job		
				Total Cost of Hardware	

D. ACOSUTICAL TREATMENT:-

D	ACOUSTICAL TREATMENT				
Sr. No.	Description	Qty	Unit	Price	Amount
1	<p>Providing & Fixing of Acoustic Ceiling - Fiber Glass Acoustical Suspended Ceiling System -UPTRA WHITE (SQUARE / BUTT) EDGE TILES WITH Regular 24mm Grid. The tiles should have Humidity Resistance (RH) of 99%, high NRC 0.90 to 1.0, Light Reflectance > 84% with Fire Resistance Class A as per GB9624), Thermal Resistance ≥ 0.4 (m² k/w) in module size of 600X600X15mm. The grid should be with Main Runner 3000mm in web height of 38mm & 1200 mm & 600 mm Cross Tees in web height of 26mm with zinc coating of 120 gsm conforming to IS 277:92 with pre-painted galvanized iron of 30-40 microns color coating.</p>	3556	Sq. Ft.		
2	<p>Providing and fixing of Stage Ceiling - false ceiling at all heights with 20mm thick Wood wool acoustic tile of Fibrecrete having square edge of required pattern and size 1200x600 having density of 450kg/cum laid over the suspension grid and painting with two or more coats of flat paint on black shade of approved brand and manufacturer complete as per directions of the engineer in charge. Installation to compromise main runner spaced at 1200mm centers securely fixed to the structural soffit using. The suspension system at 1200 mm maximum centre. The first/Last suspension system at the end of each main runner should not be greater than 450mm from the adjacent wall. Flush fitting 1200mm long cross the tees to be interlocked between main runner at 600mm centre to form 1200x600mm module. Cut cross tees longer than 600mm require independent support. 600x600mm module to be formed by fitting 600mm long flush fitting cross tees centrally between 1200mm cross tees. Perimeter trim to be wall angles of size 3000x19x19mm,secured to walls at 450mm maximum centers.</p>	956	Sq Ft		
3	<p>Providing and fixing of Stage Wall Paneling - Stage Walls Treatment : Provide and Fixing of Fibril Wood Wool black panel 20mm thick of size 1200x600. The panel having density of 400 kg/cum, fixed over a framework of GI channels consisting of 50x50 mm GI stud wall channels & floor channels centers filled with 50 mm thick Rock Wool 96 kg density. To be finished with gripper system, black glazed cotton cloth.</p>	652	Sq Ft		
4	<p>Providing & Fixing acoustical hall wall paneling in Stretched Fabric system Providing & fixing Fab Stretch System on Magnesite Bonded Fibrecrete Acoustic Panel 20mm thick 1220 x 610mm Natural Standard ND40 Screw fixed @ 200mm on GI metal frame of 50 x 50mm making a grid of 610 x 610mm c/c. The frame is to be made in proper line after leveling. The panels will be backed with 50mm thick 48 kg density inserted inside the grid of 610 x 610mm. The panel should meet the stringent fire test required having Class 'P' rating for Ignitability test as per BS 476 part 5 and Class '1' rating as per BS 476 part 7 for Surface Spread of Flame test. Class 'P' and Class '1' are the highest rating. BS 476 part 6 Fire Propagation index, I = not greater than 4.11. Fab Stretch System: Screw Fixing 12mm ht. PVC Grippers [Full Wrap, Centre & Half Wrap]@ 200mm over 12mm ply strips of 50mm wide which will be pasted & screw fixed on Fibrecrete Acoustic Panels vertically/ horizontally in proper line and level as per design. Insert 50mm thick 48kg density Rockwool Fabric inside the grippers.</p>	1790	Sq Ft		

5	<p>Providing and fixing of Wall Paneling/ Wooden Slats - Wood Based panels with lineal perforations. The panels shall be with melamine laminate panels 2440mm x 128mm x15mm with 2mm grooved at 15 mm pitch, Tongue and Groove edges for seamless mounting having density of 800kd/m3. The back of the panels are perforated with 10mm diameter circular hole with a nonwoven fabric of 0.2mm for providing absorption of 0.7 NRC. Panel is to be fixed on strut keen 18 frame work. The cavity of framework should be with rock wool with 24kg and 25mm density and along with all accessories and direction of Engineer in charge. The paneling work shall be done in all respects as per detailed drawings. The paneling should be properly done in proper alignment and level as per satisfaction engineer in charge all complete for all height and level.</p>	1380	Sq Ft		
6	<p>Fabricating and fixing of Acoustic Doors - at site 75mm thick acoustic and sound reducing doors made with 2nd class Wooden Framework, infill in 24 kg/cum density resin bonded glass wool with 12mm commercial ply and 1mm thick laminate on both sides. Cost includes Sal wood Chowkhat (Section size: 5" x 3") fixing acoustical seals, stainless steel ball bearing hinges, door closers, door stoppers and steel handles.</p>	9	No.		
Total Cost of Acoustical Treatment					

E. HALL CARPET FLOORING: -

E HALL CARPET & VINYL FLOORING					
Sr. No.	Description	Qty	Unit	Price	Amount
1	Providing & Fixing of Hall Carpet Flooring - 20oz. Loop pile carpet with precision tufted loop piles as underlay of 6mm thick PU foam fixed to existing levelled floor with synthetic adhesives.	3240	Sq Ft		
Total Cost of Hall Carpet & Vinyl Flooring					

F. GYPSUM BOXING: -

F Gypsum Boxing/Ceiling for Air Conditioning Duct & COB Lighting					
Sr. No.	Description	Qty	Unit	Price	Amount
1	Providing & fixing Gypsum Boxing/Ceiling: Providing and fixing of Gypsum Board (12.5 mm thick) with suitable suspenders and GI channel frame and required hardware fixed to the false ceiling. As marked in the drawings, consisting of GI perimeter channels of size 0.55mm thick (having one flange of 20mm and another flange of 30mm and a web of 27mm) along with perimeter of ceiling, screw fixed to brick wall/ partition with the help of nylon sleeves and screws	740	Sq. Ft.		
Total Cost of Gypsum Boxing					

G. STAGE FURNISHING: -

G	STAGE FURNISHING				
Sr. No.	Description	Qty	Unit	Price	Amount
1	Providing & Fixing of Main Curtain made out of Velvet Curtain Cloth with Horizontal Sliding Arrangement with Motorized Operation with extruded Aluminum Track (I - Section with center web of approximate size 60x80mm) centre parting with overlap and mounting arrangement to fix on existing grid. The system shall be complete with Electro - Mechanical drive with 1 HP single phase AC Motor (Crompton), Compact Gear Box, Belt driven grooved cable drum suitable for 3mm Dia. Wire Rope, Master Slave Curtain Trollies, diverting pulley, Low Voltage Magnetic Control System for operation of Curtain Mechanism, Limit Switched, Air Break Contractors (L&T / Siemens) complete with low voltage magnetic control push station for operation from more than one location. The Curtain should be draped to half area when in closed position and should be stitched in double gathering.	1	No.		
2	Providing & Fixing of Middle & Rear Curtain made out of Velvet Curtain Cloth with Horizontal Sliding Arrangement with Motorized Operation with extruded Aluminum Track (I - Section with center web of approximate size 60x80mm) centre parting with overlap and mounting arrangement to fix on existing grid. The system shall be complete with Electro - Mechanical drive with 1 HP single phase AC Motor (Crompton), Compact Gear Box, Belt driven grooved cable drum suitable for 3mm Dia. Wire Rope, Master Slave Curtain Trollies, diverting pulley, Low Voltage Magnetic Control System for operation of Curtain Mechanism, Limit Switched, Air Break Contractors (L&T / Siemens) complete with low voltage magnetic control push station for operation from more than one location. The Curtain should be draped to half area when in closed position and should be stitched in double gathering.	2	No.		
3	Providing & Fixing of Lighting Bar - Supplying & fixing of light bars under the space frame for hanging stage lights with a 48mm dia G.I pipe location of Light bar should be as per drawing. All hardware should be included. To be finished with Black enamel Paint or as per direction of Engineer-in-charge.	75	Mtr		
4	Providing and fixing of Side Wings - cloth wings made out of black glazed cotton cloth fixed on 6mm thick commercial plywood fixed on one side of MS 50x25x16 G pipe welded frame work. The pipe framework shall be made out of 25x50mm pipe fixed at 900 mm c/c with overhead pivot track complete with duly painted framework or direction as per engineer-in-charge.	8	No.		
5	Providing and fixing of Main Frill - made out of Velvet cloth of size stitched in double gathering, fixed type, made of 30 mm OD dia GI pipe duly supported from Ceiling Grid, structure, as required. Frill to be , stitched with pleats. The pleats need to be in the same shape as the front curtain or direction as per Engineer-in-charge, All hardware to be included.	1	No.		
6	Providing and fixing of Intermediate Frill - made out of Velvet cloth of size stitched in double gathering, fixed type, made of 30 mm OD dia GI pipe duly supported from Ceiling Grid, structure, as required. Frill to be , stitched with pleats. The pleats need to be in the same shape as the front curtain or direction as per Engineer-in-charge, All hardware to be included.	3	No.		
7	Providing & Fixing of Stage Flooring -12mm thick laminated wooden flooring of AC 4 grade, to be fixed over leveled stage flooring with a backing of 2mm thick PU foam layer.	438	Sq Ft		
9	Providing & Fixing of Side ladder in between wings made from 2"x1" size, above the stage floor level for fixing of side lights to lid the face of the artist, suitable for fixing 3 lights.	4	No.		
10	Providing & Fixing Hall Skirting with 4" height and 12 mm thick laminate as per the design.	220	Sq.f t		
11	Providing & fixing Profile for Flooring	30	No.		
Total Cost of Stage Furnishing					

H. FIRE FIGHTING SYSTEM:

H	Fire Fighting				
Sr. No.	Description	Qty	Unit	Price	Amount
1	INTERNAL HYDRANT SYSTEM				
1.1	Supply of Hydrant Valve 63 mm dia with all accessories complete as per IS:5290, ISI Mark Make Kartar / Safepro / Safeguard / Mitras	1	Nos		
1.2	Supply of RRL Hose 63mm dia 15 Mtr. Long ISI Mark IS:636 Type-A with SS M/F Coupling , ISI Mark IS:903 with binding on both sides Make Kartar / Safepro / Safeguard / Mitras	1	Nos		
1.3	Supply of SS Branch pipe 63 mm dia with 20 mm dia nozzle with 63 mm coupling as per IS:903, ISI mark Make Kartar / Safeguard / Safepro / Mitras	1	Nos		
1.4	Supply of M.S. Fire Hose Cabinet (F.H.C.) door Double Door for housing of Hydrant, Hose Reel hose pipe & branch pipe. Box would be painted with primer & red paint with locking arrangement	1	Nos		
1.5	Supply of Hose Reel Set with Hose Reel Drum, 20 mm Thermoplastic hose of 30 mtr length Complete including accessories ISI Mark as per IS:884 Make Kartar / Safeguard / Safepro / Mitras	1	Nos		
1.6	Supply of 150 mm Butterfly Valve B 190 Class CI Body with SS Disc & stem (PN 1.6) with rubber insertions & accessories Make LP / Kartar	3	No.		
1.7	Supply of 100 mm Butterfly Valve B 190 Class CI Body with SS Disc & stem (PN 1.6) with rubber insertions & accessories Make LP / Kartar	3	Nos		
1.8	Supply of 80 mm Butterfly Valve B 190 Class CI Body with SS Disc & stem (PN 1.6) with rubber insertions & accessories Make LP / Kartar	4	Nos		
1.9	Supply of 65 mm Butterfly Valve B 190 Class CI Body with SS Disc & stem (PN 1.6) with rubber insertions & accessories Make LP / Kartar	2	Nos		
1.10	Supply of 50 mm Butterfly Valve B 190 Class CI Body with SS Disc & stem (PN 1.6) with rubber insertions & accessories Make LP / Kartar	4	Nos		
2	PIPES AND ACCESSORIES				
2.1	Supply of 150 mm Black Mild Steel Pipe class 'C' conforming to IS:1239 including accessories like welded joints, flanges, tees, reducers etc. Make : Jindal Hissar	21	Mtr.		
2.2	Supply of 100 mm Black Mild Steel Pipe class 'C' conforming to IS:1239 including accessories like welded joints, flanges, tees, reducers etc. Make : Jindal Hissar	32	Mtr.		
2.5	Supply of 50 mm Black Mild Steel Pipe class 'C' conforming to IS:1239 including accessories like welded joints, flanges, tees, reducers etc. Make : Jindal Hissar	84	Mtr.		
2.9	Supply of MS Angle (Steel Support) for Hydrant Pipe with fasteners & fittings etc	480	Ft.		
3.0	Supply of wrapping 100 mm anti corrosive material for buried pipes with coating of Primer and wrapping with polymer corrosion resistant tape as per IS : 10221 with 15 mm overlap as per specifications	Actual	Mtr.		
3	SPRINKLER SYSTEM				

3.1	Supply of Pendant / Upright type Sprinkler with accessories UL Listed make HD / Tyco	40	No.		
3.2	Supply of 1000 mm Stainless Steel flexible dropper pipes UL listed	35	No.		
4	FIRE EXTINGUISHERS				
4.1	Supply of 4.5 Kg CO2 Cylinders ABC Powder Type (Stored Pressure) Fire Extinguisher 4.5 Kg. Capacity ISI Mark IS:15683 Complete in all respect	2	No.		
4.2	Supply of 6.0 Kg ABC Cylinders ABC Powder Type (Stored Pressure) Fire Extinguisher 4 Kg. Capacity ISI Mark IS:15683 Complete in all respect	6	No.		
5	FIRE ALARM SYSTEM				
5.1	Supply of Fire Panel Addressable Single loop Fire Alarm Control Panel, one loop card inbuild,198 addressable points (99 detectors+99 devices), 6*40 character blue crystal display with backlight illumination, 2 Sounder circuits Make : Morley Honeywell	1	No.		
5.2	Supply of Smoke Detector Addressable Optical Smoke Detector Make : Morley Honeywell	8	No.		
6	ACCESSORIES				
6.1	Supply of Addressable Manual Call Point Make : Morley Honeywell	2	No.		
6.2	Supply of Addressable Wall Mounting Siren / Hooter Make : Morley Honeywell	2	No.		
6.3	Supply of Battery 12V, 7 Ah for Power backup	1	No.		
6.4	Supply of Addressable Analogue Beam Sensor Make : Morley / System Sensor Honeywell	2	No.		
7	CABLING & CONDUITS				
7.1	Supply of 2 Core Flexible Cable 1.5 Sq mm with accessories Make Havells / Finolex / Polycab	1	Lot		
7.2	Supply of 6 Core Flexible Cable 14/38 Make Deepcab				
7.3	Supply of PVC Conduit Pipe 1" with accessories ISI mark				
7.4	Installation Testing & Commissioning of Fire Fighting System	1	Job		
Total Cost of Fire Fighting System					