

Price Bid & Schedule of work.						
Name of work : Upgradation & Renovation of Sound System in the MLS hall at Main Building of IACS, Jadavpur.						
Item No.	Description.	Qty.	Unit.	Rate. (Rs.)	Amount (Rs.)	Remarks (if any)
	A) Speakers & Amplifier					
1	Supply & Delivery of 2 way Speaker for Front fills with the following technical specifications: 2 x 6" woofer & 1 x 1" tweeter, Continuous power 80 watt, Frequency range 55 Hz-20 kHz (-10 dB), Frequency response 80 Hz-20 kHz (-3 dB), SPL @ 107 dB, Nominal Impedance 8 Ohm. Model No. (SOW5160) Approved Make : Sonodyne/Meyer Sound/DB Audio	4	Pcs.			
2	Supply & Delivery of Control room monitor with the following technical specifications: Highly braced MDF enclosure, Class AB: Bi-amplifier, 1 x 5.25" injected PP cone woofer with 1" tweeter, High, Low Shelving EQs, THD @ < 0.04%, SPL @ 104 dB, Frequency response @ 75 Hz -20 kHz & Frequency range @ 65 Hz -22 kHz, 2.5 kHz Crossover frequency & CMRR > 65 dB, Rear controls Power, Volume, EQs, Power On / Off indicator. Model No. (PM50) Approved Make : Sonodyne/Genelec/Neumann	1	Pc.			
3	Supply & Delivery of Professional Dual Channel Amplifier for Front fills & Rear Reinforcement speakers, with the following technical specifications: 2 x 300 watt Both channel driven at 4 Ohm continuous, Class AB, Frequency Response 10 Hz ~ 35.5 kHz (@ 1 kHz), Signal to Noise ratio > 100 dB (A-weighted), THD < 1% (at rated power), Balanced XLR input and thru output, Fan cooled. Model No. (SPX - 602) Approved Make: Australian Monitor/Meyer Sound/DB Audio	2	Pcs.			
4	Supply & Delivery of Professional Dual Channel Amplifier for FOH Line Array speaker, with the following technical specifications: 2 x 1100 watt Both channel driven at 4 Ohm continuous, Class H, Frequency Response 25 Hz ~ 30 kHz (@ 1 kHz), Signal to Noise ratio > 100 dB (A-weighted), THD < 1% (at rated power), High or Low pass filter per channel, Balanced XLR input and thru output, Limiter present, Fan cooled. Model No. (AMH 3600) Approved Make: Australian Monitor/Meyer Sound/DB Audio	2	Pcs.			
	B) Mixer, Microphones & other Electronic equipments					
5	Supply & Delivery Professional Analog Mixer with the following technical specifications: 24 Line Inputs (16 mono and 4 stereo), 16 Mic Inputs with 48V Phantom Power and HPF per Channel, 6 AUX Sends + 2 FX Sends, 4 GROUP Buses + ST Bus, 2 Matrix out, 1 Mono out, On board processors having FX1: REV-X (8 Program, Parameter control)/FX2: SPX (16 Program, Parameter control), Digital I/O for USB Device, iPod / iPhone, THD @ 0.02% (20Hz-20kHz @ +14dBu), Frequency Response +0.5/-1.0dB 20Hz - 20kHz, refer to the nominal output level @ 1kHz, -128 dBu Equivalent Input Noise & -94 dBu Residual Output Noise, Crosstalk @ -74dB @ 1kHz, Power Consumption of 86W max & 100-240V 50Hz/60Hz Power requirement. Model No. (MGP24X) Approved Make: Allen & Heath/Yamaha/Solid State Logic	1	Pc.			

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6	Supply & Delivery Digital Reverberator with the following technical specifications : 99 Editable Preset program memories,Stereo inputs and outputs,16-bit A/C and D/A converters,44.1 kHz sampling frequency rate,Frequency Response 20 Hz-20 kHz ,Dynamic range 80dB,THD @ <0.1% (1kHz, @ max. level),7-segment LED x 2 (program number),PEAK, L, R, DECAY, LEVEL (editing reference),DC12V IN Power supply,1U" rack mount. Model No. (REV-100) Approved Make: Yamaha/Lexicon/Alesis	1	Pc			
7	Supply & Delivery of Lapel microphone with the following specifications: Frequency ranges A: 548-572 MHz,GB: 606-630 MHz,B: 614-638 MHz,C: 766-790 MHz,....Switching bandwidth max 24 MHz,Frequencies adjustable in 25-kHz steps,8 frequency banks,each with up to 12 factory-preset channels,Signal-to-noise ratio ≥ 103 dBA,THD $\leq 0.9\%$, Receiver : Receiver principle double superheterodyne,Diversity principle True Diversity,Sensitivity (at peak deviation) $< 3 \mu\text{V}$ at 52 dB(A)rms S/N,AF frequency response 50 to 16,000 Hz (-3 dB),Max. AF output voltage (at peak deviation, 1 kHz AF),1/4" (6.3 mm) jack socket (unbalanced): +6 dBu,XLR socket (balanced): +12 dBu,Audio adjustment range 40 dB, adjustable via jog dial,Power supply 12 V = nom. / 300 mA,Squelch adjustable from 3 dBμV to 28 dBμV (combined with pilot tone),Line/Mic level 20 dB, switchable Transmitter: RF output power 10 mW,AF frequency response 50-16,000 Hz (Line),80 to 16,000 Hz,Audio input 3.5 mm jack socket,Max. input voltage (Mic/Line) at 3% THD typ. 1.5 VRMS Mic/,typ. 2.6 VRMS Line @ -30 dB Gain,Transducer principle condenser, pre-polarized, Sensitivity 20 mV/Pa,Pick-up pattern omni-directional,Max. SPL 130 dB. Model No. (XSW 2-ME2A) Approved Make: Sennheiser/BeyerDynamic/AudioTecnica	1	Pc.			
8	Supply & Delivery of Headset microphone with the following specifications: Frequency ranges A: 548-572 MHz,GB: 606-630 MHz,B: 614-638 MHz,C: 766-790 MHz,....Switching bandwidth max 24 MHz,Frequencies adjustable in 25-kHz steps,8 frequency banks,each with up to 12 factory-preset channels,Signal-to-noise ratio ≥ 103 dBA,THD $\leq 0.9\%$, Receiver : Receiver principle double superheterodyne,Diversity principle True Diversity,Sensitivity (at peak deviation) $< 3 \mu\text{V}$ at 52 dB(A)rms S/N,AF frequency response 50 to 16,000 Hz (-3 dB),Max. AF output voltage (at peak deviation, 1 kHz AF),1/4" (6.3 mm) jack socket (unbalanced): +6 dBu,XLR socket (balanced): +12 dBu,Audio adjustment range 40 dB, adjustable via jog dial,Power supply 12 V = nom. / 300 mA,Squelch adjustable from 3 dBμV to 28 dBμV (combined with pilot tone),Line/Mic level 20 dB, switchable Transmitter: RF output power 10 mW,AF frequency response 50-16,000 Hz (Line),80 to 16,000 Hz,Audio input 3.5 mm jack socket,Max. input voltage (Mic/Line) at 3% THD typ. 1.5 VRMS Mic/,typ. 2.6 VRMS Line @ -30 dB Gain,Transducer principle condenser, pre-polarized, Sensitivity 1.6 mV/Pa,Pick-up pattern cardioid,Max. SPL 150 dB. Model No. (XSW 2-ME3A) Approved Make: Sennheiser/BeyerDynamic/AudioTecnica	1	Pc			

Item No.	Description.	Qty.	Unit.	Rate. (Rs.)	Amount (Rs.)	Remarks (if any)
	C) Speaker & Microphone Cable					
9	Supply & Delivery of Twin parallel 2.5 sq mm Speaker cable for Model No. (Speaker Cable) Approed Make: Finolex/Havells/Asian	700	Mtrs.			
10	Supply & Delivery of 2 core shielded Microphone cable Model No. (Mic. Cable) Approed Make: Finolex/Havells/Asian	1200	Mtrs.			
11	Supply & Delivery of Interconnects Model No. (Interconnects) Approved Make: Neutrik/MX/Amphenol	1	Lot.			
12	Supply & Laying of Microphone/Audio Signal Cable for connecting the main system in auditorium to the audio system in the 3rd floor room, laying of this specific cable is under	300	Mtrs.			
	D) Laying of cables					
13	Laying of Speaker & Microphone cables with conduits	1900	Mtrs.			
	E) Installation					
14	Installation & Commissioning Charges	LS	Unit.			
15	Engineering & Labour Charges for one time complete Repairing & Servicing of existing old audio system products for item as given below.					
	a) COMPACT LINE ARRAY SPEAKER - make: SONODYNE, Model No. CLA72	8	Nos.			
	b) DIGITAL LOUDSPEAKER MANAGEMENT SYSTEM, make: DBX, model No. DRIVERACK260	1	No.			
	C) WALL SPEAKER, make: SONODYNE, model No. AUDIENCE M15	4	nos.			
	d) MONITOR SPEAKER, make: SONODYNE, model No. SM 58AK	2	Nos.			
				TOTAL		
Total: (Rupees						
Terms & Conditions:						
Taxes: All materials inclusive of GST						
Work Completion Time: 45 days.						
Payment Terms: (a) 90% payment against submission of Bill/Tax Invoice on successful completion of work and measurement book duly filled in. And (b) 10% Security Deposit will be retained for one year from the date of payment of Bill/Tax Invoice or 100% payment may be released against submission of PBG of 10% of Work Order amount for 1 (one) year and 2 (two) months more from the date of Contractual Agreement,						
Warranty	a) New products - -----Year from the date of Installation & Commissioning (Mention)					
	b) Repair products - -----period from the date of Installation & Commissioning (Mention)					
Non-Warranty Items: Cables, conduits & connectors:						
Note: The quoted rate shall be inclusive of all taxes & duties, levies, cess etc. including GST. Nothing extra will be paid to the Contractor except the accepted rate. i,ii,iii mentioned below are mandetory.						
(i)	SAC No.:					
(ii)	GST No:					
(iii)	Enclose GST Registration Certificate					
(iv)	CGST @ -----Rs.					
	SGST @ ----- Rs.					

Signature of the Bidder with Stamp & Date: