

CALL FOR QUOTATION

Date: 24.01.2025

Vivekanand Education Society's College of Arts, Science and Commerce (Autonomous) invites qualified vendors / suppliers to submit quotations for the supply material / service as mentioned below under the PM-USHA Scheme.

Name of work: Supply, Installation, Commissioning and Testing of Sound System for Auditorium with a defect liability period of 3 years

Sr. No.	Items with detailed specifications / Services	Quantity
1	<p>Two-Way Passive Speaker</p> <ul style="list-style-type: none"> ● 600-watt RMS power ● Size: 12 inch ● Frequency Range (-10 dB)¹: 50 Hz - 20 kHz ● Frequency Response (±3 dB)¹: 62 Hz - 19 kHz ● Coverage Pattern: 90° x 50° nominal ● Crossover Mode: Passive ● Crossover Frequency: 2.0 kHz ● Power Rating²: 300 W/ 600 W/ 1200 W, 2 hrs (Continuous/Program/Peak) ● Maximum SPL³: 120 dB SPL continuous (126 dB SPL peak) ● System Sensitivity (1w @ 1m): 95 dB SPL ● LF Driver: 1 x JBL MB112-8 305 mm (12 in) woofer ● HF Driver: 1 x JBL 2414H-C 25 mm (1 in) polymer diaphragm, compression driver ● Nominal Impedance: 8 ohms ● Enclosure: Asymmetrical stage monitor, 18 mm, birch/poplar plywood. ● Suspension / Mounting: Dual angle, 0° or -10° 35 mm pole socket, Twelve M10 Suspension Points ● Transport: Glass-filled handle with rubber grip Finish: Black DuraFlex™ finish ● Grille: Powder coated, black, 16-gauge perforated steel with acoustically transparent black screen backing. 	06

	<ul style="list-style-type: none"> ● Input Connectors: Parallel Neutrik® Speakon® NL-2 / ¼" phone combo jacks ● Hardwood construction, ● Duraflex coating ● Sonic Guard HF-driver protection 	
2	<p>Powered subwoofer</p> <ul style="list-style-type: none"> ● WOOFER SIZE: 15" ● MAX SPL: 128 dB ● FREQUENCY RESPONSE (-3 dB): 45 Hz – 103 Hz ● FREQUENCY RESPONSE (-10 dB): 35 Hz – 147 Hz ● POWER RATING: 1,300 watts peak 600 watts burst, 400 watts continuous ● INPUT IMPEDANCE: 100k ohm, balanced ● CROSSOVER FREQUENCIES: Selectable 80, 100, 120 Hz ● POLARITY: Normal, inverted (switch on back panel) ● INPUTS: 2 XLR Combo ● OUTPUTS: 2 XLR (pass through) ● CABINET: 15 mm MDF, 18 mm front plate ● MOUNTING: M20 x 2.5P Pole Cup 	02
3	<p>Power Amplifier</p> <ul style="list-style-type: none"> ● Two-channel, 800W @ 4Ω Power Amplifier, HiQnet Band Manager, Peak Plus limiters, system filters tuning ● Sensitivity:1.4V ● Rated Power Output (per channel):1000W 2Ω, 800W 4Ω, 475W 8Ω ● Signal to Noise Ratio (below rated 1 kHz power at 8 ohms):100 dB (A-weighted) ● THD:< 0.5% ● Frequency Response (at 1W, 20 Hz - 20 kHz): + 0 dB, -1 dB ● Crosstalk (below rated power) 20 Hz to 1 kHz:>70 dB ● IEC Power Connector:15A 	02

5	Mixing Console		01
INPUT CHANNELS	LINE INPUT	16 (8 MONO + 4 STEREO)	
	MIC INPUT	10	
	MONO INPUT (MIC/LINE)	8 (CH1-8)	
	MONO/STEREO INPUT (MIC/LINE)	2 (CH9-12)	
	STEREO INPUT (LINE)	2	
OUTPUT CHANNELS	STEREO OUT	2	
	MONITOR OUT	1	
	AUX SEND	4	
	GROUP OUT	4	
	PHONES OUT	1	
BUS	STEREO	1	
	GROUP	4	
	AUX	4 (incl.FX)	
USB AUDIO - USB IN/OUT		Yes (2 IN / 2 OUT, USB Audio Class 2.0 compliant, Sampling Frequency: Max 192kHz, Bit Depth: 24-bit)	
PHANTOM POWER		+48V	
POWER REQUIREMENTS		100-240V 50Hz/60Hz	
POWER SUPPLY TYPE		Internal Universal Power Supply	
POWER CONSUMPTION		30W	
INCLUDED ACCESSORIES		AC Power Code, Rack-mount kit, Owner's manual, Technical Specifications, Cubase AI Download Information	
SOFTWARE APPLICATION	Steinberg CUBASE AI	Yes (Download access code included. Download on the Steinberg web site)	
	Steinberg CUBASIS LE	Yes (Download on the App Store) (Apple iPad Camera Connection Kit/Lightening to USB Camera Adapter required)	
	MG REC/PLAY (WAV)	Yes (Download on the App Store) (Apple iPhone/iPad Camera Connection Kit/Lightening to USB Camera Adapter required)	
OPTIONAL ACCESSORIES		FC5 Foot Switch	
OPERATING TEMPERATURE		0 to 40°C	
D-PRE MIC PREAMP	Yes		
1-KNOB COMP	Yes		
SPX DIGITAL EFFECTS	Yes (24 programs. REV HALL1 / REV HALL 2 / REV ROOM 1 / REV ROOM 2 / REV STAGE 1 / REV STAGE 2 / REV PLATE / DRUM AMB / EARLY REF / GATE REV / SINGLE DLY / DELAY / VOCAL ECHO / KARAOKE / PHASER / FLANGER / CHORUS 1 / CHORUS 2 / SYMPHONIC / TREMOLO / AUTO WAH / RADIO VOICE / DISTORTION / PITCH CHANGE)		

	TOTAL HARMONIC DISTORTION Gain knob: Min +24dBu (1kHz) Gain knob: Min	0.03% 0.005%	
	FREQUENCY RESPONSE	+0.5/-1.5dB (20Hz - 48kHz), refer to the nominal output level @1kHz, GAIN knob: Min	
HUM & NOISE LEVEL	Equivalent input noise	-128 dBu (20Hz–20 kHz, Rs: 150Ω, Gain knob: Max)	
	Residual output noise	-102 dBu (STEREO OUT, STEREO master fader: Min)	
	CROSSTALK @ 1kHz	-78dB	
INPUT CHANNEL FUNCTION	PAD	26dB	
	HPH	80Hz, 12dB/oct (Mono/Stereo: MIC only)	
	COMP	1 knob compressor (Gain/Threshold/Ratio) Threshold: +22dBu to -8dBu, Ratio: 1:1 to 4:1 Output level: 0dB to 7dB Attack time: approx. 25msec Release time: approx. 300msec	
INPUT CHANNEL EQ	High	±15dB (10kHz shelving)	
	Mid	±15dB (Mono 250Hz-5kHz peaking, Stereo 2.5kHz peaking)	
	Low	±15dB (100Hz shelving)	
	LED LEVEL METER Pre Monitor Level	2 x 12 points LED meter (PEAK, +10, +6, +3, 0, -3, -6, -10, -15, -20, -25, -30dB)	
	PEAK LED	LED turns on when post EQ signal reaches 3dB below clipping level	
6	Duet UHF Wireless Microphone System		05
	Receiver	Dual Channel Non-Diversity	
	Frequency Response	40Hz-16kHz	
	Polar Pattern (Microphones)	Cardioid	
	Output	¼" Jack	
	Power Req.	Hand & Lapel (Mic)	2 x 1.5V AA
		Receiver	240V AC / 50Hz Adaptor (supplied)
7	Unidirectional gooseneck microphone		01
	<ul style="list-style-type: none"> ● Frequency response:50 Hz - 20 kHz ● Transducer principle: Pre-polarised condenser microphone ● Pick-up pattern: Cardioid ● Equivalent noise level:26 dB (A) ● Maximum sound pressure level:130 dB SPL ● Power supply: P12 - P48 V ● Microphone connector: XLR 3M, XLR 5M 		

8	Base for gooseneck microphones <ul style="list-style-type: none"> ● Connection: wired ● Connectors: 3-pin XLR ● Phantom power: P24 – P48 ● Phantom powering: P24 – P48 ● Output voltage: High level output voltage >2.4V, Low level <0.4V 	
9	2 Core speaker cable <ul style="list-style-type: none"> ● 2 Core Speaker cable ATC copper Conductor, ● PVC Insulated, ● Cores twisted in a circular form, jacketed with matt finished high flex PVC. ● No of Conductors:2 ● Conductor – No/ Size of Wire:100/0.16mm ● Conductor – Cross Sectional Area:2.0 Sqmm ● Insulation Dia.:3.50 mm ● DC resistance @20 °C – Conductor:9.20 Ω / Km ● Operating Voltage:600 v ● Inductance – (1kHz at 20 °C):0.7 μH/m ● Capacitance – (1kHz at 20 °C):97pF/m ● Voltage Breakdown:Must withstand DC 500V / 15 sec ● Insulation resistance:10000 M x m Min. at DC 125V, 20 °C ● Operating Temperature:-20° C to 70° C ● Dielectric Strength:2 (KV/1 Min.) DC ● Flex Life:11500 cycles ● Dielectric Constant:4 	100 Mtr. x 2
11	Loudspeaker Connectors <ul style="list-style-type: none"> ● Standard: SP ● Gender: Female ● Number of Positions: 4 Position ● Termination Style: Screw ● Contact Plating: Silver ● Contact Material: Brass ● Voltage Rating: 133 V ● Current Rating: 30 A ● Mating Cycles: 5000 Cycle 	14
12	RCA to XLR Male Cable Pair <ul style="list-style-type: none"> ● Interconnects (cable length: 2 meters) from crossover to amps and microphone receiver to mixer 	01
13	Network Racks <ul style="list-style-type: none"> ● 12 U – 600 mm X 500 mm 	01

	<ul style="list-style-type: none"> ● Cable Entry Provision on Top & Bottom ● With provision for Fan Units / Filters 	
14	MX P38 Male Stereo Jack to EP Stereo Female Connector 3.5MM <ul style="list-style-type: none"> ● Interconnects (cable length: 1 meter) from mixer to aux playback 	
15	3 pole male cable connector <ul style="list-style-type: none"> ● Connection Type:XLR ● Gender:male ● Capacitance between contacts:≤ 4 pF ● Contact resistance:≤ 3 mΩ ● Dielectric strength:1,5 kVdc ● Insulation resistance:> 10 GΩ (initial) ● Rated current per contact:16 A ● Rated voltage:< 50 V ● Cable O.D.:3.5 - 8.0 mm ● Insertion force:≤ 20 N ● Withdrawal force:≤ 20 N ● Lifetime:> 1000 mating cycles ● Wiresize:max. 2.5 mm² ● Wiresize:max. 14 AWG ● Wiring:Solder contacts ● Locking device:Latch lock ● Boot:Polyurethan ● Contact plating:2 μm Ag ● Contacts:Brass (CuZn39Pb3) ● Insert:Polyamide (PA66) ● Locking element:Zinc diecast (ZnAl4Cu1) ● Shell:Zinc diecast (ZnAl4Cu1) ● Shell plating:Nickel 	03
16	3 pole female cable connector <ul style="list-style-type: none"> ● Connection Type:XLR ● Gender:female ● Capacitance between contacts:≤ 4 pF ● Contact resistance:≤ 3 mΩ ● Dielectric strength:1,5 kVdc ● Insulation resistance:> 10 GΩ (initial) ● Rated current per contact:16 A ● Rated voltage:< 50 V ● Cable O.D.:3.5 - 8.0 mm ● Insertion force:≤ 20 N ● Withdrawal force:≤ 20 N 	03

	<ul style="list-style-type: none"> ● Lifetime:> 1000 mating cycles ● Wiresize:max. 2.5 mm² ● Wiresize:max. 14 AWG ● Locking device:Latch lock ● Boot:Polyurethan ● Contact plating:2 μm Ag ● Contacts:Bronze (CuSn8) ● Insert:Polyamide (PA66) ● Locking element:Zinc diecast (ZnAl4Cu1) / Ck 67 (spring) ● Locking element plating:Nickel ● Shell:Zinc diecast (ZnAl4Cu1) ● Shell plating:Nickel ● Strain relief:Polyacetal (POM) 	
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Terms and Conditions:

1. The supplier should attach product brochure/pamphlet with specification along with quotation
2. The supplier should provide valid authorized dealership certificates.

Interested vendors/suppliers are required to submit an original **HARD COPY** of the detailed quotation on company letterhead in a **sealed envelope**, along with a printed copy of the following documents:

1. PAN Card
2. Aadhaar Card of the Proprietor / UDYAM Certificate
3. GST Certificate

Submissions should be sent via Speed Post, Courier, or Hand Delivery to:

The Principal

Vivekanand Education Society's College of Arts, Science and Commerce (Autonomous)
Campus 1, Sindhi Society, Chembur, Mumbai - 400071

The quotation must be received **on or before 10.02.2025 by 3:00 p.m.**

The quotation should clearly mention:

- Features offered.
- The total amount, including any applicable discounts and taxes.
- Payment terms and conditions.

Principal