

FORM OF TENDER NOTICE

Tender No. 19/2024-25 /GCWT

**Govt: College for Women,
Vazhuthacaud,
Thiruvananthapuram.**

TOTAL ESTIMATE- ₹ 3,82,805/-

Sealed tenders are invited for **purchase and installation of Public Adress System for the Assembly Hall of Government College for Women, Thiruvananthapuram.**

The envelopes containing the tender should bear the superscription "**purchase and installation of Public Adress System**" and should be addressed to **Principal, Govt. College for Women, Vazhuthacaud, Thiruvananthapuram - 14.**

Last date for the receipt of tenders will be 18/02/2025 11.30 a.m. Late tenders will not be accepted. The tenders will be opened at 02.00 p. m. on 18/02/2025 in the presence of such of the tenderers or their authorized representatives who may be present at that time.

Intending tenderers may, on application to the Principal, Govt. College for Women , Vazhuthacaud, Thiruvananthapuram obtain the requisite tender forms on which tenders should be submitted. Application for the tender form should be accompanied by a cash remittance of ` **Rs. 1300/-+G.S.T. 18%** (GST amount of the tender form **Rs.230/-**should be remit on reverse charge mode by the registered tax payer and the printout of the chalan should be submitted to office) which is the price fixed for a form/set of forms and which is not refundable under any circumstances. The tender forms are not transferable. Sale of tender forms will be closed at 12.30 p.m. on 17/02/2025 Cheques, postage stamps, etc., will not be accepted towards the cost of forms, nor will the forms be sent per V. P. P. Duplicate tender forms, if required will be issued at Rs.800/-+GST per copy.

The Earnest Money deposit @ 1% of the total amount tendered for subject to a minimum of Rs.1500/- should be accompanied by Demand Draft in favour of the **Principal, Government College for Women, Thiruvananthapuram** or fixed deposit receipts. The tenderers who are eligible for exemption from payment of EMD/Security deposit should enclose a copy of the latest certificate in support of the claim issued by Government of Kerala, Store Purchase Department Dus & D etc. Otherwise the tender will be summarily rejected. The right to accept or reject the tender without assigning any reason thereof is vested with the undersigned. Total tendered amount must be specified clearly in the tender.

- NB: 1. The price to be quoted in the tender must be inclusive of all taxes.
2. The items supplied must be as per specification attached.
3. The charges for installation should be quoted in the tender.*

Place: Vazhuthacaud
Date: 29/01/2025.

(Name and Designation of Issuing
Officer).

Approval Valid

Digitally Approved By
ANILA J.S

Date: 29.01.2025
Reason: Approved

**Specification of various components of Public Address system for the
Assembly hall to be purchased under CDC fund**

Sl No	Item	Specifications	Quantity
1.	N STAGE POWER SEQUENCER or equivalent	<ul style="list-style-type: none"> • Material: Metal • Power Input: AC90-260V 50-60Hz(3 lines: zero, fire, ground) • Outlet: 10 universal outlets • Power Loading: 5000W(8000W maximum withstand reactive power) • Output Power Socket: fireproof ABS material, maximum withstand 13A current • Interval Time per Switch: 1 second Relay Contact Current: 30A 277V AC USB Interface: 5V/500mA • Warranty-3 years 	1 NOS
2.	NEETON 1.5 SQ 3CORE CABLE LOOSE or equivalent		40 MTR
3.	ELCOME FEMALE or equivalent		8 NOS
4.	ORIENT 6A 3 PIN TOP or equivalent		4 NOS
5.	YAMAHA MG 12XU MIXER or equivalent	<ul style="list-style-type: none"> • Max. 6 Mic / 12 Line Inputs (4 mono + 4 stereo) • 2 GROUP Buses + 1 Stereo Bus 2 AUX (incl. FX) • "D-PRE" mic preamps with an inverted Darlington circuit • 1-Knob compressors • High-grade effects: SPX with 24 programs • 24-bit / 192kHz 2in / 2out USB Audio functions • Works with the iPad (2 or later) through the Apple iPad • Camera Connection Kit / Lightning to USB Camera Adapter • Includes Cubase AI DAW software download version • PAD switch on mono inputs +48V phantom power • XLR balanced outputs • Internal universal power supply for world-wide use. • Warranty-3 years 	1 NOS

6.	YAMAHA DXS 18 XLF ACTIVE SUBWOOFER OR EQUIVALENT	<ul style="list-style-type: none"> • Speaker Type: Powered Subwoofer, bass-reflex • Frequency Range (-10dB): 30Hz - 150Hz • Components: LF - 18" Cone, 4" Voice Coil, Ferrite Magnet • Sampling Frequency Rate: 96kHz and FIR Filter • A/D D/A Converters: 96kHz AD/DA • Maximum Output Level (1m; on axis): 136dB SPL • Power Rating: • Dynamic: 1600W • Burst (20ms): 1300W • Continuous: 1200W • Analog I/O: • Analog IN: Combo x2, Line level (Maximum +24dBu), Input impedance 20k • Analog OUT: XLR3-32 x2, CH1/2: THRU or DSP OUT • Others: USB2.0 Host 5V 500mA for USB memory DATA storage/load • AC: IEC AC inlet x1 (V-Lock) • Amplifier Class: Class-D • Cooling: Fan cooling, Variable speeds • Power Consumption: 40W (Idle), 180W (1/8) • Handle: Aluminium die-cast, Side x2 • Pole Socket: 35 mm (depth 80mm), M20 Threaded (depth 25mm) • Warranty-3 years 	2 NOS
7.	YAMAHA DHR 12M ACTIVE BOX Or equivalent	<ul style="list-style-type: none"> • Speaker Type: 2-way, Bi-amped Powered Speaker, Bass-reflex • Frequency Range (-10dB): 55 Hz - 20 kHz • Coverage Area: H90 x V90 • Crossover: 1.8 kHz: FIR-X tuning™ (linear phase FIR filter) • Maximum Output Level (Measured peak, IEC 60268-6): 129 dB SPL • Components: • LF: Diameter: 12" cone, Voice Coil: 2.5", Magnet: Ferrite • HF: Diaphragm: 1.75", Type: 1" throat coaxial compression driver, Magnet: Ferrite • Amplifier Class: Class-D • Power Rating: 	2 NOS

		<ul style="list-style-type: none"> • Dynamic: 1,000 W (LF: 800 W, HF: 200 W) • Continuous: 465 W (LF: 400 W, HF: 65 W) • Cooling: Fan cooling, 4 speeds • A/D D/A Converters: 24 bit 48 kHz Sampling • Processors: HPF: OFF, 100 Hz, 120 Hz, 24 dB/Oct; D-CONTOUR: FOH/MAIN, MONITOR, OFF • I/O Connectors: • INPUT: Combo x1, INPUT2: Combo x 1 + RCA pin x 2 (Unbalanced) • OUTPUT: XLR3-32 x 1 (CH1 Parallel Through or CH1+CH2 Mix) • Cabinet Material: Plywood • Finish: Durable Polyurea Painting, Black • Handle: Side x1 • Pole Socket: +35 mm x1 (Bottom) • Rigging: Floor Monitor Angle: 5° • Warranty-3 years 	
8.	AERONS SW99 SUBWOOFER STAND Or equivalent		2 NOS
9.	PROZON GREEN DIGITAL MIC CABLE Or equivalent		100 MTR
10	SHURE SM58 LC MICROPHONE W/O SWITCH Or equivalent	<ul style="list-style-type: none"> • Type-Dynamic (moving coil) • Frequency Response • 50 to 15,000Hz • Polar Pattern, Cardioid 	1 NOS
11	JTS TK 350 MICROPHONE Or equivalent	<ul style="list-style-type: none"> • Type: Moving Coil Dynamic • Frequency Response: 50~15,000 Hz (TK-600) • Frequency Response: 80~12,000 Hz (TK-350/TK-280) • Polar Pattern: Cardioid, rotationally symmetrical about the microphone axis, uniform with frequency • Sensitivity (at 1,000Hz): -75dB*(0.18mV)*0dB=1V/μbar • Impedance: 600Ω 	3 NOS
12	DYNATECH G2HH CODELESS MIC Or equivalent	<ul style="list-style-type: none"> • Carrier Frequency: UHF 640-690MHz • Bandwidth: 50MHz • Dynamic Range: 96dB • Distortion: <0.3% • Frequency Response: 30Hz-20KHz/±2dB • Signal/Noise Ratio: 96dB 	1 NOS

		<ul style="list-style-type: none"> • Sensitivity: -95dBm • Power Supply: DC 14V, 400mA • Transmitter Carrier Frequency: UHF 640-690MHz • Transmitter Bandwidth: 50MHz • Transmitter Frequency Switch: IR SYNC • Transmitter Output Power: 30mW • Transmitter Battery Life: >5h 	
13	DBX PA 2+ DRIVE RACK Or equivalent	<p>Inputs:</p> <ul style="list-style-type: none"> • 2 Line Inputs (Female XLR) • 1 RTA Mic Input (Female XLR) • Input Type: Electronically balanced/RF filtered • Input Impedance: >50 kOhms • A/D Converter: dbx Type IV™ Conversion System • CMRR: > 45dB • Mic Preamp Phantom Power: +15VDC (RTA) • Mic Preamp Equivalent Input Noise (EIN): < -117dB, 22Hz-22kHz, 150 ohm (RTA) <p>Outputs:</p> <ul style="list-style-type: none"> • 6 Line Outputs (Male XLR) • Output Type: Electronically balanced, RF filtered • Output Impedance: 120 Ω • Max Output: +20dBu • A/D Dynamic Range: 112 dB A-weighted, 110 dB unweighted • Type IV Dynamic Range: 123 dB with transient material, A-weighted, 22kHz BW; 121 dB with transient material, unweighted, 22kHz BW; 115 dB typical with program material, A-weighted, 22kHz BW <p>General:</p> <ul style="list-style-type: none"> • Input Delay Length: 100ms • Alignment Delay: 10ms per channel (60ms total) • Sample Rate: 48kHz • Dynamic Range: >110 dB A-weighted, >107dB unweighted • THD+Noise: 0.003% typical at +4dBu, 1kHz, 0dB input gain • Frequency Response: 20Hz – 20kHz, +/- 0.5dB • Interchannel Crosstalk: < -110 dB, -120dB typical (input-to-output: < -100 dB) 	1 NOS

		<ul style="list-style-type: none"> • Operating Voltage: 100-120VAC 50/60 Hz - EU: 220-240 VAC 50/60 Hz • Power Consumption: 22 W • D/A Dynamic Range: 112 dB A-weighted, 110dB unweighted • Warranty-2 years 	
14	16A PLUG TOP		2 NOS
15	N ROCK XLR BG Or equivalent		12 NOS
16	N ROCK XLR BG Or equivalent		12 NOS
17	N ROCK PHONO Or equivalent		8 NOS
18	RN ROCK MIC STAND Or equivalent	<ul style="list-style-type: none"> • Type: Table/Floor Stand • Height: 350-530 mm • Base Dia: 150 mm • Weight: 2.20kg. 	2 NOS