

PANDIT DEEN DAYAL UPADHYAYA SHEKHAWATI UNIVERSITY,  
SIKAR (RAJ.)

No. 27796

Date: 10-03-2025



**E-Tender No. 23/2024-25**

**Tender Document for Supply, Installation and Development of  
Signages Boards, Zone Wise Audio Setup and Digital All Weather  
Video Screen in Pandit Deen Dayal Upadhyaya Shekhawati  
University, Sikar (Raj.)**

**Important Dates:**

Date of Publishing	: 10.03.2025
Last Date for Submission Tender	: 29.03.2025 (at 5.00 PM)
Date of opening of Tender	: 01.04.2025 (at Registrar Office)
Cost of E-Tender Document and Fee	: 3000/-*
Estimated Cost of Tender	: 2,67,00,000/-
EMD Bid Security for the tender cost @ 2%	: 5,34,000/-*
& exemption will be allowed as per RTPP Rules 2013	
E-Tender processing fee in favour of MD, RISL Jaipur	: 2000/-

**\*Note: Demand Draft/Banker's Cheque in Favor of Registrar, Pandit Deendayal  
Upadhyaya Shekhawati University payable at Sikar**

**TERMS AND CONDITIONS:**

- The last date for submission of the tender is 29.03.2025 at 5:00 P.M., and the date of opening the tender is 01.04.2025. The university reserves the right to accept or reject any tender without assigning any reason.
- The bidder shall enclose Earnest Money Deposit (EMD) of Rs. 5,34,000/- (Rs. Five Lakh Thirty-Four Thousand only) in the form of Demand Draft drawn in favour of Registrar,

Pandit Deendayal Upadhyaya Shekhawati University, Sikar payable at Sikar. Tender Document submitted without prescribed Earnest Money Deposit (EMD) shall be summarily rejected. Submission of DD physically is mandatory in the bid.

- Quotations are invited only from reputed companies for Signage Boards, Zone Wise Audio Setup, and Digital All-Weather Video Screen.
- The details about the terms and conditions are given in the tender form, which shall be part of the Contract/Agreement. Participants are required to read and understand it properly before submitting the tender.
- The firm must adhere to all specifications and provide all the required documents. The university reserves the sole right to reject any or all bids at its discretion.
- The bidder or OEM must provide an escalation matrix with telephone numbers for service support.
- If the product is imported, the OEM or its authorized seller must have a registered office in India to provide after-sales service support. A certificate confirming this must be submitted.
- Commissioning, testing, configuration, and training (if applicable) must be carried out by the OEM, an OEM-certified resource, or an OEM-authorized reseller.
- The bidder or OEM of the offered products must have ISO 9001:2005 and ISO 27001 certifications.
- All OEM authorizations must be uploaded. The OEM authorization must be bid-specific, including the bid number, date, and buyer's name. Failure to provide this will result in disqualification.
- The successful bidder will provide a warranty for the supplied equipment as per the manufacturer's policy or for at least one year, whichever is longer.
- The bidder must conduct a site visit before submitting the final bid. The visit must take place within Five days of the bid being published on E-Tender Portal. University Entry evidence is Mandatory for approval of site visit.
- The Manufacturer's Authorization Form (MAF) for audio-visual equipment must be submitted along with the bid.
- The bidder must have an average annual turnover of at least 5 Crores over the past three years certified by CA with UDIN.
- The Bidder should attach Documentary evidence such as CA Certified Balance Sheet, Profit & Loss A/c statement for support of above.
- The Bidder should have GSTIN Registration certificate.
- The Bidder should have valid PAN Number.
- The bidder should have valid Work Experience certificate/ Work Order document (Successfully Completed/ ongoing project) of minimum 2 Nos of value not less than 1 Crore.
- The Bidder should not have been debarred/black-listed by any Central/State Government Agency. An notarised affidavit has to be submitted by the bidder in this regard.
- Other valid Documents as required for Bid compliance like Udyam/MSME.
- Character certificate on manpower provided company's letterhead is mandatory.
- Taxes: GST or any other taxes as per Govt. norms shall be applicable from time to time. The % of Tax must be indicated separately in the quotation.
- Site visit report with execution/methodology plan is compulsory for eligible bidder with signed and stamp of authorised person of Company.

## SCOPE OF WORK:

1. The bidder shall supply, install test and commission audio speaker setup with zones wise sound distribution Garden Speaker /wall mount speaker to be used as per engineer in-charge.
2. The bidder shall follow all specification of as per outlined in the tender document.
3. The bidder shall be responsible for all necessary civil work required to lay and secure cables for connecting the speaker system to the audio mixing devices in the designated control room, as directed by the person in charge.
4. The bidder will train a person in charge and other staff prior handover of project for proper usage of all equipment's provided as per tender document.
5. The bidder shall do proper rework if required on site while implementation of the project.
6. The scope of bidder shall include all integration of sound/audio system for proper functioning in university.
7. The Bidder shall supply, Design, Install and commissioning of digital signages boards as per mentioned tender details.
8. The Bidder should attach product datasheet to be used in projects specially in case of Audio Sound Setup.
9. The Bidder will take prior approvals from person-in charge before any start of supply of materials/equipment's.
10. The bidder shall supply, install, test and commission All Weather Video Screen with necessary  
M.S structure /Civil work and related electrical work for proper functioning with acceptance of person in charge.
11. The bidder shall be responsible for the integration of the screen with the University's Media Department for the seamless display of the University's public data. The integration shall ensure smooth functioning, compatibility, and real-time data updates as required by the University. The bidder shall coordinate with the Media Department to ensure all necessary technical specifications and requirements are met during the integration process.
12. The Digital Signage Boards Designs, and specific locations should be first verified /accepted by the person in charge of university prior any delivery onsite.
13. The scope of bidder shall include all Electrical wiring, Panel etc whatever is required for proper functioning of all equipment's, signages etc. mentioned /outlined in the tender document.

**TECHNICAL SPECS**  
**ANNEXURE – “1” AUDIO VIDEO SETUP**

SL No	Parameter	Quantity
1	<p>SITC 2-Way Landscape Garden Speaker. Should have 08-inch LF driver &amp; 1-inch Tweeter or better. Loudspeaker should have frequency range of 47 Hz – 16 kHz or better. Should have sensitivity (1 m/1 W) of 87 dB- SPL and Max. SPL (1 m) of 108 dB-SPL or better. Should have coverage pattern of 360° H x 160° V or better. Should have nominal impedance of 8 Ohms. Should have Power Capacity of 120 W Continuous (480 W Peak) or better. Should have built-in 60W 70V/100V multi-tap transformer, Shall have IP-56 rated highly weather resistant enclosure.            Approved Makes - BOSE / Harman / QSC</p>	67
2	<p>SITC All-Weather 2-Way Surface Mount Loudspeaker. Should have 6.5-inch LF driver &amp; 1-inch Tweeter or better. Loudspeaker should have frequency range of 70 Hz – 18 kHz or better. Should have sensitivity (1 m/1 W) of 92 dB-SPL and Max. SPL (1 m) of 120 dB-SPL Peak or better. Should have coverage pattern of 110° x 110° or better. Should have nominal impedance of 8 Ohms. Should have Power Capacity of 175 W Continuous or better.            Approved Makes - BOSE / Harman / QSC Should have built-in 120W 70V/100V multi-tap transformer, Shall have IP-56 rated all-weather ABS enclosure.</p>	27
3	<p>SITC Eight Channel Digital Network Based Power Amplifier with 600 W or more power per Channel at 2Ω/4Ω/8Ω. Should have power sharing capability between a pair of channels or bridge mode to combine a pair of channel for maximum output. Each output channel should be capable of providing 800 W or more power at either 70V or 100V for high impedance applications. Should have frequency response (8Ω, 20Hz - 20kHz) of ± 0.25dB, Signal to Noise Ratio &gt; 108 dB-A and THD &lt; 0.35% or better. Shall have on-board digital signal capabilities i.e I/O routing, delay, limiter, paramatic EQ &amp; crossover settings etc. Should have damping factor of 1000 or better. Should be controlled, configured, and monitored through standard TCP/IQ network. Should have cooling system focuses airflow on parts that need it most, maximizing efficiency while minimizing heat and noise. Should be able to receive and send audio channels over 256 Channel, Low Latency, Fault Tolerant Digital Audio Bus using standard Category 5e cabling over a distance of 100m between devices. Should have 3 nos of RJ45 port, 1 nos for data and 2 for Digital audio transmission in redundancy concept.</p>	3

4	<p>SITC Digital Signal Processor, Audio DSP with 12 inputs and 8 outputs, 12 Control Inputs and 6 Logic Outputs for GPIO Integration, 48V phantom power on all analog inputs, THD: &lt;0.01% 20Hz to 20KHz, +10dBu output, Crosstalk: &lt;-75dB, Open architecture software configurable, Separate logic Processing power, 2 digital audio bus RJ 45 Port ,1 Ethernet port for Monitoring and configuration. Capable to control over 3rd party devices with TCP IP and RS 232, Should have 1 nos of RS 232 port for integration with control System, Should have Bi-Directional Locate Functionality, Should have 48 or more digital audio Channel Bus, Should have monitoring LED for COM, STAT, ERR and PWR. Shall Support Third Party Control System Integration via RS232. Approved Makes - BOSE / Harman / QSC</p>	1
5	<p>SITC 12-channel Digital Mixer With Wireless Control, Shall have four XLR combo mic/line inputs, four XLR mic inputs, two channels of Hi- Z/instrument inputs, as well as a stereo RCA line input; In-built 2-channel USB media player which supports audio playback by MP3, WAV and AIFF formats; Shall have two balanced XLR Aux outputs, two quarter- inch headphone outputs with level control, plus balanced stereo XLR and quarter-inch main outputs. Shall be controlled by iOS, Android, Windows, Mac OS, and Linux devices by integrated wi-fi feature. Shall have fully recallable and remote-controlled mic preamps, 4-band Parametric EQ, High-Pass Filter, Compressor, De-esser and Noise Gate on input channels as well as 31-band Graphic EQ, Noise Gate and Compressor on all outputs. Approved Makes - Allen Heath / Harman / QSC</p>	6
6	<p>SITC Wired Gooseneck Microphone with Desktop base unit and programmable switch that can be programmed for the following functions - push to talk, push to mute, push on/off, low cut on/off. Length of the gooseneck should not be less than 50 cm; Shall have Audio frequency bandwidth of 70 - 18000 Hz or better; Signal to Noise : 64 dB-A or better; Cardioid Polar Pattern or better. Operating Voltage: 9 to 52 V phantom power. Audio Output : Gold Plated 3-pin XLR Port. Approved Makes - Shure / Harman / Sennheiser</p>	1
7	<p>SITC New Generation Automation Controller, features modern embedded processor that's 10x faster than the general AV processor, bountiful memory, and rugged, industrial grade eMMC storage, Should simultaneously process a virtually unlimited number of scripts written in JavaScript, Python, or Groovy and natively supports Low-Code development with Node-RED. Should have 1 10/100 LAN Ethernet port, 1 RS-232 / RS-422 / RS-485 serial port, 1 RS-232-only serial port, 2 IR / Serial ports, 4 Digital I/O ports, Compact Form Factor – 1RU x 1/3 rack width, 4 GB DDR3 RAM, 8 GB eMMC Storage, 2x USB 2.0 Type A Host port, 1x USB Type C program port. Shall be supplied with OEM recommended power supply, Regulatory Compliance : RoHS ,WEEE, CE &amp; UL.</p>	1



	Approved Makes - Extron / Harman / Kramer	
8	<p>SITC 8" Professional-Grade, Persona-Defined Touch Panel, Pre-loaded Web Kiosk, Zoom Rooms Controller, stand-alone room scheduling touch panel. customizable panel to serve the unique needs of any user, Mounting Flexibility, Advanced Security – Supports HTTPS, 802.1X, TLS 1.3, Modern Authentication or OAuth 2.0, and FIPS 140-3, Over 1 million programmatically selectable colors, Communication-enabling Technologies- Speakers, microphone, and Front-facing HD camera, Intelligence-enhancing Technologies – NFC Read/Write, Proximity Sensor, Ambient Light Sensor, Display Type TFT-LCD, IPS, Resolution 1280x800, Aspect Ratio 16:10 Landscape, Brightness 350 nits (cd/m2), Contrast Ratio &gt;800:1, Viewing Angle &gt;80°/80°/80°/80°, RAM 4GB, LPDDR4, Storage 16 GB eMMC, Ethernet RJ-45, USB Type C OTG, USB Type 2.0, Speakers 2 x 2W, Microphone Dual, Power POE RJ-45, POE 802.3af, 15.4W, Compliance UL, CE, CB, FCC Class B. Shall be supplied with OEM recommended Angle-Select Tabletop Stand that can be adjusted at install time to position a touch panel at a 30-, 45- or 60- degree angle from vertical.</p> <p>Approved Makes - Extron / Harman / Kramer</p>	1
9	<p>SIT C Armoured Speaker Cable – 4 Sqmm (128/0.20mm) x 2 core cable ATC copper conductor PVC insulated, core twisted, PVC inner Sheath, G.I. wire (0.90 mm) Armoured outer jacketed with PVC Sheath.</p> <p>Approved Makes - Belden/Krystals/Klotz</p>	As Per Site
10	<p>SIT C Armoured Speaker Cable – 4 Sq mm (128/0.20mm) x 2 core cable ATC copper conductor PVC insulated, core twisted, PVC inner Sheath, G.I. wire (0.90 mm) Armoured outer jacketed with PVC Sheath.</p> <p>Approved Makes - Belden/Krystals/Klotz</p>	As Per Site
11	<p>SITC CAT6 UTP Cable supports Gigabit Ethernet (1000 Base-T) standard. Operates at a bandwidth up to 250 Mhz</p> <p>Approved Makes - Belden/Krystals/Klotz</p>	As Per Site
12	<p>SITC 36U Rack Frame/600/650/Steel/NRS1/ CKD/Casters Type 2 with power distribution unit and mounting hardware</p> <p>Approved Makes - Comrak/Rittal/Netrack</p>	As Per Site
13	SITC Connectors & Patch Cables and other accessories	As Per Site

## ANNEXURE "2" DIGITAL SIGNAGE

S.No.	Description	QTY
1	CAMPUS MAP SIGNAGES	
	Pole Mounted post signage, with Aluminium columns as per Architect requirement, modular signage frame mounted on mild steel structure. Map printed on 3M Vinyls, laminated for outdoor use as per recommendation. Concrete foundation as per requirement and recommendation.	1
2	Signs placed on internal roads and landscape of University to align and manage pedestrian movement. The sign mounted between two poles. The sign bottom is 1500 mm from the road top finish level. The panel is designed as per the graphic layout standards specified.	3
	<p><u>Material Specification</u></p> <ol style="list-style-type: none"> <li>1. Sign face - 5mm thick acrylic acia with Led Lights. Graphics in Plotter cut RAL:5013 Exterior grade opaque vinyl pasted.</li> <li>2. Sign frame - Aluminium frame 50x50mm wide, hotdipped galvanized</li> <li>3. Sign structure - M.S. hollow box section 75x75 and mounting square sections, hotdipped galvanised and PU Painted match grouted in ground. All hardware used for fixing of sign shall be Stainless steel. Secret fixing methods should be used to fix parts together.</li> <li>4. Cover plate - 5 mm thick cover plate mounted on the flooring. The actual structural design of the sign for its stability shall be responsibility of the EPC contractor and shall be designed with due consultation and approval from structural designer.</li> </ol>	
3	BUILDING ENTRY SIGNAGE	12
	Single pole post signage, Aluminum tube columns, PU coated in desired color. Single sided Steel plate signage prepared as per artwork, mounted on frame work including Post fixing. Single pole post signage, Aluminum tube columns, PU coated in desired color. Single sided Steel plate signage prepared as per artwork, mounted on frame work including Post fixing.	

**ANNEXURE "3" All Weather Video Wall.**

<b>S No</b>	<b>Parameters</b>	<b>Size</b>
	<b>ALL Weather Video Wall with BI Pole MS Structure with all electrical works.</b>	
1	Size	12x18
2	Pixel Pitch	3 mm
3	Weight	30Kgs
4	Brightness Nits	5000
5	Viewing Angle	160x160
6	Contrast Ratio	5000:01:00
7	Max Power ( Watts /m2 )	650
8	Refresh rate	3840
9	Rating	IP65 / IP54

*N*



**BIDDER'S CHECKLIST FORM  
(TO BE SUBMITTED ALONG WITH BID)**

Sl. No	Particular	YES/NO
A	Average Annual Turnover of firm/ proprietor 5 Crore. and above in last three financial year. (Please enclose copy of C.A. Certified Certificate , Balance Sheet and Profit & Loss Account with UDIN )	
B	EMD Demand Draft with copy	
C	Work Experience certificate/ Work Order document (Successfully Completed/ ongoing project) of minimum 2 Nos of value not less than 1 Crore in any State PSU/GOVT/SEMI GOVT/INSTITUTION.	
D	OEM/MAF authorizations The OEM authorization must be bid-specific, including the bid number, date, and buyer's name. Failure to provide this will result in disqualification.	
E	Name of the applicant/Firm :	
F	Address of the Office:	
G	Valid GSTIN Registration certificate.	
H	Valid ISO Certificate as per tender document	
I	Valid PAN Card Copy	
K	Type of Organization: (whether proprietorship, partnership, Private Ltd., Certified copy of a Partnership deed/ Certificate of Incorporation/ Certificate of Registration issued by the Registrar of Cooperative Societies/ as the case may be enclosed)	
L	Submit Escalation matrix with telephone numbers for service support with OEM Certificate	
M	Valid Documents as required for Bid compliance like Udyam/MSME.	
N	Notarised Affidavit in for non – blacklisting/Debarred by any Central/State Government Agency	
P	Product Specification sheet and Site visit report with layout plan and SLD with speaker marking for audio system setup to be submitted.	
Q	Tender terms and condition's Acceptance declaration on company letter head	
N	Character Certificate	

**Authorized Signatory of the Bidders  
with Seal**



## PAYMENT TERMS AND CONDITIONS

- The payments shall be done by university in form of cheque/RTGS to the account designed by the L1 Bidder.
- The University shall deduct 2% GST & 2% TDS from each bill submitted by the L1 Bidder.
- In case of any Arbitration /Disputes raised for any reasons by the L1 Bidder or university the jurisdiction will be at Sikar only.
- The payments shall be made as per following terms:

SL. NO.	PARTICULAR	Milestones Completed	Payment in Percentage Value
1	Supply and delivery of Equipment's / hardware Items at University premises	Delivered	70%
2	Installation, Testing ,Commissioning at Pandit Deendayal Upadhyaya Shekhawati University ,Sikar	Done	15%
3	Training & handover of project at Pandit Deendayal Upadhyaya Shekhawati University ,Sikar	Done	15%

**DECLARATIONS**

I/We ..... Whose signature is given below, are authorized representatives of this firm/company.

I/We also undertake the responsibility to communicate all subsequent changes in the constitution or working of the firm, affecting the accuracy of the facts, stated above.

**(Signature of Bidder)**

**Name:-**

**Date:**

**Designation and Seal**

**Email id: -**

**Mobile no:**



DECLARATION  
(On Company/firm's Letter head)

Subject:-

Sir,

1. I, Shri..... on behalf of..... and branch office at ....., do hereby declare that I have gone through the terms and conditions mentioned above and undertake to comply with all the tender terms and conditions. The rates quoted by me/us are valid and binding on me/us for acceptance during the period of supply from the date of award of the Order to us.
2. The University has the right to accept or reject any or all the tenders without assigning any reason.
3. We understand all the terms and conditions of the contract and bind myself/ourselves to abide by them.
4. We hereby declare that the reason vigilance or court case pending/contemplated against us at the moment.

(Sign a copy of the tender documents enclosed herewith)

**Signature:**

**Name & Designation:**

**Date:**

**Name and Address of the Firm:**

**Email Id:**

**Mobile No:**

*N*

**E-Tender No. 23/2024-25**

**WORK: Supply, Installation and Development of Signages Boards, Zone Wise Audio Setup and Digital All Weather Video Screen in Pandit Deen Dayal Upadhyaya Shekhawati University, Sikar (Raj.)**

**FINANCIAL BID**

<b>SL. NO</b>	<b>PARTICULAR</b>	<b>QUOTED AMOUNT TO BE INCULSIVE OF ALL TAXES TRANSPORTATION AND OTHER CHARGED IN INR</b>
A	Supply .Setup, Installation, Testing ,commissioning & training of Audio equipment's as per tender specification at Pandit Deendayal Upadhyaya Shekhawati University ,Sikar	
B	Supply .Setup, Installation, Testing ,commissioning & training of Digital Signages Boards as per tender specification at Pandit Deendayal Upadhyaya Shekhawati University ,Sikar	
C	Supply .Setup, Installation, Testing ,commissioning & training of Outdoor Led Screen as per tender specification at Pandit deendayal Upadhayaya Shekhawati University ,Sikar	

**Authorized Signatory of the Bidders with Seal**

