



तेजपुर विश्वावद्यालय / TEZPUR UNIVERSITY

(संसद के अधिनियम द्वारा स्थापित केंद्रीय विश्वविद्यालय)

(A Central University established by an Act of Parliament)

कुल सचिव का कार्यालय/ OFFICE OF THE REGISTRAR

नपाम::तेजपुर-784028::असम

NAPAAM::TEZPUR-784028::ASSAM

NOTICE INVITING BID

Online Bids in 02 Bid System (Technical and Financial) are invited from reputed manufacturers/authorized dealers through GEM for supply and installation of **Projection System in the KBR Auditorium** at Tezpur University. (*Detailed specifications of the Audio-Video Projection System along with relevant accessories are enclosed at Annexure- II*).

Please read the Bid document carefully before participating. It shall be deemed that submission of bid by the bidder has been done after their careful study and examination of the Bid terms with full understanding to its implications. Any lack of information shall not in any way, relieve the bidder of its responsibility to fulfill its obligations under the Bid. **All the mandatory documents as listed at Annexure-I must be submitted without which a bid will not be accepted.**

The University will reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for, or in executing, the Purchase Order. Fraudulent Practice means a misrepresentation of facts in order to influence a procurement process and includes collusive practice among bidders (prior to or after Bid submission) designed to establish Bid prices at artificial non-competitive levels and to deprive Tezpur University of the benefits of free and fair competition. Corrupt Practice means offering, giving, receiving or soliciting of anything of value, pressurizing to influence the action of a public official in the process of this purchase execution.

For any queries/doubt please contact the Stores & Purchase Section (e-mail: snp@tezu.ernet.in) or in the email id mentioned in the GeM Bid.

General Information about the NIT

Last date and time for submission of Bids: As per GEM Bid

Date and Time of opening of Bids: As per GEM Bid

GENERAL TERMS & CONDITIONS:

1. The items desired to be procured through this bid are supplementary to each other and in execution of the project in entirety, as such interested participants may note that they are to quote for all the items as desired to be procured through this bid.
2. **Rates:** Rates quoted should be on **FOR Tezpur University, Napam, Tezpur, Door Delivery Basis**, for indigenous items and **CIP Tezpur University, Napam, Tezpur or Delivered Duty Paid**, for imported item. Failure to comply with this term may lead to rejection of the quotation.
3. The bidder, in case claims to be a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "**Bidder Turnover**" criteria, "**Experience Criteria**" and also from payment of **Earnest Money Deposit (EMD)**, subject to meeting of quality and technical specifications and . If the bidder is an **OEM** of the offered products, it would be exempted from the "**OEM Average Turnover**" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from **Turnover / Experience Criteria**, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
4. **Quotations should be accompanied by:**
 - i) **An Earnest Money Deposit (EMD) of ₹ 24,000/- (Rupees Twenty Four Thousand only)** must be paid online through electronic bank transfer (NEFT/RTGS/IMPS) to the University Account Number as per details mentioned below. Bidders must upload/submit a copy of the payment receipt/ transaction confirmation slip along with other relevant documents at the time of technical



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bid submission, without which the bid shall be considered incomplete and shall be summarily rejected.

Account No. 10501586273

Account Name: Tezpur University Debt Deposit

Bank Name: State Bank of India

Branch Name & Address: Main Branch, Lake Road, Tezpur

Sonitpur, Assam-784001

IFS Code: SBIN0000195

- ii) **Bidders who are MSME/NSIC registered** needs to furnish a “**Bid Security Declaration**” (format enclosed at Annexure – III) in lieu of EMD, accepting that if they withdraw or modify their bids during period of validity etc., they will be suspended for a period of Three (03) years from participating in any future bid invited/published by Tezpur University. **Bidders who are MSME/NSIC registered seeking exemption from payment of EMD are to submit valid documents in support of their claim. Bidders seeking exemption are asked to clearly mention the category under which exemption is claimed. The category of exemption under MSME/NSIC will be strictly adhered to.**
- iii) *The payment confirmation receipt of EMD/Bid Security Declaration (Annexure-III), in case of MSME registered bidders, should be clearly mentioned and uploaded on GEM during submission of the bid. Failure to do so may result in rejection of the bid.*
5. Bidders/Tenderers are to ensure that they are GST compliant and that their quoted tax structure/rates are as per GST law. The rates should be exclusive of taxes and the applicable tax percentage should be clearly indicated. Financial/Price Bid format where taxes cannot be mentioned separately, in such cases, the percentage of taxes applicable should be mentioned in the Technical Bid document.
6. Applicable levies, surcharges, and discounts should be clearly indicated item-wise
7. The Bidder can obtain bid document free from the GEM Portal.
8. All bids should be submitted online through the GEM Portal.
9. **Literature a must (wherever applicable):** All the quotations must be supported by technical leaflet/literature and the specifications mentioned in the quotation must be reflected/ supported by such technical leaflet/ literature. The model and specifications quoted should **invariably be highlighted** in the leaflet/literature for easy reference.
10. **Product Datasheet is mandatory:** Submission of required model specific Product Datasheet of the quoted product by bidder is mandatory to check and verify the product specification. The bid will be rejected if the required Product Specific Datasheet / Brochure is not submitted by the bidder. Also, if there is any material discrepancy in Product Datasheet vis-à-vis Technical Specification Requirement, then the offer shall be summarily rejected.
11. **Validity of Quotation:** Quoted rates must be valid for at least **180 days** from the last date of submission of quotation.
12. **Manufacturer authorization:** Wherever Authorized Agency/ Distributors/Partners are submitting the bid, Manufacturers Authorization Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid. The Authorization must be addressed to the buyer and it should be bid specific from OEM.
13. OEM should undertake that no refurbished component will be used in the quoted products.
14. **Bidders Turn Over Criteria:** The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the



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date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

15. Applicable levies, surcharge and discounts should be clearly indicated item wise.
16. **Product Quality Assurance: Motherboard, Monitor, Keyboard and mouse should be of the same OEM.** The name of the brand must be embossed or etched. Stickers / Paint shall not be accepted. Assembled PC in any case will not be accepted.
17. **Quality Certificates:** Valid certificate to prove that the products are genuine and of international standard, as mentioned below, must be uploaded: (a) Manufacturer's certificate; (b) ISO/ISI certificate.
18. Installation, demonstration, and training-sessions should be conducted/imparted by the selected bidder/ OEM for the delivered equipment as well.
19. **After Sales Service Guidelines (wherever applicable)::** In case of imported goods as well as local goods, bidders should clearly state the detailed address, contact number and email ids of 'after sales service centre' preferably in Tezpur/Guwahati, India or any place in the N.E region. Service against any complaint must be provided within 24hours.
20. **Genuine Pricing:** Vendor is to ensure that quoted price is not more than the price offered to any other customer in India to whom the services has been rendered, particularly to Universities/IITs/Institutes and other Government Organization.
21. **Payment:** 100% payment after successful delivery, installation and commissioning (if required in the scope of supply) and acceptance by the user.
22. **Penalty for Delayed Delivery:** The date of delivery should be strictly adhered to. In the event of delayed delivery, installation & commissioning, the vendor shall be liable for a penalty deduction as per prevailing rule.
23. The University is exempted from paying Custom and Excise duty.
24. Warranty/Guarantee applicable if any, period should be specifically mentioned in the quotation.
25. Irresponsive/incomplete quote will be rejected.
26. **Performance Bank Guarantee amounting to 3(Three) % of the order value needs to be submitted in the form of Bank Guarantee in favour of "The Registrar, Tezpur University" on or before final settlement of the bill.** The Performance Bank Guarantee must remain valid for the entire period of warranty plus **60(sixty) days**. No interest shall be paid on the Performance Bank Guarantee.
27. **Conditional tenders not acceptable:** All the terms and conditions mentioned herein must be strictly adhered to by all the vendors. Conditional tenders shall not be accepted on any ground and shall be rejected straightway. Printed conditions mentioned in the tender bids submitted by vendors will not be binding on Tezpur University.
28. **Enquiry during the course of evaluation not allowed:** No enquiry shall be made by the bidder(s) during the course of evaluation of the tender till final decision is conveyed to the successful bidder(s). However, the Purchase Committee or its authorized representative (Tezpur University) can make any enquiry/seek clarification from the bidders. In such a situation, the agency shall extend full co-operation. The bidders may also be asked to arrange demonstration of the offered items, in a short period notice, as such the bidders have to be ready for the same.

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29. Termination for default: Default is said to have occurred.

- If the equipment or any of its component is found having poor workmanship, faulty designs, poor performance and bad quality of materials used.
- If the supplier fails to deliver any or all of the services within the time period(s) specified in the purchase order or any extension thereof granted by Tezpur University.
- If the supplier fails to perform any other obligation(s) under the contract.
- Under the above circumstances Tezpur University may terminate the contract / purchase order in whole or in part and forfeit the EMD/PBG as applicable. In addition to above, Tezpur University may at its discretion also take the following actions: Tezpur University may procure, upon such terms and in such manner, as it deems appropriate, goods similar to the undelivered items/products and the defaulting supplier shall be liable to compensate Tezpur University for any extra expenditure involved towards goods and services obtained. Besides, the Vice-Chancellor, Tezpur University, and reserves the right to impose any other form of penalty as deemed fit including blacklisting of the vendor.

1. Selection criteria:

i. Evaluation Criteria:

To ensure that each bidder has the necessary qualifications and resources to fulfil its obligations under the contract, the following criteria shall be evaluated. The Eligibility, Financial, Experience & Support criteria should be passed before the technical criteria. Technical criteria will be evaluated and ranked by the award of "ACCEPT" and/or "REJECT". Only the "ACCEPTED" vendors will be considered for opening of price bid. The evaluation will be done based on the total value-wise evaluation. In case, a joint venture makes a bid, any one of the members of the joint venture needs to be qualified for each of the criteria mentioned below.

- The L-1 will be selected based on the price of basic equipment and selected accessories as per order of priority.

Eligibility Criteria:

- The bidder or the OEM should not be blacklisted by Tezpur University or any other Educational /R&D/ PSU/ Govt organizations. A certificate or undertaking to this effect must be submitted.

iii. Technical Criteria

Technical bids will be evaluated and ranked by the award 'Accepted' & 'Rejected'. The price bids of Accepted vendors would then be considered by the concerned Purchase Committee of the institute.

Delivery Period

- The delivery installation and commissioning should be completed within **45 Days** of the award of BID without any deviation.

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30/9/20

Deputy Registrar (S&P)
Tezpur University



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Annexure-I

List of Enclosures to be submitted with the Bid

Sl.	Type of Document	Submitted	Page No.
1.	Bidders Office Address (with mobile No. and e-mail)	Yes/No	
2.	PAN Card	Yes/No	
3.	GST Certificate	Yes/No	
4.	Valid Trade License/ Registration Certificate	Yes/No	
5.	ITR Returns (Last 03 Financial Years)	Yes/No	
6.	Audited Balance Sheet certified by CA for last 03 yrs. *	Yes/No	
7.	Annual Turnover (last 03 Financial Years) *	Yes/No	
8.	Declaration of Non-Blacklisting	Yes/No	
9.	Acceptance to Tender Condition	Yes/No	
10.	Technical Specifications and Compliance Sheet including model supported by leaflet	Yes/No	
11.	Proof of Experience *	Yes/No	
12.	Earnest Money Deposit (* exempted for those who are MSME registered)	Yes/No	
13.	Bid Security Declaration Form*	Yes/No	
14.	MSME / NSIC /Start-up Certificate	Yes/No	
15.	ISO Certificates (wherever applicable)	Yes/No	
16.	Address of After Sales Support /Service Centres (wherever applicable)	Yes/No	
17.	Dealership Certificate/Authorization Certificate / MAF (wherever applicable)	Yes/No	
18.	MII Declaration (wherever applicable)		
19.	Escalation Matrix	Yes/No	
20.	Product Datasheet/ Techno Commercial Statement and User Manual	Yes/No	
21.	Certification for Genuine Pricing	Yes/No	

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Annexure-II

SCHEDULE OF REQUIREMENTS (BOQ)

S/N	Item Description	Qty	Unit
1	HIGH-BRIGHTNESS WUXGA LASER PROJECTOR WITH POWERED LENS	1	Set
2	55-INCH COMMERCIAL GRADE STAGE DISPLAY / CONFIDENCE MONITOR	1	Nos
3	HEAVY-DUTY MOBILE FLOOR TROLLEY FOR 55" DISPLAY	1	Nos
4	4K HDMI EXTENDER SET - 1 TRANSMITTER & 2 RECEIVERS	1	Set
5	STAINLESS STEEL DUAL-MODULE HDMI FACEPLATE	1	Nos
6	WIRELESS PRESENTATION & SCREEN SHARING SYSTEM	1	Set
7	HIGH-SPEED 4K HDMI CABLE 2.0 METER	4	Nos
8	SOLID COPPER CATEGORY 6 STP SHIELDED CABLE	60	Mtrs
9	BALANCED SHIELDED 2-CORE AUDIO CABLE	50	Mtrs
10	INSTALLATION, TESTING, COMMISSIONING & 3-YEAR SUPPORT	1	Job

TECHNICAL SPECIFICATIONS

Note: All specifications are minimum threshold requirements. Bidders must indicate exact offered parameters and attach OEM datasheets.

S/N	Parameter / Feature	Required Minimum Specification	Qty	Unit
1	HIGH-BRIGHTNESS WUXGA LASER PROJECTOR WITH POWERED LENS		1	Set
1.01	Projection System / Technology	3LCD / 3-Chip LCD Projection Technology		
1.02	LCD Panel Size & Aspect Ratio	Approx. 0.76 inch (19.3 mm) diagonal, Native 16:10 aspect ratio		
1.03	Native Resolution	WUXGA (1920 x 1200 pixels) or higher		
1.04	Light Source Type	Solid-State Laser Diodes (Mercury-Free)		
1.05	Light Output / Brightness	Minimum 8,000 ANSI / ISO Lumens (Equal White and Colour Light Output)		
1.06	Light Source Operational Life	Minimum 20,000 hours (Normal / Standard mode), Minimum 24,000 hours (Eco mode)		
1.07	Dynamic Contrast Ratio	Minimum 3,000,000:1 (Full On / Full Off with dynamic contrast active)		
1.08	Projected Screen Size Support	Diagonal size range 40 inches to 400 inches (16:10 aspect ratio)		
1.09	Center-to-Corner Brightness Uniformity	Minimum 85% or higher		



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1.10	Optical Lens & Throw Ratio	Powered Zoom & Powered Focus standard lens included; Throw Ratio covering approx. 1.6:1 to 2.8:1; F = 1.7 to 2.3, f = 26.8 to 45.5 mm (or equivalent); Support for interchangeable bayonet lenses		
1.11	Powered Lens Shift	Vertical: Minimum $\pm 60\%$ (Powered); Horizontal: Minimum $\pm 30\%$ (Powered)		
1.12	Keystone Correction Range	Vertical: Minimum $\pm 25^\circ$; Horizontal: Minimum $\pm 30^\circ$; with Curved Screen and Corner Keystone correction		
1.13	Video Input Interfaces	Minimum 2x HDMI (supporting HDCP 2.2/2.3, 4K/60p signal input, Deep Color, CEC); 1x D-Sub 15-pin (Computer / RGB In)		
1.14	Video Output Interfaces	1x D-Sub 15-pin (Monitor Out / RGB Loop Out)		
1.15	HDBaseT / Digital Link Connectivity	1x RJ-45 HDBaseT / Digital Link supporting uncompressed 4K video, audio, Ethernet, and control signals over a single CAT6/6A cable		
1.16	Network & Control Ports	1x RJ-45 LAN port (10/100 Base-TX, PLink Class 2, Art-Net compatible); 1x RS-232C (D-Sub 9-pin); Multi-sync / wired remote ports		
1.17	Audio Interfaces	1x 3.5 mm Stereo Mini-jack Audio In; 1x 3.5 mm Stereo Mini-jack Audio Out (variable/fixed for external DSP/PA routing)		
1.18	Auxiliary Power Output	1x USB Type-A (DC 5V, 2A power supply for wireless receivers / HDMI dongles)		
1.19	Acoustic Noise Level	Maximum 35 dB (Normal mode), Maximum 28 dB (Quiet / Eco mode)		
1.20	Air Filter Maintenance Cycle	Reusable/replaceable electrostatic air filter with maintenance cycle up to 20,000 hours		
1.21	Power Supply & Power Consumption	100–240 V AC, 50/60 Hz; Maximum power consumption ≤ 480 W; Standby ≤ 0.5 W		
1.22	Operating Environment	Operating temperature 0°C to 45°C ; Operating humidity 20% to 80% (non-condensing)		
1.23	Product Certifications & Warranty	BIS Registered (mandatory for India), CE, RoHS, ISO 9001 & 14001 OEM certification; Minimum 3 Years Comprehensive On-site OEM Warranty on Projector & Laser Light Source		
2	55-INCH COMMERCIAL GRADE STAGE DISPLAY / CONFIDENCE MONITOR		1	Nos.
2.01	Screen Size & Display Type	55-inch diagonal, Commercial Grade Large Format Display (LFD)		
2.02	Panel Technology & Resolution	IPS / Commercial Grade LCD Panel with Direct LED Backlight; Native 4K UHD (3840 x 2160 pixels)		
2.03	Aspect Ratio	16:9		
2.04	Brightness & Contrast	Minimum 400 cd/m ² (nits); Native Contrast Ratio $\geq 1200:1$		
2.05	Viewing Angles & Response Time	178° Horizontal / 178° Vertical; Response Time ≤ 8 ms		
2.06	Operating Hours / Duty Cycle	Continuous 24 Hours / 7 Days (24x7) operation certified		
2.07	Display Orientation	Supports both Landscape and Portrait orientations		

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2.08	Built-in System on Chip (SoC) / Processing	Quad-Core ARM Cortex Processor, Minimum 2 GB RAM, Minimum 16 GB eMMC Storage; Built-in Commercial Android OS (v11 or higher) / proprietary commercial smart platform		
2.09	Built-in Audio	Integrated stereo speakers (Minimum 10W + 10W output)		
2.10	Video & Peripheral Inputs	Minimum 2x HDMI 2.0 (HDCP 2.2 compliant); Minimum 2x USB 2.0 / 3.0 ports		
2.11	Network & Wireless Connectivity	1x RJ-45 Ethernet port, Built-in Dual-band Wi-Fi (2.4 GHz & 5 GHz), Built-in Bluetooth		
2.12	Audio Output	1x 3.5 mm Stereo Mini-jack / SPDIF optical audio output		
2.13	Certifications & Warranty	BIS Registration (mandatory), MII compliance, CE, RoHS; Minimum 3 Years Comprehensive On-site OEM Warranty		
3	HEAVY-DUTY MOBILE FLOOR TROLLEY FOR 55" DISPLAY		1	Nos.
3.01	Structural Material	Heavy-gauge Cold Rolled Steel / Cast Iron with durable anti-scratch powder-coated finish		
3.02	Load Bearing Capacity	Rated to safely withstand display weight of minimum 50 kg or higher		
3.03	Mobility & Locking Mechanism	Equipped with 4 heavy-duty 360-degree swivel castor wheels, with independent mechanical lock/brake on each wheel		
3.04	VESA Mounting Compatibility	Universal VESA mount compliant supporting 200x200 mm up to 600x400 mm patterns		
3.05	Tilt Angle Adjustment	Multi-angle tilt adjustment provision (including 0°, 15°, 25°, 35°, 45°) for stage confidence monitoring		
3.06	Integrated Features	Integrated internal cable routing channels within column/frame, integrated accessory shelf for mounting HDMI receiver/equipment		
4	4K HDMI EXTENDER SET - 1 TRANSMITTER & 2 RECEIVERS		1	Set
4.01	Extender Topology	Set comprising 1x Transmitter (TX) unit with dual CAT outputs and 2x matching Receiver (RX) units (or 1 TX + 2 RX configuration)		
4.02	Video Resolution Support	Supports up to 4K2K @ 60Hz (4:4:4 / RGB / YUV) and 1080p @ 60Hz; Fully compliant with HDMI 2.0b and HDCP 2.2		
4.03	Transmission Bandwidth	Minimum 18 Gbps uncompressed / visually lossless bandwidth		
4.04	Transmission Range	Up to 70 meters (230 ft) at 4K@60Hz over a single Category 6/6A STP/UTP cable		
4.05	Transmitter Interfaces	Input: 1x HDMI Type-A; Local Loop Out: 1x HDMI Type-A; Extender Outputs: 2x RJ-45 CAT ports; 1x Service port / Micro USB; DC 12V power input		
4.06	Receiver Interfaces	Input: 1x RJ-45 CAT port; Output: 1x HDMI Type-A port		
4.07	Color Depth & Color Space	Supports RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0; 8-bit, 10-bit, and 12-bit Deep Color		

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4.08	Control & EDID Management	Wideband bi-directional IR pass-through (20 kHz to 60 kHz); Advanced smart EDID management (copy/pass-through/pre-set modes)		
4.09	Chassis & Protection	Compact metal enclosure with surge / ESD protection (Human-body model $\pm 8\text{kV}$ air / $\pm 4\text{kV}$ contact)		
5	STAINLESS STEEL DUAL-MODULE HDMI FACEPLATE		1	Nos.
5.01	Material & Finish	High-grade Corrosion Resistant Stainless Steel (SS 304 Grade) with brushed satin metallic finish		
5.02	Dimensions & Gang Box Fitment	Approx. 104 mm (Width) x 98 mm (Height); Standard mounting hole pitch of 60.0 to 62.5 mm, compatible with standard 2-module electrical gang boxes		
5.03	Plate Thickness	Minimum 1.2 mm sturdy metal sheet to resist flexing and connector wear		
5.04	Connector Type	Built-in Female-to-Female HDMI Type-A pass-through coupler, 24K gold-plated contacts, supporting 4K UHD signals		
5.05	Mounting Hardware	Included matching stainless steel countersunk screws		
6	WIRELESS PRESENTATION & SCREEN SHARING SYSTEM		1	Set
6.01	Wireless Technology & Frequency	Dedicated 5 GHz High-Speed Peer-to-Peer (P2P) direct Wi-Fi transmission (802.11ac); No corporate network dependency required		
6.02	Output Display Resolution	Full HD 1080p @ 60Hz / 4K UHD output to display/projector		
6.03	Transmitter Button / Dongle	Plug-and-play USB Type-C transmitter button; Hardware encoding with zero software/driver installation required; Supports 60W USB-PD pass-through power charging		
6.04	Receiver Base Unit Interfaces	1x HDMI Output, 1x USB-A port, DC Power input		
6.05	Multi-User & Switch Capacity	Base unit supports pairing up to 8 transmitter buttons simultaneously with instant one-click switching		
6.06	BYOD & Native Casting	Native support for Apple AirPlay and Android/Windows Miracast casting without third-party apps		
6.07	Transmission Range & Latency	Operational range up to 30 meters (approx. 98 ft) line-of-sight; Ultra-low transmission latency ≤ 80 ms		
6.08	Security & Content Protection	WPA2-PSK / AES 128-bit encryption; HDCP 1.4 / 2.2 compliant		
7	HIGH-SPEED 4K HDMI CABLE 2.0 METER		4	Nos.
7.01	Cable Specification & Standard	High-Speed HDMI 2.0 Cable with Ethernet, Bandwidth ≥ 18 Gbps		
7.02	Resolution & Video Support	Supports 4K UHD @ 60Hz (4:4:4 color space), HDR, 3D, and Audio Return Channel (ARC)		
7.03	Connector Construction	Precision-machined 24K Gold-plated HDMI Type-A Male to Male connectors with molded strain relief		
7.04	Cable Profile & Bend Radius	Flexible slim outer diameter (approx. 3.6 ± 0.2 mm) with tight bending radius (~ 36 mm) for clean		



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		raceway/podium routing		
7.05	Length & Shielding	Nominal length 1.8m to 2.0m; Multi-layer shielding against EMI/RFI interference		
8	SOLID COPPER CATEGORY 6 STP SHIELDED CABLE		60	Mtrs
8.01	Cable Classification	Category 6 STP / FTP (Shielded Twisted Pair) 4-Pair Solid Copper Cable		
8.02	Conductor Gauge & Material	23 AWG Solid Bare Electrolytic Copper (Conductor diameter approx. 0.58 mm)		
8.03	Shielding & Drain Wire	Overall Aluminum-Mylar tape shield (100% coverage) with integrated 24 AWG tinned copper drain wire		
8.04	Insulation & Outer Jacket	High-Density Polyethylene (HD-PE) conductor insulation; Flame-retardant PVC / LSZH outer jacket rated UL94V-0		
8.05	Mutual Capacitance & Electricals	5.6 nF / 100m nominal; Impedance 100 ± 15 Ohms; Certified up to 250 MHz or higher		
8.06	Temperature & Safety Standards	Rated for -20°C to +75°C; Compliant with TIA/EIA-568-C.2, ISO/IEC 11801, UL 444, UL 1581, RoHS		
9	BALANCED SHIELDED 2-CORE AUDIO CABLE		50	Mtrs
9.01	Cable Type & Application	High-quality balanced stereo / microphone / line-level shielded audio interconnect cable		
9.02	Conductors	Pair of 20 AWG to 22 AWG multi-strand high-purity oxygen-free copper / tinned copper conductors		
9.03	Conductor Insulation & Dielectric	Polypropylene / Polyethylene insulation for optimal signal velocity and low signal loss		
9.04	Shielding & Noise Rejection	100% coverage Aluminum-foil / Mylar screening with 20 AWG tinned copper drain wire for high EMI/RFI rejection		
9.05	Jacket & Temperature Rating	Heavy-duty flexible PVC outer jacket (nominal outer diameter 6.0 to 6.2 mm); Temperature rating 75°C or better		
10	INSTALLATION, TESTING, COMMISSIONING & 3-YEAR SUPPORT		1	Job
10.0 1	Turnkey Installation Scope	End-to-end installation, physical mounting, alignment, cabling, dressing, and termination of all AV equipment as per approved layout and connectivity schematic		
10.0 2	Ceiling Mount & Screen Integration	Structural safety audit, load verification, optical re-alignment, and secure integration of projector on existing ceiling mount and existing projection screen		
10.0 3	Signal & Audio Routing	Routing and connection from Transmitter to Extender Receivers via Cat6 STP; HDMI connection to Stage Display (RX 1) and Projector (RX 2); Interfacing Projector Audio Output to existing DSP/PA mixer input		
10.0 4	Testing & Calibration	Color balance, keystone, lens focus, geometric correction, EDID handshaking, signal resolution verification (4K & 1080p), and latency testing		

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10.0 5	Documentation & Handover	Submission of As-Built system schematic diagrams, cable numbering/tagging charts, OEM warranty certificates, user operational manuals, and hands-on operational training to the technical staff that will be operating the system.		
10.0 6	Warranty & SLA Support	Minimum 3 Years Comprehensive On-site OEM Warranty and maintenance support. Maximum SLA response time within 24 to 48 hours for incident resolution		

Note :	
(a)	Site Inspection, De-commissioning & Re-use of Existing Infrastructure: The existing heavy-duty projector ceiling mount and projection screen must be retained, re-aligned, and re-used in accordance with the site conditions. The successful System Integrator shall be responsible for the safe de-commissioning, dismantling, and handling of the existing projector. Prospective bidders are advised to conduct a prior site inspection at Tezpur University to assess actual site conditions and infrastructure readiness before bidding.
(b)	Comprehensive Warranty: All supplied active equipment and components wherever not specifically mentioned must carry a minimum of three (3) years comprehensive on-site OEM warranty starting from the date of successful installation, testing, and final commissioning.
(c)	Mandatory Requirement: If the bidder is not the Original Equipment Manufacturer (OEM) of the products offered, the bidder must submit a Bid Specific Manufacturer's Authorization Form (MAF) executed by an authorized signatory of the respective OEM against Item No. 1 and 2



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Annexure-III

(To be submitted on Company's/Firm's Letterhead signed and sealed)

Bid-Security Declaration Form

Date: _____

Bid No. _____

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Security Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of three year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

(a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or

(b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown) in the capacity of (insert legal capacity of person signing the Bid Securing Declaration).

Name: (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of: (insert complete name of Bidder) Dated on _____ day of _____ (insert date of signing)

Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid).