

**Proceeding of Pre-bid Meeting of Technical Committee held with interested bidders on 06.12.2025 at 11 A.M. onwards for selection of agency for Supply and Installation of IT Products and Furnitures under PM USHA scheme at Lalit Narayan Mithila University, Darbhanga.**

With reference to the **Notice Inviting Tender (NIT) Reference No.: - LNMU/MERU (PM-USHA)/01 to 04/2025** published in different newspapers on 30<sup>th</sup> November, 2025 and uploaded on the website “ <http://www.eproc2.bihar.gov.in/> ”, and “<https://www.lnmu.ac.in/> ” for selection of Agency for Supply and Installation of IT Products and Furnitures at L.N. Mithila University, Darbhanga, the Pre- Bid meeting was held at 11:00 AM onwards on 06.12.2025 online through google meet on the following link: <https://meet.google.com/ubu-gbmo-bga> and offline at the Conference Hall, University Department of Physics, LNMU, Darbhanga.

1. The following members of the Procurement/Technical Committee were present in the Pre-bid Meeting: -

- a. Shri Indra Kumar, FA & FO, LNMU, Darbhanga
- b. Mr. Amrit Kumar Jha, Nodal Officer (MERU), LNMU, Darbhanga
- c. Dr. Atanu Banerjee, ePROC Coordinator, LNMU, Darbhanga
- d. Dr. Deepak Kumar, Subject expert, LNMU, Darbhanga
- e. Dr. Ankit Singh, Subject expert, LNMU, Darbhanga
- f. Dr. Prachi Marwaha, Subject Expert, LNMU, Darbhanga
- g. Dr. Anindra Sharma, Subject Expert, LNMU, Darbhanga
- h. Dr. Vipul Sneh, Subject Expert, LNMU, Darbhanga
- i. Prof. Lavanya Kirti Singh “Kabya”, Subject Expert, LNMU, Darbhanga
- j. Shri Krishna Murari, Tender Expert, LNMU, Darbhanga
- k. Mr. Ganesh Kr. Paswan, Technical Expert, LNMU, Darbhanga
- l. Mr. Sumit Kr. Jha, Staff, MERU Secretariat, LNMU, Darbhanga

2. The officer/employee/representative of the following interested bidders participated in the Pre-bid meeting:

Sl. No	Name of the Organization/ Interested Bidders
1.	Mrs. Suparna Maitra – Researcher’s Pal
2.	Mr. Durbadal Kundu – Researcher’s Pal
3.	Mr. Kalyan Banerjee – ASE Instruments Agency Pvt. Ltd.
4.	Mr. Arindam Ghoshal – ASE Instruments Agency Pvt. Ltd.
5.	Mr. Subhadip Kundu – Medispec (I) Ltd.
6.	Mr. Ishu Mittal
7.	Mr. Samir Vahi (online) – Ifront Technology
8.	Mr. Chandra Vijay Choudhary (online) – Info Hiway
9.	Mr. Vikash Kumar (online) – Bihar Trading Corporation

S. No.	Page No.	Clause no. and Heading	Tender Requirements	Bidder's Request	Clarifications/ Recommendations of the Technical Committee
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1	22	S.No. 3	UPS for desktop computers	UPS VA/KVA not mentioned.	Bidder's request accepted. Refer to Corrigendum 3, Sl. No. 1
2.	22	S.No. 4	Inverter with battery 2KVA with 3 years warranty at least	How much battery backup you need?	Bidder's request accepted. Refer to Corrigendum 3, Sl. No. 2
3.	22	S.No. 6	Microphone Cable	Cable length not mentioned	Bidder's request accepted. Refer to Corrigendum 3, Sl. No. 3
4.	22	S.No. 7	AUX Cable (High quality 24 AWG)	Cable length not mentioned	Bidder's request accepted. Refer to Corrigendum 3, Sl. No. 4
5.	22	S.No. 14	Generator 5KVA Diesel Single Phase	Either portable or industrial not mentioned. How much warranty you need?	Bidder's request accepted. Refer to Corrigendum 3, Sl. No. 5
6.	22	S.No. 15	Intranet connection with LAN Net Working Line in/c switch, Cable Connection etc for 26 Computer with all necessary accessories.	In item you had mentioned for 26 computer and in quantity you had mentioned 31, kindly clear.	LAN connection is required for 31 computers. <b>Refer to corrigendum 3, Sl. no. 6.</b>
7.	23	S.No. 22	Printer LaserJet B/W	Printer specifications not mentioned.	Bidder's request accepted. <b>Refer to corrigendum 3, Sl. no. 7</b>
8.	23	S.No. 24	86" Flat Interactive Panel with online UPS for 21 Smart Seminar Classrooms.	Not mentioned regarding OPS and Operating system.	Bidder's request accepted. <b>Refer to corrigendum 3, Sl. no. 8</b>
9.	23	S.No. 31	Printer with Scanner; Multifunction Laser Jet	Printer specifications not mentioned	Bidder's request accepted. <b>Refer corrigendum 3, Sl. no. 9</b>
10.	23	S.No. 33	LAN Network Setup (Switches, Cabling, Etc.) LAN Setup With 1 Gbps Switch And Cabling	Number of computers not mentioned for networking	Bidder's request accepted. <b>Refer corrigendum 3, Sl. no. 10</b>
11.	23-24	S.No. 46	All-in-one Desktop 13th Generation Intel® Core™ i7- 13700 Processor with Sturdy Computer Table with slider rack for keyboard and rack for UPS (E-cores up to 3.60 GHz P-cores up to 4.90 GHz) Operating System Windows 11 Home Single Language 64	13 <sup>th</sup> Generation all in one or computers are not manufacturing by any OEM, Now ultra, ultra-5, ultra-7 are available.	We have revised the specifications. <b>Refer to corrigendum 3, Sl. no. 11</b>

			Graphic Card Integrated Intel® UHD Graphics for 13th Gen Intel® Processors Memory 16 GB DDR5-5200MT/s (SDIMM) Storage 1 TB SSD M.2 2280 PCIe Gen4 TLC Display 24" QHD (2560 x 1440), IPS, Anti- Glare, Non-Touch, 99% sRGB, 350 nits, 100Hz, 14ms AC Adapter / Power Supply 135W		
12.	22	S. No. 18	<p>Laptop:</p> <p>Processor</p> <ul style="list-style-type: none"> <li>- Minimum: Intel Core i7-10750H or AMD Ryzen 7 4800H</li> <li>- Recommended: Intel Core i9-11900H or AMD Ryzen 9 5900HX</li> </ul> <p>Memory and Storage</p> <ul style="list-style-type: none"> <li>- RAM: 16 GB DDR4 (32 GB or more recommended)</li> <li>- Storage: 512 GB NVMe SSD (1 TB or more recommended)</li> </ul> <p>Graphics Card</p> <ul style="list-style-type: none"> <li>- Minimum: NVIDIA GeForce GTX 1660 Ti or AMD Radeon RX 560X</li> <li>- Recommended: NVIDIA GeForce RTX 3070 or AMD Radeon RX 6800M</li> </ul> <p>Display</p> <ul style="list-style-type: none"> <li>- Minimum: 15.6" Full HD (1920x1080) IPS display</li> </ul>	<p>10<sup>th</sup> Generation laptops are not manufacturing by any OEM, now ultra series are available.</p>	<p>Bidder's request partially accepted. <b>Refer to corrigendum 3, Sl. no. 17.</b></p>

			<ul style="list-style-type: none"> <li>- Recommended: 15.6" 4K (3840x2160) IPS display or OLED display</li> <li>Operating System</li> <li>- Recommended: 64-bit Windows 10 or macOS High Sierra (or later) Additional Features</li> <li>- Ports: Multiple USB-A, USB-C, HDMI, and SD card slots</li> <li>- Cooling System: Dual fans or liquid cooling for optimal temperature management</li> <li>- Battery Life: At least 6 hours of battery life for uninterrupted editing</li> </ul>		
13.	10	7.1 Point 5	Work Order/ Completion Certificates from the client. It is essential to include experience certificates from each client. If the agency's work is ongoing, please include the relevant supporting.	GeM CRAC (Customer Receipt and Acceptance Certificate) which is Computerized Gem Generated Certificate by the buyer which is generated for payment after Supply Installation and Completion of Work Order ( GeM contract).	GeM contract order copy and GeM CRAC are also valid.
14.	10	7.1 Point 6	For IT Products: The Bidder should have latest ISO 9001, ISO 14001, ISO 45001, ISO 50001 & ISO 27001 certification of the OEM. For Furnitures: The bidder should have latest ISO 50001, 21015, 21016, 10002 & 24496 certification	These all certificates not for with the Bidder, some certificates are for OEM	Request accepted. <b>Refer to corrigendum 3, Sl. no. 12</b>
15.	11	7.2 point no 3 and Point no 4	Work Order/ Completion Certificates from the client	GeM CRAC ( Customer Receipt and Acceptance Certificate) which is Computerized Gem Generated Certificate by the buyer which is generated for payment after Supply	CRAC and GeM contract are also acceptable as Work Order/ Completion Certificate.

				Installation and Completion of Work Order ( GeM contract).	
16.	12	7.2.1 point no (iv)	Apart from the ISO certificates for IT Products, the bidder must submit TL9001, BIS, RoHS, CE & FCC certificates as well as E-waste Certificate (EPR authorization from CPCB, Govt. of India).	These all certificates not for the Bidder, some certificates are for OEM.	Request accepted, however, these certificates have to be obtained from the OEM by bidders and be produced/submitted before bid closure for technical evaluation of the bid.
17.	12	7.2.1 point no (v)	Bidder must submit a valid Electrical license.	This License is for Building Construction Builders or any department which have heavy Electrical work in the Building.	There are certain electrical works/installations to be performed by the successful bidders. In no case, would untrained electricians be allowed to perform such activity. Electrical license is compulsory. <b>Thus, bidders request not accepted.</b>
18.	12	7.2.1 point no (vi)	For Furniture items, the bidder must submit BIFMA, IGBC, GREEN GUARD, AIOTA and Factory License.	These all certificates not for the Bidder, some certificates are for OEM	Request accepted, however, these certificates have to be obtained from the OEM by bidders and be produced/submitted before bid closure for technical evaluation of the bid.
19.	13	8.2 Performance Guarantee	The University will require the selected bidder to provide an irrevocably, unconditionally Performance Bank Guarantee, within 21 days from the Notification of award, for a value equivalent to 8% of the total cost of ownership.	PBG 8% of total value is too high, Reduce it to 2%	<b>Bidder request not accepted.</b>
20.	22	Annexure A sl no 3	UPS for desktop computers	Detail configuration of UPS not Given	<b>Refer to corrigendum 3, Sl. no. 1</b>
21.	22	Annexure A sl no 15	Intranet connection with LAN Net Working Line in/c switch, Cable Connection etc for 26 Computer with all necessary accessories.	Detail Quantity not given	LAN connection is required for 31 computers. <b>Refer to corrigendum 3, Sl. no. 6</b>
22.	23	Annexure A sl no 22	Printer LaserJet B/W	Detail not given	Bidder's request accepted. <b>Refer to corrigendum 3, Sl. no. 7</b>

23.	23	Annexure A sl no 24	86" Flat Interactive Panel with online UPS for 21 Smart Seminar Classrooms.	Detail not given	Bidder's request accepted. <b>Refer to corrigendum 3, Sl. no. 8</b>
24.	23	Annexure A sl no 25	LED Panel 75" each for Jubilee Hall Auditorium	Detail not given	Bidder's request accepted. <b>Refer to corrigendum 3, Sl. no. 13</b>
25.	23	Annexure A sl no 31	Printer with Scanner; Multifunction Laser Jet	Detail not given	Bidder's request accepted. <b>Refer corrigendum 3, Sl. no. 9</b>
26.	23	Annexure A sl no 33	LAN Network Setup (Switches, Cabling, Etc.) LAN Setup With 1 Gbps Switch And Cabling	Detail not given	Networking is required for 40 computer systems
27.	23	Annexure A sl no 34	Projector And Screen For Demonstrations And Workshops	Detail not given	Bidder's request accepted. <b>Refer to corrigendum 3, Sl. no. 14</b>
28.	25	Annexure A sl no 71	Round Table	Detail not given	Bidder's request accepted. <b>Refer to corrigendum 3, Sl. no. 15.</b>
29.	25	Annexure A sl no 72	Ergonomic Chairs	Detail not given	Bidder's request accepted. <b>Refer to corrigendum 3, Sl. no. 16</b>
30.	29	Form II, S.No. 9	The bidder must submit TL9001, BIS, RoHS, CE & FCC certificates as well as E-waste Certificate (EPR authorization from CPCB, Govt. of India) for IT products Bidder must submit a valid Electrical license too. For furniture items, the bidder must submit BIFMA, IGBC, GREEN GUARD, AIOTA and Factory License.	Allow Bidder/ OEM certificates. Exempt from this Electrical License	The certificates have to be obtained from the OEM by bidders and be produced/submitted before bid closure for technical evaluation of the bid. <b>Exemption from Electrical license is not permissible.</b>

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31.	--	--	--	It is requested that IT products and furniture be grouped together in one tender, and the remaining items from this tender be placed in another group under a second tender	<b>Bidder's request is not acceptable.</b>
32.	23	Annexure A S.no. 23	MATLAB Software for Mathematics Computational Lab, ARC High Computational Lab and Physics Department computer Lab.	<ol style="list-style-type: none"> <li>1. Do the needful to ensure M/s E***x S*****s can submit a compliant bid.</li> <li>2. Issue a corrigendum to amend the terms of supply, allowing our authorized partner to quote exclusively for MATLAB component of the tender, instead of all other associated products.</li> </ol>	MATLAB needs to be procured in this bid as the other related systems are being purchased for the sole purpose of running MATLAB. We are already running late in the process and separating a bid solely for MATLAB is not possible at this point of time. Considering the urgency of procurement, make necessary arrangements to allow some authentic, reliable bidders to quote for MATLAB on your behalf.

*Shri Krishna Murari*  
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CET-B.Ed./ AO, WIT  
LNMU, Darbhanga

*ATB*  
ATB  
15/12/2025

Dr. Atanu Banerjee  
ePROC Coordinator  
LNMU, Darbhanga

*Amrit Jha*  
Amrit Jha  
15/12/2025

Mr. Amrit Kr. Jha  
Nodal Officer (PM-USHA)  
LNMU, Darbhanga

*DRH*  
DRH  
15/12/2025

Dr. Divya Rani Hansda  
Registrar  
LNMU, Darbhanga



# Lalit Narayan Mithila University

Kameshwaranagar, Darbhanga- 846008

Ref:.....

Date: \_\_\_\_\_.

e-tender (Reference No.: **LNMU/MERU (PM-USHA)/03/2025**)

## **CORRIGENDUM/ADDITION - 3**

a) With reference to the Tender Reference Number **LNMU/MERU (PM-USHA)/03/2025** for selection of agency for Supply, Installation and Commissioning of High-precision Lab Instruments at L.N. Mithila University, Darbhanga under PM USHA scheme in the state of Bihar, published in leading newspapers and uploaded on the website <http://www.eproc2.bihar.gov> and "<https://www.lnmu.ac.in/>", the following clauses in the tender documents may be read as under:

Sl no	Page No	Clause No	Sub – Clause No	Existing Clause	Revised/Addition - Clause
1.	22	Appendix A	3	UPS for desktop computers	Addition: 600 VA
2.	22	Appendix A	4	Inverter with battery 2KVA with 3 years warranty at least	Addition: 2000 va 24 V Inverter with two 160 ah battery or better
3.	22	Appendix A	6	Microphone Cable	Addition: 5 Meter/16.48 feet
4.	22	Appendix A	7	AUX Cable (High quality 24 AWG)	Addition: 3.5mm to 6.35mm Aux, Cable, 6.35mm 1/4" Male to 3.5mm 1/8" Male TRS Bidirectional Stereo Audio Cable Jack 4FT
5.	22	Appendix A	14	Generator 5KVA Diesel Single Phase	Addition: Power 5 kVA Rating kW 6 kW Phase Single Phase Frequency 50 Hz Fuel Tank Capacity 12.5 L Silent DG Standard warranty.
6.	22	Appendix A	15	Intranet connection with LAN Net Working Line in/c switch, Cable Connection etc for 26 Computer with all necessary accessories.	Revision: Intranet connection with LAN Net Working Line in/c switch, Cable Connection etc for 31 Computer with all necessary accessories. Cat vi cable - as per site, Switch 24 port - 2 pieces, IO set - 30 piece, 15 u rack 1 piece, Patch panel 24 port - 2 pieces, Patch code - 1 m & 3 m as per requirement. Switch should be Certificates FCC/CE/UL/BIS/MTCTE or

					Equivalent Indian Certificate for EMI and Safety Compliance. Active & passive item should be same OEM.
7.	23	Appendix A	22	Printer LaserJet B/W	<p>Addition:</p> <p>Connectivity 1 Hi-Speed USB 2.0; 1 host USB at rear side; Gigabit Ethernet 10/100/1000BASE-T network; 802.3az(EEE)</p> <p>Print speed Black (A4, normal) Up to 40 ppm</p> <p>Monthly duty cycle Up to 80,000 pages A4;</p> <p>Recommended monthly page volume: 750 to 4,000</p> <p>Processor speed 1200 MHz</p> <p>Memory Standard: 256 MB;</p> <p>Maximum: 256 MB</p> <p>Warranty One-year, onsite repair.</p>
8.	23	Appendix A	24	86" Flat Interactive Panel with online UPS for 21 Smart Seminar Classrooms.	<p>Addition:</p> <p>Display Panel Size: 86"</p> <p>Panel Type: TFT LCD IPS Type Module with DLED Backlight</p> <p>Display Area (mm): 1895.04 (H) X 1065.96 (V) (85.6")</p> <p>Aspect Ratio: 16:9</p> <p>Resolution: UHD 3840x2160(Pixels)</p> <p>Colors: 1.07G colors (8-bit + FRC) Brightness: 450 nits</p> <p>Contrast Ratio: 5000:1 (max. with DCR enabled)</p> <p>Response Time: 8ms Viewing Angles: H=178, V=178</p> <p>Backlight Life: 50,000 Hours</p> <p>Surface Treatment: Hardness: 9H</p> <p>Anti-glare coating</p> <p>Orientation: Landscape</p> <p>Platform Processor: Octa-core</p> <p>RAM: 8GB DDR4</p> <p>Storage: 128GB</p> <p>Touch Type/ Tech: Ultra Fine Touch Technology</p> <p>Touch Point: Windows: 40</p> <p>Android: 40</p> <p>INPUT: With OPS window 11 and i5 processor and higher</p> <p>HDMI: x2 (Frontx1:HDMI2.0 with CEC; Rear x1: [HDMI2.0 with CEC/ ARC) x1] RGB / VGA: x1 Audio: x1 RS232: x1</p> <p>SD/SDHC: x1 OPS: x1 (Optional Intel Standard OPS)</p> <p>OUTPUT</p>

					HDMI: x1 Audio: x1 SPDIF: x1 LAN RJ45: x1 USB Type A: USB3.2 Gen1: Front x2 , Rear x2 (all support SmartPort) USB2.0: Rear x1 Type B: USB 2.0:Front x1, Rear x1 Type C: USB 2.0: Front x1 with PD15W SPEAKERS 20W x 2 Embedded OS Android 14 (EDLA) Power Voltage: 100-240V AC Consumption: On: 240W(Normal) ; Off: <0.5W ERGONOMICS Wall Mount: 800*600 OPERATING CONDITIONS Temperature: 0°C to 40°C Humidity: 20% ~ 80% RH non-condensing DIMENSIONS (W x H x D) Physical (inch / mm): 77.1x45.6x3.9(in) / 1957x1159x98.8 (mm) Packaging (inch / mm): 83.1x50.8x7.3(in) / 2110x1291x185(mm) WEIGHT Net (lb / kg): 118.2lb / 53.6 kg Gross (lb / kg): 140.7lb / 63.8kg REGULATIONS: BIS, Energy Star PACKAGE CONTENTS 1. 3m power India power plug x 1 2. 3m HDMI cable x 1 3. 3m Touch USB cable (USB2.0) x 1 4. Touch pen x 2 5. Remote control x 1 6. AAA battery x 2 7. Wifi Dual band antenna*2 8. Quick Start Guide with Compliance statement 9. Screw x 4 (wall mount M8*25mm) Compatible Slot-in PC: VPCF5-W55-G1 / VPCF5-2A/ VPC37-W53-G1 / VPC35-W53-G1.
9.	23	Annexure A	31	Printer with Scanner; Multifunction Laser Jet	Addition: A4 Color Laser Multifunction Printer, Perfect for Business Print, Copy, Scan, Wifi, ADF, Duplex Print speed up to 25 ppm (black) and 25 ppm (color) Scan to email, Scan to PDF, Front USB flash drive port, Touchscreen.
10.	23	Annexure A	33	LAN Network Setup (Switches, Cabling, Etc.) LAN Setup With 1 Gbps Switch And Cabling	Revision: LAN Network Setup (Switches, Cabling, Etc.) LAN Setup With 1 Gbps Switch And Cabling for 40 computer systems.
11.	23-24	Annexure A	46	All-in-one Desktop 13th Generation Intel® Core™ i7-13700 Processor with Sturdy Computer Table with slider rack for keyboard and rack for UPS	Revision: All in one PC: Chassis: PC & Monitor integrated in one Chassis Chipset: Commercial Class Intel® Q670 Chipset Processor: Intel® Core™ i7-13700 with Intel® UHD Graphics , vPro Enabled or Higher Memory: 16 GB DDR4-3200 Memory expandability up to 64 GB with 2 DIMM Slots; Storage: 1 TB PCIe NVMe SSD; Graphics: Intel® UHD Graphics 770; Audio: Integrated audio controller with internal stereo speaker of atleast 2X2W; Operating System: Windows

				<p>(E-cores up to 3.60 GHz P-cores up to 4.90 GHz)</p> <p>Operating System Windows 11 Home Single Language 64</p> <p>Graphic Card Integrated Intel® UHD Graphics for 13th Gen Intel® Processors</p> <p>Memory 16 GB DDR5-5200MT/s (SDIMM)</p> <p>Storage 1 TB SSD M.2 2280 PCIe Gen4 TLC</p> <p>Display 24" QHD (2560 x 1440), IPS, Anti-Glare, Non-Touch, 99% sRGB, 350 nits, 100Hz, 14ms</p> <p>AC Adapter / Power Supply 135W</p>	<p>11 Professional; Networking Integrated Intel® Ethernet I219-T1 Gigabit ethernet; Video: 1 Display Port ,1 HDMI ; Ports USB:2 USB 3.2 Gen 1, 2 USB 3.2 Gen 2, 1 USB Type C 3.2 Gen 2, Slots2 M.2 PCIe for WLAN &amp; Storage, 1 SATA port; Bays 1 Internal Bay</p> <p>Keyboard: Wireless Keyboard, Mouse: Wireless Mouse; Power Supply 120-230 W with 88% average efficiency or better; Security:"Hardware based endpoint security controller TPM 2.0 Integrated Intrusion Sensor; Support for chassis cable lock devices; Drive lock option for HDD to secure Data; Integrated protection from malware that lurks on malicious websites; Integrated real-time detection and prevention of zero-day threats and advanced persistent threat (APT) attacks for Windows applications"; Manageability "Out of band management independent of the power state and operating system state of PC; Integrated utility to enables hardware level testing outside the operating system &amp; Drivers should be available on OEM Website for download</p> <p>Certifications: Microsoft Windows 11, FCC,CE, RoHS, UL, EPEAT, Energy Star, TCO, MIL STD 810H TUV Low Blue Light to protect eyes and preserve vision ISO 9001,14001,20001,27001 for OEM; Display "23.8"" IPS, antiglare with Minimum resolution of 1920x1080, 16:9 aspect ratio,1000:1 Contrast ration, 250 nits brightness, viewing angle of 178/178, Integrated 5 MP RGB webcam with IR sensor, Warranty: 3 Years onsite</p>
12	10	7.1	6	<p>For IT Products: The Bidder should have latest ISO 9001, ISO 14001, ISO 45001, ISO 50001 &amp; ISO 27001 certification of the OEM.</p> <p>For Furnitures: The bidder should have latest ISO 50001, 21015, 21016, 10002 &amp; 24496 certification</p>	<p>For IT Products: The Bidder/OEM should have latest ISO 9001, ISO 14001, ISO 45001, ISO 50001 &amp; ISO 27001 certification of the OEM.</p> <p>For Furnitures: The bidder/OEM should have latest ISO 50001, 21015, 21016, 10002 &amp; 24496 certification</p>
13.	23	Annexure A	25	LED Panel 75" each for Jubilee Hall Auditorium	<p>Addition: LED Panel 75" each for Jubilee Hall Auditorium</p> <p>General Features</p> <p>Screen Size 75"; Brightness (cd/ft<sup>2</sup>) 350; Contrast Ratio 1,200:1; Dynamic Contrast Ratio 400,000:1; Response Time (Gray to gray, Typical, ms) 8; Display Resolution (H x V, pixels) 3840 x 2160; HDR (High Dynamic Range) Compatibility Yes (HDR10, HLG); Aspect Ratio 16:9; Portrait/Tilt Compatibility Yes</p> <p>Display Features</p> <p>Dimming Type Frame Dimming; Display Device LCD; Panel Type IPS; Backlight Type Direct LED; Color Gamut ; DCI-P3) 75%; Picture Processor 4K Processor X1; Operation Time 16/7; Deep Black Non-Glare Coating No; Haze (%) 1%; Viewing Angle (Right/Left) 178 (89/89) degree (CR &gt;10); Viewing Angle (Up/Down) 178 (89/89) ; degree (CR &gt;10)</p> <p>Video Specification</p>

			<p>Video Processing 4K X-Reality PRO; Motion Enhancer Motionflow XR 240 (Native 60Hz); HDMI Signal 4096 x 2160p (24, 50, 60 Hz), 3840 x 2160p (24, 25, 30, 50, 60 Hz), 1080p (30, 50, 60 Hz), 1080/24p, 1080i (50, 60 Hz), 720p (30, 50, 60 Hz), 720/24p, 576p, 576i 480p, 480i</p> <p><b>Audio Specification</b></p> <p>Speaker Position Down Firing; Audio Power Output 10W + 10W;</p> <p><b>Professional Features</b></p> <p>Pro Mode Yes (Simplified); HDMI Auto Wake-Up Yes; Operating System Android TV; On-board Storage (GB) 16GB</p> <p><b>Network Specification</b></p> <p>Wi-Fi Certified Yes; Wireless LAN Integrated</p> <p><b>Convenience Features</b></p> <p>USB Playback Codecs MPEG1: MPEG1/MPEG2 PS: MPEG2/MPEG2 TS (HDV, AVCHD): MPEG2, AVC/MP4 (XAVC S): AVC, MPEG4, HEVC, AV1/AVI: MotionJpeg/ASF (WMV): VC1/MOV: AVC, MPEG4/MKV: AVC, MPEG4, VP8, HEVC/3GPP: MPEG4, AVC/MP3/ASF (WMA)/LPCM/WAV/MP4AAC/FLAC/JPEG; On-screen Clock Yes</p> <p>Sleep Timer Yes; On/Off Timer Yes; Chromecast Built-In Yes; Apple AirPlay Yes; Control Specifications; IP Control Yes; RS-232C Control Yes; HDMI-CEC Yes</p> <p><b>Inputs and Outputs</b></p> <p>HDCP HDCP2.3 (for HDMI1/2/3); Composite Video Input (s) 1(Side, Mini jack); HDMI Inputs Total 3 (3 Side)</p> <p>Analog Audio Input (s) (Total) 1 (Side Analog Conversion); Digital Audio Output (s) 1 (Side);USB Ports 2 (Side); Ethernet Inputs 1 (Side)</p> <p><b>Design Features</b></p> <p>Frame Color Hairline Black; Stand Design No Stand; VESA® Hole Spacing Compatible Yes; VESA® Hole Pitch (W x H) 300 x 300 mm/11 7/8 x 11 7/8 inch</p> <p><b>Environment Specifications</b></p> <p>Rated Power Consumption 315 W; Power Consumption (in Standby) 0.5 W; Dynamic Backlight Control Yes</p> <p>Power Saving Mode Yes</p> <p><b>Measurements</b></p> <p>Dimension of TV without Stand (W x H x D) 1686 x 969 x 72 mm / 66 1/2 x 38 1/4 x 2 7/8 inch; Dimension of Package Carton (W x H x D) 1824 x 1114 x 187 mm / 71 7/8 x 43 7/8 x 7 3/8 inch</p> <p><b>Weight</b></p> <p>Weight of TV without Stand 30.4 kg / 67 lb; Weight of Package Carton (Gross) 45 kg / 99.2 lb</p>
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14.	23	Annexure A	34	Projector And Screen For Demonstrations And Workshops	<p>Addition:</p> <p>Projection Lens: Type:No Optical Zoom / Focus (Manual)Focal Length:16.70 mmF-number:1.44Zoom:1.44 - 1.95 (Wide to Tele) RatioThrow Ratio Range:1.00 – 1.35 (Digital Zoom)</p> <p>Screen Size (Projected Distance): Zoom : Wide:Wide: 30" to 350" [0.87 to 10.34 m]Zoom : Tele:Tele: 22" to 259" [0.87 to 10.34 m]</p> <p>Operating Altitude:0 – 3,048 m &lt;0 – 10,000 ft&gt;</p> <p>Direct Power On/Off:Yes</p> <p>Air Filter: Type:High Efficiency Filter Maintenance Cycle:6,000 / 12,000 hours*2</p> <p>Brightness: Colour Light Output:3,300 lm *1White Light Output:3,300 lm *1</p> <p>Specifications Projector: Lamp Life:Life (Normal / Eco): 6,000 / 12,000 hours Keystone Correction:Horizontal/Vertical: ±30 degrees Projection System:3LCDAspect Ratio:4:3</p> <p>Native Resolution:XGA (1024 x 768) Lamp Type:210 W UHE</p> <p>Light Source:Lamp</p> <p>Start Up Period:Up to 6 seconds, Warm-up Period: 30 seconds</p> <p>Direct Power On / Off:Yes</p>
15.	25	Annexure A	71	Round Table	<p>Addition:</p> <p>Round Table: Diameter = 120cm, height = 75cm, SS base and wooden, engineered wooden round top.</p>
16.	25	Annexure A	72	Ergonomic Chairs	<p>Addition:</p> <p>Ergonomic Chairs: Mid Back/ high back, Ergonomic, Weight Sensing Mechanism, Aluminium Diecast Star Base with Nylon Castors, Multi-Locking Adjustable Backrest, Adjustable 3D Armrest with PU Pad, Moulded Seat Cushion Upholstered in Micro Fabric, Adjustable Lumbar Support, Gas Lift as per BIFMA Class 3, Length = 750, Depth = 740, Height = 990/1080 or more.</p>
17.	22	Annexure A	18	<p>Laptop:</p> <p>Processor</p> <ul style="list-style-type: none"> <li>- Minimum: Intel Core i7-10750H or AMD Ryzen 7 4800H</li> <li>- Recommended: Intel Core i9-11900H or AMD Ryzen 9 5900HX</li> </ul> <p>Memory and Storage</p> <ul style="list-style-type: none"> <li>- RAM: 16 GB DDR4 (32 GB or more recommended)</li> <li>- Storage: 512 GB NVMe SSD (1 TB or more recommended) Graphics Card</li> <li>- Minimum: NVIDIA GeForce GTX 1660 Ti or AMD Radeon RX 560X</li> </ul>	<p>Revision:</p> <p>Laptop: 13th Generation Intel® Core™ i7 processor, Windows 11 Pro, 35.6 cm (14) diagonal FHD IPS display, Intel® UHD Graphics, 16 GB DDR4-3200 RAM, 1 TB SSD Hard Drive, Intel® Core™ i7-1355U (up to 5.0 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads) Ports, 1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 1 USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 2 USB Type-A 5Gbps signaling rate (1 power); 1 AC power; 1 HDMI 2.1; 1 stereo headphone/microphone combo jack; 1 RJ-45.</p>

			<ul style="list-style-type: none"><li>- Recommended: NVIDIA GeForce RTX 3070 or AMD Radeon RX 6800M</li><li>Display</li><ul style="list-style-type: none"><li>- Minimum: 15.6" Full HD (1920x1080) IPS display</li><li>- Recommended: 15.6" 4K (3840x2160) IPS display or OLED display</li></ul><li>Operating System</li><ul style="list-style-type: none"><li>- Recommended: 64-bit Windows 10 or macOS High Sierra (or later)</li></ul><li>Additional Features</li><ul style="list-style-type: none"><li>- Ports: Multiple USB-A, USB-C, HDMI, and SD card slots</li><li>- Cooling System: Dual fans or liquid cooling for optimal temperature management</li><li>- Battery Life: At least 6 hours of battery life for uninterrupted editing</li></ul></ul>	
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- b) All amendments in the RFP, as mentioned above are applicable to the bidders.
- c) All the Prospective Bidders are required to take cognizance of the proceedings of the pre-bid conference before submitting their bids as stipulated in the Bidding Document.
- d) For the above changes, all other terms and conditions in the bid documents remain unaltered.



Dr. Divya Rani Hansda  
Registrar  
LNMU, Darbhanga