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, Installation and Commissioning of High-precision Lab Instruments under PM USHA scheme at Lalit Narayan Mitihla 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 30th 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, Installation and Commissioning of High-precision Lab Instruments 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 Snehi, 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
1	21	Item no. 1	Double beam UV-VIS spectrophotometer The instruments must be an independent system with large display, control keys, on-board software, PC cable, PC software to run the machine easily with or without PC. Optical system Double Beam with 2 detector (split beam or ratio beam will not be considered) Grating stigmatic concave diffraction grating (hologram grating will not be considered) The sample compartment should be with sliding door in rail system to avoid accidental vibration dueto dropping or roughclosing of door. Large LCD display 24 cm or more, larger display preferable Wavelength range 190 to 1100 nm with spectral bandpass 1. 5nm The instruments must be very sensitive with Noise level ± 0.00004Abs or lower. Lower is better. The instruments must be very sensitive with Baseline flatness ± 0.0006 Abs (within 200 to 950 nm) The instrument must be rugged long lasting heavy system built with metal/heavy composite Following software facility should be available without the need of any further license purchase or key Ratio (260 / 280) Working curve type Linear quadratic, polygonal line, K factor input. Calculation of correlation coefficient Kinetic assay Spectrum and working curve printout Peak/valley detection Tracing Scale expansion/contraction Smoothing Differentiation Area calculation	1.The meaning of the text does not understood Should be instrument should have an independent system with large display, control keys, on-board or PC controlled /run by external PC 2. "The specification 'Grating stigmatic concave diffraction grating (hologram grating will not be considered)' appears to target a particular brand. And it is a vague point too. However, it is important to note that modern and more advanced instruments, including those used in fields like astrophysics, frequently utilize holographic gratings. Holographic gratings have many different variations and divisions, and various companies use different types of gratings—each with unique performance and mechanisms—to optimize their instruments. Furthermore, concave diffraction gratings are common in general spectrophotometers anyway, so this point does not serve as a meaningful or unique differentiator for performance. Therefore, the type of grating used is essentially an internal design choice by the manufacturer, aimed at achieving specific performance parameters. This particular line should be considered a product design element, not an instrumental parameter that significantly	1. The machine must have display screen with embedded software to view/calculate the parameters, settings, results, etc. as well as it must have a provision for connecting a PC to do the same functions. Therefore, the PC cable and the associated software should also be under the scope of supply. 2. and 3. The specification mentioned here is as per our basic research need. Bidders are always welcome to quote for equipment with better specification.

			Fundamental arithmetic calculations between spectra Data saving Automatic wavelength calibration Lamp ignition time Light source Deuterium Lamp, Tungsten Iodide Lamp Light source changeover Automatic switchover interlocked with wavelength. 10mm path length quartz cuvette in pair with the system.	affects research results or application scope. It is recommended that this specific line be omitted from the specifications to ensure fair competition and allow for consideration of instruments from a wider range of manufacturers that may offer superior overall performance." 3 The specifications you provided for the UV-Vis Spectrophotometer did not mention any detector, which seems it might be a basic model. If you are looking for a slightly more upgraded version for research purpose the specifications should include a PMT (Photomultiplier Tube) detector for high sensitivity and an expanded wavelength range of 190 nm to 900 nm. This range is recommended because, as has been examined and established globally, reputed brands of PMT detectors typically do not operate effectively above 900 nm. Furthermore, this proposed upgraded model can support various accessories, such as a solid reflectance attachment and an optical fiber probe, One drop accessories etc etc making it a versatile instrument suitable for all university department applications." So please add DETECTOR: PMT And modify the Wavelength range 190 to 900 nm or better with spectral band pass 1.nm or better System should be upgradable with One Drop Measurement Unit For high-speed measurement of micro-volumes of proteins and nucleic acids. 1 mm and 0.2	

				mm path lengths with sample volumes of 5 and 0.6 µL, respectively.	
2.	21	Item no. 2	Spectrophotometer for fluorescence, phosphorescence and luminescence measurements with phosphorescence life time measurement facility. Model should be suitable for cuvette with option for microtitre plate High sensitivity for weak fluorescence samples also Background sensitivity : S/N 20000 or better (RMS) (Raman band of water) and Peak to Peak sensitivity: S/N 1200 or better. Must be with Ozone free 150W Xenon lamp, self-deozonating lamp house with lifetime of 2500 hours (continuous source) or more. The light beam should be horizontal to ensure passing through micro volume samples also without much height alignment issue. Minimum sample volume : 0.6 ml (in use of standard 10 mm rectangular cuvette) Monochromator : Preferably mechanically ruled concave diffraction grating F2.2 or better with aberration correction Photomultiplier tube (PMT) Detector High speed wavelength scan 60,000 nm / min with lower steps setting also Multiple 3D fluorescence measurement spectra, contour plotting, fluorescence finger print analysis facility. Auto Gain to measure upto 6 digit concentration values or better. Sensitivity Selection: Automatic sensitivity measurement function and pre-scan mode. Company should have factory trained engineers. Nearest service centre preferable. All the above specifications should be mentioned in printed literature of the manufacturer.	1. "The specification 'Background sensitivity: S/N 20000 or better' should be omitted, as it denotes a specific brand and moreover 'background sensitivity' is not a universally standardized or major parameter in the fluorescence industry. This term usually refers to the signal-to-noise ratio calculated using the statistically lenient Root Mean Square (RMS) method. While some brands include this high, impressive-looking figure in their literature, many others do not, making it an inconsistent metric across manufacturers. Kindly keep Peak to Peak sensitivity: S/N 1200 or RMS sensitivity 8500:1 or better 2. "The specification mechanically ruled concave diffraction grating F2.2 or better with aberration correction appears to target a particular brand. And it is a vague point too. However, it is important to note that modern and more advanced instruments, including those used in fields like flourometry, astrophysics, frequently utilize holographic gratings. Holographic gratings have many different variations and divisions, and various companies use different types of gratings—each with unique performance and mechanisms—to optimize their instruments. However Holographic gratings are generally considered superior to	We do not pitch for any particular brand; however, the specification may resemble those of some brands. Thus, bidders are free to quote for machines with better specifications from any reputed brand.

				mechanically ruled gratings (even "stigmatic" ones) for modern fluorescence spectrophotometers for three main reasons: 1. Lower Stray Light: Manufactured using lasers for a smooth surface, they drastically reduce stray light and background noise. This directly translates to higher sensitivity for weak or dilute samples. 2. Better Optical Quality: Their design minimizes optical distortions (aberrations), leading to sharper, cleaner, and more accurate data (spectra). 3. Durability: They are chemically etched onto stable substrates, making them more durable and resistant to humidity and temperature changes than mechanical versions, ensuring long-term performance stability. 4. Reputable brands in the field of fluorescence spectrophotometry utilize both holographic gratings and proprietary mechanical gratings. The choice of grating technology is fundamentally a design decision made by the manufacturer to achieve their specific performance targets. Ultimately, whether a company provides a holographic or a mechanical grating does not, in itself, determine the overall quality or 'goodness' of the instrument. High performance can be achieved with either technology through careful optical design.	

				The critical factor for evaluating the instrument's performance should not be the type of grating It is recommended that this specific line be omitted from the specifications to ensure fair competition and allow for consideration of instruments from a wider range of manufacturers that may offer superior overall performance." Please consider the point : Monochromator : mechanically ruled concave grating or Holographic concave grating Please add on : The cut off Cut-Off Filter for High-Order Diffraction Light should be supplied with instruments	
3.	22	Item no. 4	Stereo zoom microscope Microscope Body Greenough system - Manually operable zoom 5:1 (0.8x...4.0x) on both sides or higher - Fixed zoom clickstops 0.8x-1x-2x-3x-4x - Free working distance 110 mm or high - Eyepiece with maximum field number 23 mm or higher - Thread for front optics or analyzer - Integrated Near vertical LED ring illumination Stand base D310xW200xH35 mm - Working surface D195xW160 mm - Interfaces d=84 mm for stages and d=45 mm for TL polarizer - Column 250 mm with drive and handle, lifting range 145 mm - Stemi mount d=76 mm, load capacity 5 Kg, adjustable friction - Built-in LED transillumination brightfield/darkfield, switchable - 2x sockets for IVI and illuminator K LED - Separate RL/TL controls for on/off/dimming - Integrated power unit 12V DC 24W/100...240V AC/50...60Hz Additionally	The word “Stemi “should be omitted as it denotes a particular brand specific model	**Refer to corrigendum 2, Sl.no.. 1**

4.	22	Item no. 5	Multimode Plate-Reader Technical Specifications Instrument should be able to read UV-Vis Absorbance, Fluorescence and Luminescence Should be capable of performing End-point, Kinetic, and Spectral Scanning and Well area scanning assays. It should be able to read 6, 12, 24, 48, 96, 384 well plates without need for any adapters. Also, read Micro-volume (2 μ l) samples at least 16 samples at a time. Also should be capable of measuring standard cuvettes. Should be supplied with the Reader. It should have Linear, Orbital and double shaking feature with temperature control from ambient +4 0 C to 45 0 C with condensetion control mode. Option for speed and duration should be programmable. Wavelength selection with Quadruple grating Monochromator (2 Excitation and 2 Emission Monochromators). Absorbance wavelength range should be selectable from 250 to 999nm selectable in 1nm increments. Fluorescence wavelength should be selectable from 250 to 700 nm selectable in 1nm increments. Light source should be Xenon Lamp having long life with at least 1 billion flashes Detector – Photodiode for Absorbance and PMT for Fluorescence and Luminescence Absorbance range should be from 0 to 4 OD with resolution of 0.0001 OD. Should have pathlength correction feature. It should have both Top and Bottom reading probes for Fluorescence measurements Fluorescence Sensitivity : Fluorescein 2.5 pM (0.25 fmol/well 384 well plate) It should be capable of performing glow Luminescence assay. Luminescence sensitivity : 20 amol ATP	1. Please consider Fluorescence wavelength should be selectable from 350 to 700 nm or better selectable in 1nm increments 2.Country of origin should : USA / Europe/Asia/Australia	1. Wavelength range has been mentioned as per our requirement. 2. Based on the past experience of the subject experts, there is doubt on authenticity and performance of certain Asia built Plate Readers.

			Reading speed - 96 wells -11 sec & 384 wells - in 22 sec Instrument should be CE and TUV Safety Agency marked and RoHS compliant Option for upgradeable on site to include Anisotropy integrated in the same unit for future needs. Also should be able to on site add dual reagent dispenser for fast kinetics and flash fluorescence / Luminescence assays. Option for onsite fluorescence polarization upgradation. Suitable software to perform data analysis and data acquisition platform should be supplied 100-240 V AC 50/60 Hz .130 Watts max Make: USA / Europe Suitable Desktop/ Laptop must be supplied with this instrument		
5.	9	8.1, Sr.5	Experience of working with at least 10 Government agency/ Educational Department / Research Institutions At least 1 supply order to the Education Institution of State Government/ Central Government of India/ reputed Research Institution above Rs. 2 Crores Ongoing projects will also be considered.	Minimum value under the 'Technical Capability' section be revised from 'Rs. 2 Crores' to 'Rs. 1 Crore'	Owing to the estimated bid value, the committee has decided to reduce the Technical Capability of the bidders to Rs. 75 Lakhs, in order to invite wider participation. **Refer to corrigendum 2, Sl.no.. 2.**

15/12/25
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Kameshwaranagar, Darbhanga- 846008

Ref:…….. Date: _____.

e-tender (Reference No.: **LNMU/MERU (PM-USHA)/02/2025**)

CORRIGENDUM/ADDENDUM - 2

a) With reference to the Tender Reference Number **LNMU/MERU (PM-USHA)/02/2025** 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	Annexure A	Item no. 4	Stereo zoom microscope Microscope Body Greenough system - Manually operable zoom 5:1 (0.8x...4.0x) on both sides or higher - Fixed zoom clickstops 0.8x-1x-2x-3x-4x - Free working distance 110 mm or high - Eyepiece with maximum field number 23 mm or higher - Thread for front optics or analyzer - Integrated Near vertical LED ring illumination Stand base D310xW200xH35 mm - Working surface D195xW160 mm - Interfaces d=84 mm for stages and d=45 mm for TL polarizer - Column 250 mm with drive and handle, lifting range 145 mm - Stemi mount d=76 mm, load capacity 5 Kg, adjustable friction - Built-in LED transillumination brightfield/darkfield, switchable - 2x sockets for IVI and illuminator K LED - Separate RL/TL controls for on/off/dimming - Integrated power unit 12V DC 24W/100...240V AC/50...60Hz Additionally	The word "Stemi" stands deleted.
2.	9	8	1, Sr, 5	Experience of working with at least 10 Government agency/ Educational Department / Research Institutions	Revised: Experience of working with at least 10 Government agency/ Educational Department / Research Institutions

				At least 1 supply order to the Education Institution of State Government/ Central Government of India/ reputed Research Institution above Rs. 2 Crores Ongoing projects will also be considered.	At least 1 supply order to the Education Institution of State Government/ Central Government of India/ reputed Research Institution above Rs. 75 Lakhs. Ongoing projects will also be considered.
3	24	Annexure-B Form-II	Sr. 5	Experience of working with at least 10 Government agency/ Educational Department/ Research Institutions At least 1 supply order to the Education Institution of State Government/ Central Government of India/ reputed Research Institution above Rs. 2 Crores. Ongoing projects will also be considered.	Revised: Experience of working with at least 10 Government agency/ Educational Department/ Research Institutions At least 1 supply order to the Education Institution of State Government/ Central Government of India/ reputed Research Institution above Rs. 75 Lakhs. Ongoing projects will also be considered.
4	11	8.2	4	Supply orders to the government colleges/ universities/ Government agency/ Educational Department/ Educational or Research Institutions, funded by State Government/ Central Government of India above Rs. 1.5 crore in each work order.	Revision: Supply orders to the government colleges/ universities/ Government agency/ Educational Department/ Educational or Research Institutions, funded by State Government/ Central Government of India above Rs. 75 lakhs in each work order.
5	26-27	Annexure-B Form-III	4	Supply orders to the government colleges/ universities/ Government agency/ Educational Department/ Educational or Research Institutions, funded by State Government/ Central Government of India above Rs. 2 crores in each work order.	Revision: Supply orders to the government colleges/ universities/ Government agency/ Educational Department/ Educational or Research Institutions, funded by State Government/ Central Government of India above Rs. 75 lakhs in each work order.

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.

15-12-

Dr. Divya Rani Hansda
Registrar
LNMU, Darbhanga