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 of Chemicals, Plasticwares & Glasswares & Supply, Installation and Commissioning of Lab and ancillary equipments 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 Laboratory Chemical, Glassware, Plasticware & Equipment Supply, Installation and Services for its maintenance 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	10	8.1 Sr. 5 Technical Capability	The bidder must have prior experience in supplying laboratory equipment to government colleges/ universities/ Government agency/ Educational Department/ Educational or Research Institutions. As proof of experience, the bidder must submit documents showing supply orders worth at least ₹2 crores in any single work order. Ongoing projects will also be considered.	If a single institution issues 6 order copies of 50 Lakhs each in six order no from one bid in one quarter. So it must be acceptable because some government institution have some specific drawing limits of 50 lakhs they cannot raise more than that in one order copy but they can divide into 50 lakhs each head. So kindly accept its provision already. Kindly add corrigendum.	The single work order should have a value of Rs. 1 crores or more. **Hence, Bidder's request is not accepted. Refer to corrigendum-1, Sl. no. 4**
2.	09	8.1 Sr. 1 Registration Certificate	Bidder should be a Company/ firm registered under the Indian Companies Act (or) a firm registered under the Limited Liability Partnership Act, 2008 (or) a proprietorship firm (or) a firm registered under the Partnership Act, 1932 for the last 3 years.	In this you have demanded shop and establishment in case of proprietorship but shop and establishment only applicable in nagar nigam khetra. So kindly add in corrigendum MSME certrificate its applicable to all.	Any authentic certificate that marks registration of the firm would be equally acceptable. **Thus, refer to corrigendum-1, Sl. no. 1**
3.	30	Item no. 77	Sonicator (Ultrasonic bath) Multiple power settings handle both normal or delicate cleaning Degas mode for improved cleaning efficiency and easy sample prep Timed operation from 1-99 minutes Adjustable heating to 176° F (80℃) for deeper cleaning Frequency Output (Hz)40000 Capacity (Liters)3	Heating temp. is asked to be around 80deg but it can also work in 60deg.	The heating capacity is adjustable. Provision of 80 deg C includes the option of getting 60 deg C. **Hence, Bidder's request is not accepted.**
4.	46	Item no. 362	Lyophilizer Technical Specification · Control panel display in English · Vacuum can be displayed in Pascals · Condenser with uniform and good ice capture function · Acrylic drying Chamber is safe and easy to view sample status	Kindly revise the specification with better specs as the temp of the machine should be around -80 deg. C	**Refer to corrigendum-1, Sl. no. 2.**

			· Small and compact structure , with easy and convenient operation · Vacuum pump with high pumping speed , to reach good final vacuum · Big opening condenser with external coiling tubes, has pre-freezing function if in machine trays · Color LCD touch screen displays running time, display sample temperature, condenser temperature , vacuum level, and save data automatically · Display sample temperature curve, condenser temperature curve and vacuum curve · Condenser, trays, drying shelf and pre-freezing shelf are made of stainless steel 304, anti-corrosion · Stainless steel air inlet valve (drain valve) is safe, anti-corrosion , no leak · With USB port to output freeze drying data, open and view data in Excel format Machine should be with -60 deg.C condenser performance for trouble free capturing of moisture vapour during drying Freezedryer Nett drying area: 0.18 M2 Drying performance/: upto 2.5 litres aqueous material per batch Ice condenser capacity: 3 times of working volume 6kg/24 hours Ultimate vacuum: Less than 10 Pascals Inner trays: 240mm each x 4 numbers Spacing between trays: 70mm Vial loading possibilitieis: 12mm: 1220 pcs, 16mm: 680 pieces, 22mm: 348 pieces in a batch Seamless condenser size: 270 mm dia x 400 mm deep Drying chamber size: 300x460mm Vacuum pump flow rate: 4 litres/second, 14.4 m3/hour Defosting: off cycle defrosting Drying manifold: 10mm thick acrylic with 8 individually control valves to connect		

			Freezedrying flasks Flask: 8 number of flasks should be provided Condeser cooling: Air cooling Dimension of the macine: 630x580x(970+460)mm Power: 1400 Watts, single phase 200V/50Hz type Refrigerant: CFC Free Weight: Around 200kg		
5.	39	Item no. 293	FTIR Instrument FTIR should be High-end advanced PC based system for operation on 220V / 50Hz. FTIR Technical specification: · Full mid-IR wave number range from 7,800cm-1 to 350 cm-1 or better · Michelson's interferometer with 30° incident angle, completely sealed and desiccated optics · frictionless Flexible moving mirror mechanism for smooth moving mirror motion and high quality IR spectra · spectral resolution of 0.9 cm-1 or better. · Signal to Noise Ratio should be 30,000: 1 or higher (4 cm-1 resolution, 1 min scan, around 2,100 cm-1, peak-to-peak). Signal to noise ratio must be achieved without any mask or apodisation. · Germanium coated KBr beam splitter with moisture resistant coatings on surfaces · KRS-5 Window material · Diamond ATR must be supplied with the system. · Must have high intensity long life Ceramic IR source. · Should have DLATGS detector with temperature control · Data sampling should be done by stable He-Ne laser · Following components must be covered under a warranty of 10 years - Light Source, Interferometer, Laser, Detector and Electronic Substrate · Must have built-in validation software conforming to ASTM and European Pharmacopoeia.	1. It should be Michelson's interferometer with 30° incident angle or better as you know. The smaller the incident angle, the better the performance of the FTIR instrument. 2. It is a fundamental scientific principle that optimizing the optical design of an FTIR instrument—specifically by employing a lower incident angle within the Michelson interferometer—will inherently enhance its performance. A superior design naturally leads to an increase in critical performance metrics such as sensitivity and resolution. Maximizing these parameters is essential for an instrument to be classified as a high-quality machine suitable for demanding, high-end research. Conversely, an instrument that fails to optimize these basic optical principles and performance metrics would be considered a basic, entry-level model unsuitable for rigorous scientific applications." Thus according to your given spec the	Provision of better features than the stated specification is always welcome, however, this does not warrant us to change the existing specification. Bidders are free to provide us equipment with better specification.

			· System must be supplied with 64-bit Windows 10 based FTIR software for complete instrument control full data processing including Arithmetic calculations; Dynamic spectral subtraction; Peak detection; Baseline correction; Normalization; Derivatives etc. · Must have advanced data processing capabilities include Full Quantitation; Spectrum search; Private library search; Multi-linear regression; Deconvulation; Kubelka-Munk conversion; Kramer-Kronig Analysis; ATR-correction; JCAMP conversion; ASCII conversion; Contaminant / Foreign Material Analysis Program and Pharma Report Program etc. · Should have built-in atmospheric correction function for automatic elimination of water vapor and CO2 peaks · Should have Automatic accessory recognition (ATR recognition) function with optional Quick-Start accessories · Should have Built-in self diagnostic function for checking, logging and status monitoring of interferometer conditions and key components in the interferometer & sequential display of result · Must have USB interface for PC connectivity · Instrument must withstand humidity of 20-90% with no condensation · Installation & training must be provided · Following must be provided with the main instrument: a) Branded i3 PC with Windows 10 must be supplied along with Main system b) KBr Plain window Demountable Cell with holder. c) Magnetic Film holder d) KBr Pellet Making kit with all accessories.	Modified S/N ratio should be Signal to Noise Ratio should be 47,000: 1 or higher (0.25 cm-1 resolution, 1 min scan, around 2,100 cm- 1, peak-to-peak)	

6.	46	Item no. 362	Lyophilizer Technical Specification · Control panel display in English · Vacuum can be displayed in Pascals · Condenser with uniform and good ice capture function · Acrylic drying Chamber is safe and easy to view sample status · Small and compact structure , with easy and convenient operation · Vacuum pump with high pumping speed , to reach good final vacuum · Big opening condenser with external coiling tubes, has pre-freezing function if in machine trays · Color LCD touch screen displays running time, display sample temperature, condenser temperature , vacuum level, and save data automatically · Display sample temperature curve, condenser temperature curve and vacuum curve · Condenser, trays, drying shelf and pre-freezing shelf are made of stainless steel 304, anti-corrosion · Stainless steel air inlet valve (drain valve) is safe, anti-corrosion , no leak · With USB port to output freeze drying data, open and view data in Excel format Machine should be with -60 deg.C condenser performance for trouble free capturing of moisture vapour during drying Freezedryer Nett drying area: 0.18 M2 Drying performance/: upto 2.5 litres aqueous material per batch Ice condenser capacity: 3 times of working volume 6kg/24 hours Ultimate vacuum: Less than 10 Pascals Inner trays: 240mm each x 4 numbers Spacing between trays: 70mm	According to your specification it seems that your sample is aqueous material For any organic solvents,, it is quite evident that-80'C Condenser temperature is enough for freeze drying organic solvents, provided you use a high vacuum oil pump with oil mist filter. Most of the key players like THERMO,,BUCHI,EYELA all use -80'C Temp. condenser to freeze dry organic solvent. Lyophilization requires a vacuum pump with ultimate vacuum in the fine vacuum range (1 to 10^{-3} mbar). To prevent the samples from melting in the meantime during primary drying, it is essential to quickly lower the pressure to the target pressure. For this, the pump requires a high pumping speed. The lowest possible ultimate vacuum is crucial for residual drying. -110 deg C is a gimmick which is made by typically one or two brands Please change upto -80 deg c if you want for organic sample	**Refer to Corrigendum-1, Sl. no. 2**

			Vial loading possibilitieis: 12mm: 1220 pcs, 16mm: 680 pieces, 22mm: 348 pieces in a batch Seamless condenser size: 270 mm dia x 400 mm deep Drying chamber size: 300x460mm Vacuum pump flow rate: 4 litres/second, 14.4 m3/hour Defosting: off cycle defrosting Drying manifold: 10mm thick acrylic with 8 individually control valves to connect Freezedrying flasks Flask: 8 number of flasks should be provided Condeser cooling: Air cooling Dimension of the macine: 630x580x(970+460)mm Power: 1400 Watts, single phase 200V/50Hz type Refrigerant: CFC Free Weight: Around 200kg		
7.	46	Item no. 362	Lyophilizer Technical Specification · Control panel display in English · Vacuum can be displayed in Pascals · Condenser with uniform and good ice capture function · Acrylic drying Chamber is safe and easy to view sample status · Small and compact structure , with easy and convenient operation · Vacuum pump with high pumping speed , to reach good final vacuum · Big opening condenser with external coiling tubes, has pre-freezing function if in machine trays · Color LCD touch screen displays running time, display sample temperature, condenser temperature , vacuum level, and save data automatically · Display sample temperature curve, condenser temperature curve and vacuum curve · Condenser, trays, drying shelf and pre-freezing shelf are made of stainless steel 304, anti-corrosion	Please revise the required condenser performance from -60 deg.C to -110 deg.C	**Refer to Corrigendum-1, Sl. no. 2**

			· Stainless steel air inlet valve (drain valve) is safe, anti-corrosion , no leak · With USB port to output freeze drying data, open and view data in Excel format Machine should be with -60 deg.C condenser performance for trouble free capturing of moisture vapour during drying Freezedryer Nett drying area: 0.18 M2 Drying performance/: upto 2.5 litres aqueous material per batch Ice condenser capacity: 3 times of working volume 6kg/24 hours Ultimate vacuum: Less than 10 Pascals Inner trays: 240mm each x 4 numbers Spacing between trays: 70mm Vial loading possibilitieis: 12mm: 1220 pcs, 16mm: 680 pieces, 22mm: 348 pieces in a batch Seamless condenser size: 270 mm dia x 400 mm deep Drying chamber size: 300x460mm Vacuum pump flow rate: 4 litres/second, 14.4 m3/hour Defosting: off cycle defrosting Drying manifold: 10mm thick acrylic with 8 individually control valves to connect Freezedrying flasks Flask: 8 number of flasks should be provided Condeser cooling: Air cooling Dimension of the macine: 630x580x(970+460)mm Power: 1400 Watts, single phase 200V/50Hz type Refrigerant: CFC Free Weight: Around 200kg		
8.	41	Item no. 306	Probe Sonicator -Ultrasonic Processor Capacity: 0.5 – 1200ml Probe Size: 12 mm Detachable type made of Titanium Alloy Ultrasonic Power: 1000 W Frequency (KHz): 20 – 25 KHz	Kindly recheck the ultrasonic watt ..1000 W is too much for any chemistry, zoology, botany, microbiology lab. 250 or 500W is more than sufficient Probe capacity should be 6 mm, 25 mm For 2 ml – 500	**Refer to Corrigendum-1, Sl. no. 3**

			Timer: Cyclic ON / OFF Power Supply: AC 230, 50 Hz/60 Hz CE & ISO 9001: 2015 Certified Micro Based, processer, Digital (TFT) Display		
9.	---	---	---	---	Certain more corrections/ additions are recommended by the committee.

15/12/25

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

15/12/2025

Dr. Atanu Banerjee
ePROC Coordinator
LNMU, Darbhanga

15.12.25

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

15.12.25

Dr. Divya Rani Hansda
Registrar
LNMU, Darbhanga

Lalit Narayan Mithila University

Kameshwaranagar, Darbhanga- 846008

Ref:…….. Date: _____.

e-tender (Reference No.: **LNMU/MERU (PM-USHA)/01/2025**)

CORRIGENDUM/ADDENDUM - 1

a) With reference to the Tender Reference Number **LNMU/MERU (PM-USHA)/01/2025** for selection of agency for Laboratory Chemical, Glassware, Plasticware & Equipment Supply, Installation and Services for its maintenance 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	9	8	8.1 Sr.1	Bidder should be a Company/ firm registered under the Indian Companies Act (or) a firm registered under the Limited Liability Partnership Act, 2008 (or) a proprietorship firm (or) a firm registered under the Partnership Act, 1932 for the last 3 years.	Deletion: "for the last 3 years" stands deleted Addition: OR should have trade license/ registration from Shop and Establishment Act/MSME.
2.	46	Annexure A	Item no. 362	Machine should be with -60 deg.C condenser performance for trouble free capturing of moisture vapour during drying	Revised: Machine should be with -100 deg.C or better condenser performance for trouble free capturing of moisture vapour during drying
3	41	Annexure-A	Item no. 306	Probe Sonicator -Ultrasonic Processor Capacity: 0.5 – 1200ml Probe Size: 12 mm Detachable type made of Titanium Alloy Ultrasonic Power: 1000 W Frequency (KHz): 20 – 25 KHz Timer: Cyclic ON / OFF Power Supply: AC 230, 50 Hz/60 Hz CE & ISO 9001: 2015 Certified	Revised: Probe Sonicator -Ultrasonic Processor Capacity: 0.5 – 1200ml Probe Size: 12 mm Detachable type made of Titanium Alloy with 6mm and 25mm probes as accessories Ultrasonic Power: 1000W Frequency (KHz): 20 – 25 KHz Timer: Cyclic ON / OFF

				Micro Based, processer, Digital (TFT) Display	Power Supply: AC 230, 50 Hz/60 Hz CE & ISO 9001: 2015 Certified Micro Based, processer, Digital (TFT) Display
4	10	8.1	5	The bidder must have prior experience in supplying laboratory equipment to government colleges/ universities/ Government agency/ Educational Department/ Educational or Research Institutions. As proof of experience, the bidder must submit documents showing supply orders worth at least ₹2 crores in any single work order. Ongoing projects will also be considered.	Revision: The bidder must have prior experience in supplying laboratory equipment to government colleges/ universities/ Government agency/ Educational Department/ Educational or Research Institutions. As proof of experience, the bidder must submit documents showing supply orders worth at least ₹1 crores in any single work order. Ongoing projects will also be considered.
5	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. 2 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. 1 Crore in each work order.
6	28	Annexure A	57	Pipette Material: Borosilicate Glass	Addition: Volume: 25ml (Graduated)
7	22	Annexure A	26	Autoclave Teflon lined hydrothermal SHILPENT max operating temperature 220 $^{\circ}$ C, Warranty: 12 Months, Working Pressure Range: $\leq$ 3MPA or 30Bar, Heating and Cooling Rate: $\leq$ 5 Degree C/min Material: Shell made of high quality stainless steel (SS) 316 Inner PTFE (Teflon Liner) Chamber	Addition: Capacity – 250 ml
8	29	Annexure A	70	Autoclave Teflon lined hydrothermal SHILPENT max operating temperature 220 $^{\circ}$ C, Warranty: 12 Months, Working Pressure Range: $\leq$ 3MPA or 30Bar, Heating and Cooling Rate: $\leq$ 5 Degree C/min Material: Shell made of high quality stainless steel (SS) 316 Inner PTFE (Teflon Liner) Chamber	Revision: The item in this serial number stands deleted.

Date:-

9	49	Form II	5	The bidder must have prior experience in supplying laboratory equipment to government colleges/ universities/ Government agency/ Educational Department/ Educational or Research Institutions. As proof of experience, the bidder must submit documents showing supply orders worth at least ₹2 crores in any single work order. Ongoing projects will also be considered.	Revision: The bidder must have prior experience in supplying laboratory equipment to government colleges/ universities/ Government agency/ Educational Department/ Educational or Research Institutions. As proof of experience, the bidder must submit documents showing supply orders worth at least ₹1 crore in any single work order. Ongoing projects will also be considered.
10.	51	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 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. 1 Crore 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.

15-12-25

Dr. Divya Rani Hansda
Registrar
LNMU, Darbhanga