



DEPARTMENT OF BOTANY
MOHANLAL SUKHADIA UNIVERSITY, UDAIPUR

Email: rusabotany@gmail.com

F.MLSU/BOT/RUSA/2022-23/12

Dated: 14-03-2023

PRE BID MEETING-CORRIGENDUM

***Consequent to Pre-bid meeting held on 09.03.2023, as provisioned in NIT No F.MLSU/BOT/RUSA/2022-23/11 Date: 22-03-2023 inviting " Department of Botany MLSU, Udaipur" suggestions and / or clarifications raised by prospective bidders were considered at appropriate level. The Competent Authority, hereby, approves the following Corrigendum in the respective provision of the above-mentioned tender:

The grievances and inputs received from vendors were discussed in detail by the committee members. After due consideration the committee recommends the Corrigendum to floated online for consideration of bidders. The bidders are advised to take into account the aforesaid amendments before submission of their bids against this tender. This corrigendum will form integral part of tender and will be submitted duly signed and stamped along with bids. All other specifications and terms and conditions of the tender shall remain unchanged.

CORRIGENDUM -01
CRITICAL DATE SHEET.

Tender No/NIT no.	F.MLSU/BOT/RUSA/2022-23/11 (All Tender of NIT) Dated: 22-02-2023
Date for issue E-Bid	22-02-2023
Date & Time Publishing	23-02-2023 (11:00 AM)
Document Downloads/ Sale Start Date & Time	23-02-2023 (11:00 AM)
Website for Downloading Bid Documents	https://eproc.rajasthan.gov.in
Bid Submission Start Date & Time	23-02-2023 (11:00 AM)
Bid Submission End Date & Time	20-03-2023 (06:00 PM)
Date & Time for Opening of Bids	21-03-2023 (03:00 PM)
Date & Time for Pre Bid Meeting	09-03-2023 (01:00PM) Offline Mode At Department of Botany Mohanlal Sukhadia University, Udaipur (Rajasthan) Email ID: rusabotany@gmail.com
Address for Communication	Department of Botany Mohanlal Sukhadia University, Udaipur (Rajasthan) Email ID: rusabotany@gmail.com

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CORRIGENDUM-02
E BID NO.-MLSU/BOT/RUSA/DSK/2022-23/31 Dated: 22-02-2023
TECHNICAL SPECIFICATIONS

S. No.	Name of Article: Procurement of Supply, Installation and Commissioning of “High Speed Centrifuge ” (Quantity: 1 Unit)
1.	<p>Specification : High Speed Centrifuge</p> <ul style="list-style-type: none">• Microprocessor controlled High Speed Tabletop Refrigerated centrifuge• CE, ISO Certified and ROSH compliance, international standard brand quality centrifuge• Drive : Zero maintenance brushless drive• Speed range: Minimum 200 rpm or better to 26,000 rpm or more, RCF 60,000 x g or more with fixed angle.• Noise level: 65 decibel or less at maximum speed• Capacity: Minimum 550 ml or more with Fixed Angle Rotor• Rotor capability :• Angle Rotor 6x30ml or more• Angle Rotor 6x50ml or more• Swing out rotor 4x100 ml or more• Refrigeration: CFC free, Cooling Temp. - 20 °C to +40°C, Pre-cooling facility with standstill and Rapid cooling program.• Display: Large size TFT/LCD/LED display, Set & run parameters, 10 or more acceleration and deceleration curves, Programs \geq 50• Run Time: Run time up to 90 hrs or more , continuous run, Start delay option, Short run function with display of run time in seconds• Safety: Auto Rotor Identification, Automatic imbalance monitoring, Self-diagnostic error messages, Motorized lid lock, Emergency lid lock releasing facility, Rotor life monitoring for a high degree of safety etc.• Centrifuge must be supplied with following Rotors (Metal Body)• Bio safe Angle Rotor 24x2ml or more rpm $>$ 20,000 & RCF 40000xg or better Bio safe Angle Rotor 6x50ml conical bottom tubes, adaptor for 15ml tube, (\geq21000 rpm or more & RCF 41000xg or better.• Rotors can be autoclaved for 30 minutes at 121°C• Warranty: One year <p>Specifications should be supported by technical documents.</p> <ul style="list-style-type: none">• All specification must be in Boucher

. Technical Specification Suggest by Technical & Purchase Committee as per requirement of Equipment RUSA-MHRD funded Research project Sanction to Department of Botany, MLSU, Udaipur Rajasthan.

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CORRIGENDUM -03
E BID NO.-MLSU/BOT/RUSA/ENT/2022-23/08 Dated: 22-02-2023
TECHNICAL SPECIFICATIONS

S. No.	Name of Article: Procurement of Supply, Installation and Commissioning of “ Ultra Pure Water Purification System ” (Quantity: 1 Unit)
1.	Specification : <u>Ultra Pure Water Purification System</u> <ul style="list-style-type: none">• Single Integrated System should be capable of producing Pure and Ultrapure water directly from tap water daily volume of nearly 30 Lit or better for HPLC and molecular biology application.• System must be supplied with 5 & 1 μ pre filtration with Inbuilt Booster pump from same manufacturer• Inbuilt Pretreatment cartridge should contain anti scaling compound, activated carbon and 0.5 μ filters.• RO Pump with temperature independent RO product Flow rate as constant at any temperature. RO product flow rate must be minimum 6 Lit/hr or better• UV lamp 254 nm to remove germicidal effect before entering the water to the tank• Cylindrical PE reservoir with a minimum 40-liter or better capacity having auto cut off Tank level sensor.• Dual wavelength UV lamp: Low pressure mercury vapor lamp made of ultrapure quartz with dual wavelength (185 and 254 nm).• Polishing cartridge: Mixture of ion exchange resin, synthetic activated carbon with Application specific options.• The Final filter must have option of Volatile Organic Compound free water, LC-MS grade water, EDS free water• System must maintain below value online: provides clear readout of water quality, system component status, performance of the polishing module. Performance of the deionization and polishing modules is constantly monitored. Water quality sensor, Feed water conductivity, RO feed water conductivity, RO product conductivity, low feed water alarm, cartridge replacement procedure, Product water Resistivity, Total Organic Carbon measurement should be within the acceptable range with Self-Calibration option.• In case of Low feed pressure & No feed water situation, the system should auto stop with an alarm to save dry run of RO Pump & Type 1 water Distribution Pump.

- RFID or data storage facility within the system
 - Appropriate sized storage tank
 - **Ultra Pure (Type I) water:**
 Ultrapure Water (Type 1) Flow Rate (L/min)...0.05 to 2(Programmable flow rate) or better
 Daily volume Type 1 water.....approx 20 Lit/day or better
 Ultrapure Water Resistivity (MΩ·cm at 25°C).....18.2
 Microorganisms (cfu/mL).....< 1 or better
 Particles> 0.22 μm..... < 1/ml or better
 Pyrogens (endotoxins).....< 0.001 EU/ml (pyrogen-free) or better
 RNases..... < 0.01 ng/ml (RNase-free) or better
 DNases..... < 4 pg/μl (DNase-free) or better
 Automatic dispense volume:100 ml – 40 Lit or better
 Volumetric dispense accuracyup to 3% for volumes or better.
 - TOC level<2ppb
 - Pure water Quality- 10-15MΩ·cm or better
- All the cartridges (RO pretreatment & Polishing)–extra set should be provided.

Terms and conditions

- Three Years Warranty on complete unit including all accessories, consumables and spare parts has to be provided.
- All the requirements laid down under the above specifications must carefully read and understood before claiming your instrument as “complied”.
- Please provide compliance statement sheet with technical bid and if there is any deviation in above mentioned specifications should be clearly highlighted in remarks.
- User list should be attached along with literature.
- Vendor Should Quote in INR up to University Prices.

. Technical Specification Sagest by Technical & Purchase Committee as per requirement of Equipment RUSA-MHRD funded Research project Sanction to Department of Botany, MLSU, Udaipur Rajasthan.

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