

TRIPURA UNIVERSITY

(A Central University)

Suryamaninagar

Tripura West – 799022

No.: F.TU/FIN(460)/(P)/2023-24

Dated: 14/11/2025

LIMITED TENDER ENQUIRY (LTE) NOTICE

Sealed Quotations are hereby invited from the bonafide dealers/suppliers/manufacturers for supply and installation of the following items required for the Bioreactor for the *DST Rapidex Project under Prof. Shaon Ray Chaudhuri*, Department of Microbiology, Tripura University.

The said Quotations must be submitted in sealed cover super scribed “**Limited Tender for Supply of Components for Bioreactor for *DST Rapidex Project under Prof. Shaon Ray Chaudhuri***” on or before 27/11/2025, up to 3:00 PM.

Details of the same are available on Tripura University website: www.tripurauniv.ac.in.

Sd/-

**Assistant Registrar & DDO
Tripura University**

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Sl. No.	Description of Item	Qty.	Unit	Remarks
01	Water Purification System (RO & DI Type) — 15 LPH Capacity with 15L Storage Tank, Automatic Control, and TDS/Resistivity Monitoring	1	Nos.	Technical specification enclosed at Annexure-I
02	Intelligent Peristaltic Pump (Programmable Dispensing Type with LCD Display and Computer Communication Interface)	1	Nos.	Technical specification enclosed at Annexure-I
03	Kjeldahl Digestion and Distillation Unit with Scrubber	1	Nos.	Technical specification enclosed at Annexure-I

Terms and Conditions:

1. The suppliers must be registered firms and experienced in supplying scientific/laboratory equipment.
2. The bidder should quote the rate in Indian Currency i.e. INR and such rates are FOR destination basis i.e. at the site of Tripura University, Suryamaninagar-799022 and to be quoted in prescribed format in Annexure -II **inclusive of all applicable taxes**, transportation, and installation charges. Rate quoted in any other format other than mentioned in Annexure-II shall not be considered for evaluation.
3. The delivery period should not exceed 10 days from the date of purchase order.
4. The firm should provide warranty/guarantee for a minimum of one year from the date of installation.
5. 95% Payment will be made after completion of satisfactory delivery and installation and 5% will be retain as contract performance guarantee and the same will be released after completion of warranty period.
6. The University reserves the right to accept or reject any quotation without assigning any reason thereof.
7. Quotations must be submitted in sealed cover super scribed "**Limited Tender for Supply of Components for Bioreactor for DST Rapidex Project under Prof. Shaon Ray Chaudhuri**" to the Quotation Box available in the **Project Section, Tripura University, Suryamaninagar-799022** on or before 27/11/2025, up to 3:00 PM. Quotations received after the stipulated date and time shall not be entertained under any circumstances.



8. The quotations will be opened at 4:00 PM on the same day in the presence of the bidders or their authorized representatives. In case of any unavoidable circumstances Quotations will be open in next working day in same time and same place.

Address for Submission:

To
Project Section, Finance Branch
Tripura University (A Central University)
Suryamaninagar – 799022, Tripura (West)

Enclosures:

Annexure-I: Technical Specifications of Items
Annexure-II: Format for Price Bid
Annexure-III: Supplier Registration / GST / PAN details

By Order



Name: Pranay Pal
Designation: Assistant Registrar & DDO
Department: Finance Branch
Contact No.: 9831034236

(PRANAY PAL)
Assistant Registrar & DDO
Tripura University
Suryamaninagar-799022

Technical Specifications of Items

Sl. No.	Name of the Item	Qty.#	Specification
01	Water Purification System (RO & DI Type) — 15 LPH Capacity with 15L Storage Tank, Automatic Control, and TDS/Resistivity Monitoring	01	➤ Standard Configuration: Main body (include 1 set cartridge), 15 L water tank, TDS Meter, LCD display ➤ Water Output Type: RO and DI water ➤ Water Output Speed: 15L/H ➤ Purifying Procedure: PF+AC+RO+DI ➤ Purification system: Pre-treatment unit consisting of a 5 µm PP deep filter, two special activated carbon filters, one 200 GPD RO membrane, and three deionization purification columns. ➤ Feed water requirement: Tap water: TDS<200ppm, 5-45°C, 1.0-4.0Kgf/cm² (if inlet TDS>200ppm, extra pre-treatment is recommended) ➤ Pure water Quality: Desalination Rate: >99% TDS: RO water: 5-10 ppm* Resistivity: 15-18.2MΩ.cm Conductivity : 0.067-0.055µs/cm ➤ Control System: Automatic Electronic pressure sensor controlling, RO membrane auto flushing Automatic stop when water supply is shortage Automatic stop when tank is fully Automatic cutting off when water pump stops 24 non-stop work ➤ Water Quality Monitor: TDS, Online resistivity Monitor ➤ Energy Consumption: 48W ➤ Flow Rate: 2.0 L/min (when there is water in the water tank) ➤ Additional Spare, if any: Folding composite filter (PC-PA-S), 100 GPD RO membrane (RO-100GPD)
02	Intelligent Peristaltic Pump (Programmable Dispensing Type with LCD Display and Computer Communication Interface)	01	➤ Direction control, reverse direction. ➤ With fast cleaning, emptying function, back suction function, prevent liquid dripping. ➤ LCD display. ➤ The function of communicating with the upper computer or computer. ➤ Distribution function includes distribution liquid quantity, distribution times, time interval and other functions. ➤ Automatic storage of various user parameters. ➤ Can be calibrated for flow and distribution fluid volume to improve accuracy. ➤ Forced air cooling heat dissipation, to ensure the normal use of products. ➤ Speed Range: 0.1~100rpm ➤ Speed Resolution: 0.1rpm ➤ Flow Range: 0.16µL/min~500mL/min ➤ Dispensed Fluid Volume: 0.01mL~9.99L ➤ Dispensed Number: 0~9999 ➤ Dispensing Interval Time: 0.1s~99.9min ➤ Suction Back Time: 0~99.9s

			➤ External Control Input: 4~20Ma, 0~5V, 0~10V, 0~10KHz flow control, forward and reverse, start and stop control ➤ External Control Output: Start/stop, direction signal, speed signal ➤ Power Supply: 90~264V, 50Hz/60Hz; Power: <40W ➤ Working Condition: Ambient Temperature: 0~40°C; Relative Humidity: <80%
03	Kjeldahl Digestion and Distillation Unit with Scrubber		➤ Equipped with a heating mantle (temperature range: ambient to 380°C or higher). ➤ Uses specialized borosilicate glass flasks for initial decomposition. ➤ Six-test unit, mantle-type heating system. ➤ Capable of nitrogen measurement in the range of 0.2 to 200 mg N. ➤ Includes condenser and receiving conical flasks for distillate collection. ➤ Features automatic operation with: ➤ Programmable reagent addition ➤ Safety interlocks (door sensors) ➤ Digital display ➤ Throughput capacity: 35–45 ml/min distillate. ➤ Includes reagent reservoir capacities. ➤ Six-test unit with mantle-type heating device and glass parts. ➤ Provided for handling and neutralizing fumes generated during operation.

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Format of Price Bid

Sl. No.	Name of the Item	Qty [#]	Specification	Rate (INR) ^{##}	Total Amt. (Rs.)
01	Water Purification System (RO & DI Type) — 15 LPH Capacity with 15L Storage Tank, Automatic Control, and TDS/Resistivity Monitoring	01	➤ Standard Configuration: Main body (include 1 set cartridge), 15 L water tank, TDS Meter, LCD display ➤ Water Output Type: RO and DI water ➤ Water Output Speed: 15L/H ➤ Purifying Procedure: PF+AC+RO+DI ➤ Purification system: Pre-treatment unit consisting of a 5 µm PP deep filter, two special activated carbon filters, one 200 GPD RO membrane, and three deionization purification columns. ➤ Feed water requirement: Tap water: TDS<200ppm, 5-45°C, 1.0-4.0Kgf/cm² (if inlet TDS>200ppm, extra pre-treatment is recommended) ➤ Pure water Quality: Desalination Rate: >99% TDS: RO water: 5-10 ppm* Resistivity: 15-18.2MΩ.cm Conductivity :0.067-0.055µs/cm ➤ Control System: Automatic Electronic pressure sensor controlling, RO membrane auto flushing Automatic stop when water supply is shortage Automatic stop when tank is fully Automatic cutting off when water pump stops 24 non-stop work ➤ Water Quality Monitor: TDS, Online resistivity Monitor ➤ Energy Consumption: 48W ➤ Flow Rate: 2.0 L/min (when there is water in the water tank) ➤ Additional Spare, if any: Folding composite filter (PC-PA-S), 100 GPD RO membrane (RO-100GPD)		
02	Intelligent Peristaltic Pump (Programmable Dispensing Type with LCD Display and Computer Communication Interface)	01	➤ Direction control, reverse direction. ➤ With fast cleaning, emptying function, back suction function, prevent liquid dripping. ➤ LCD display. ➤ The function of communicating with the upper computer or computer. ➤ Distribution function includes distribution liquid quantity, distribution times, time interval and other functions.		



			➤ Automatic storage of various user parameters. ➤ Can be calibrated for flow and distribution fluid volume to improve accuracy. ➤ Forced air cooling heat dissipation, to ensure the normal use of products. ➤ Speed Range: 0.1~100rpm ➤ Speed Resolution: 0.1rpm ➤ Flow Range: 0.16μL/min~500mL/min ➤ Dispensed Fluid Volume: 0.01mL~9.99L ➤ Dispensed Number: 0~9999 ➤ Dispensing Interval Time: 0.1s~99.9min ➤ Suction Back Time: 0~99.9s ➤ External Control Input: 4~20Ma, 0~5V, 0~10V, 0~10KHz flow control, forward and reverse, start and stop control ➤ External Control Output: Start/stop, direction signal, speed signal ➤ Power Supply: 90~264V, 50Hz/60Hz; Power: <40W ➤ Working Condition: Ambient Temperature: 0~40°C; Relative Humidity: <80%		
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Quantity may increase or decrease as per requirement of Tripura University.

We hereby declare that we have gone through the whole LTE document and understood all the terms and conditions without any sort of ambiguity. Therefore, we are submitting our best offer in response


14.11.2025

to the **Limited Tender Enquiry (LTE) Notice** vide No.
dated Quoting the rate mentioned above and binds ourselves to complete the work if
awarded.

Signature:

Name of Bidder:

Address:

Ph.:

Email:

Date:

Supplier Registration / GST / PAN details

Sl. No.	Particulars	
1	Name of Firm / Bidder	
2	Photocopy of Registration Certificate or Dealership Certificate.	
2	Office address of the Firm/Bidder in details with telephone No., Mobile No., Fax No., and name of authorised person	
3	PAN Card and GST Registration Certificate (self-attested copies be submitted)	
4	Details of Local Service Centre with Mobile number, Address and Email id	

Signature of bidder.....

Name of the bidder.....

Full address with mobile number and email