



तेजपुर विश्वविद्यालय / TEZPUR UNIVERSITY

(संसद के अधिनियम द्वारा स्थापित केंद्रीय विश्वविद्यालय)

(A Central University established by an Act of Parliament)

कुल सचिव का कार्यालय/ OFFICE OF THE REGISTRAR

नयाम :: तेजपुर - 784028 :: असम

NAPAAM :: TEZPUR - 784028 :: ASSAM

SHORT QUOTATION NOTICE

TU/11-24/Pur/Qtn/2016/580-A.dated 20.05.2016

Sealed quotations are invited from reputed manufacturers/authorized dealers/vendors for supply, installation & commissioning of following equipment required for the DBT Project of Dr. S.C.Deka, Department of Food Engineering Technology, Tezpur University.

TECHNICAL SPECIFICATIONS FOR INSTRUMENTS TO BE PROCURED

(1) Sonicator

1. Frequency 20kHz
2. 0 to 72 h timer
3. Pulse mode: 1 sec to 24 h
4. Digital Amplitude control from 1-100%
5. 1/4" Micro tip probe , volume:5-50ml
6. 1/16" Micro tip probe , volume:0.2-5ml
7. 1/2" Solid tip probe, volume:20-250ml
8. 10 ml cooling cell with cooling jacket
9. Original sound enclosure from machine supplier
10. Temperature probe
11. Adjustable height for sample holder.

(2) Microwave Extraction System

1. Chassis walls must be constructed from stainless steel unit, visual control of process is desirable.
2. Built-in colour display with back light LED.
3. Documentation in terms of: temperature and power profiles, total and elapsed time.
4. Operator chosen Temperature–Time or Power–Time programs.
5. 0 to 900 W with 10 W increments.
6. Equipped with magnetic stirrer.
7. Safety micro switches for accidental door opening.
8. Microwave power of minimum 400W or higher.
9. Maximum pressure & temperature :20 bar and 250°C for all vessel types
10. Ability to effectively heat polar as well as non-polar solvents
11. IR temperature measurements.
12. Integrated pressure sensor
13. Suitable air compressor for operation of the instrument and cooling of reaction vials
14. Control of temperature of all vessels in each batch to the maximum.
15. Vessels must be able to be individually loaded and removed from the microwave.
16. Solvent detection monitoring system.
17. Device to protect the magnetron from back-reflected energy.

3) Plate Reader

1. System should have luminescence, fluorescence, visible absorbance measurement capabilities.
2. Dual injectors with dispense volume range of 5-200µl in 1µl increment. Compatible with 6,12,24,48 and 96 well plates.
3. Filter-based microplate reader for fluorescence intensity applications.
4. Should be compatible to handle 6 to 384 well plates.
5. Should allow fluorescence intensity readings from top and bottom.
6. Should have sample plate shaking in linear / orbital mode with selection amplitude ranges 1 – 6 mm, with 0.5 mm increment.
7. Should be capable to perform kinetic assays, with temperature ranges from ambient +5°C to 42°C along with shaking option.
8. Must allow to perform multiple readings per well in user-selected positions.
9. Should have fluorescence filter slide to perform high-throughput fluorescence applications.



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10. Software should allow user-preferred options to set manual gain, automatic optimal gain.

GENERAL TERMS & CONDITIONS:

1. No separate tender paper will be issued from the office; one should only download the specifications/List from the website.
2. **The rates should be preferably quoted in Indian Rupee and FOR Tezpur University, Napaam basis. Charges for clearing and transportation should be incurred by the supplier.**
3. *Quotations should be accompanied by i) An EMD (in the form of Demand Draft/Call Deposit/TDR) of ₹. 5,000/- (Rupees Five Thousand) only drawn/pledged in favor of Registrar, Tezpur University, payable at Tezpur. **No request for consideration of earlier deposited EMD will be considered.** ii) A non refundable application (quotation) fee of ₹.1000.00 (Rupees One Thousand) only have to be paid only by Demand Draft drawn in favour of Registrar, Tezpur University payable at Tezpur.*
4. The rates should be exclusive of taxes and applicable tax % should be clearly indicated.
5. Quoted rates should be valid at least for a period of 01 year.
6. The rates should be quoted along with supporting documents of specifications and technical features and list of users.
7. The system must be installed at the laboratory, and after installation a basic training must also be provided by the supplier or their Indian counterpart without any additional costs.
8. All the quotations must be accompanied with supporting documents and / or literature.
9. Demonstration may be sought from the vendors for authentication of quoted specification.
10. Details of availability of after sales support will have to be furnished. After sales support directly from manufacturer and from Assam (Guwahati / Tezpur) will be preferred.
11. The University is exempted from paying Custom and Excise duty.
12. Proprietary items should be quoted with sole Manufacturer/Distributorship certificate.
13. Warranty/Gurantee period should be specifically mentioned in the quotation.
14. No Advance payment will be made. However, for foreign supplier, advance payment will be made either by FDD/Wire Transfer/LC. In such cases 10% Performance Bank Guarantee should be submitted before issuing FDD/Wire Transfer/LC, covering the warranty period.
15. Performance Bank Guarantee also has to be submitted for Major equipments of Indian origin, covering the warranty period.
16. Items of Foreign origin should have Insurance up to installation on site.
17. The University reserves the right to accept or reject any or all the quotations without assigning any reason.
18. Quoted price should be inclusive of essential accessories and should be CIF Tezpur University, Tezpur
19. Applications for release of EMD should be submitted to the Registrar/ Deputy Registrar.
20. Apart from the above terms and conditions the University has the right to include any other terms and conditions as and when felt necessary.
21. **Quotation should be submitted in the DROP BOX placed in the reception of the Administrative Building of the University within 21 days from the issue of the notice.If posted/couriered, should reach within 21 days from the issue of this notice addressed to "The Deputy Registrar (GA), Tezpur University". The Quotation Notice No. and date should be clearly superscribed in the the envelope/packet containing the quotation.**

Sd/-Deputy Registrar (GA)
Tezpur University