



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
नपाम :: तेजपुर - 784028 :: असम
NAPAAM :: TEZPUR - 784028 :: ASSAM

SHORT QUOTATION NOTICE

TU/11-24/Pur/Qtn/2017-18/2245-A dated: 22.08.2017

Sealed quotations are invited from reputed manufacturers/authorized dealers/vendors for supply, installation & commissioning etc. of following items required for the DBT Sponsored Research Project of Dr. S. Baruah, Department of Molecular Biology & Biotechnology, Tezpur University.

Item: Real Time PCR Machine

Specification:

1. A Real Time Thermal Cycler with Peltier/Rotator disc heating and cooling based system.
2. Should be an open system capable of running various chemistries so that different Chemistries using TaqMan, Molecular Beacon, SYBR green etc. all can be performed.
3. Should be with at least 96 well block and support 0.2 ml tubes/strips or plate to run on the same block.
4. Temperature range of thermal block should be at least 4 to 99°C and temperature accuracy should be ± 0.20 to 0.25°C .
5. System should support fast PCR protocol with ramp rate of at least $4^\circ\text{C}/\text{sec}$ or more
6. System should support the reaction volume of at least $5\mu\text{l}$ - $8\mu\text{l}$.
7. System should be capable of multiplexing with at least 4 different florescent reporters.
8. System should be pre-calibrated for at least four dyes to a maximum of seven dyes during installation at the customer site: (FAM/SYBR® Green I, VIC®/JOE™, NED™/TAMRA™, ROX™, Texas red, CY5 and Yakima yellow HEX)
9. The system must be able to detect wavelength from 350 -750nm range.
10. Should have an LED excitation with photodiode detection. The technology should be such as to avoid cross talk between flourophores in a multiplexing reaction
11. Sensitivity of the system demonstrated down to 1 copy.
12. System should detect as little as 1.5-fold changes in target quantities in single-plex reaction.
13. The software must allow analysis of multiple gene expression plates simultaneously. The instrument software must be capable of detecting and analyzing a different gene, SNP or pathogen target in every well of the 96-well plate. Software should support performing Absolute quantification, Relative quantification, Allelic Discrimination, Plus/Minus assays. Along with this it should be able to conduct High Resolution Melting (HRM) experiments for genotyping and mutation scanning experiments
14. It should be supplied with two years warranty with a provision of extended warranty and on demand repair services as and when required.
15. Installation, testing, validation, demonstration /technical presentation should be conducted. The vendor should provide comprehensive training on the operation of the instrument, chemistry options and software. This training should be provided free of cost



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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 ₹. 5000/- (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 must 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. Applicable levies, surcharge and discounts should be clearly indicated itemwise.
6. Quoted rates should be valid at least for a period of 01 year.
7. The rates should be quoted along with supporting documents of specifications and technical features and list of users.
8. 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.
9. All the quotations must be accompanied with supporting documents and / or literature.
10. Demonstration may be sought from the vendors for authentication of quoted specification.
11. 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.
12. The University is exempted from paying Custom and Excise duty.
13. Proprietary items should be quoted with sole Manufacturer/Distributorship certificate.
14. Warranty/Guarantee period should be specifically mentioned in the quotation.
15. 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.
16. Performance Bank Guarantee also must be submitted for Major equipments of Indian origin, covering the warranty period.
17. Items of Foreign origin should have Insurance up to installation on site.
18. The University reserves the right to accept or reject any or all the quotations without assigning any reason.
19. Quoted price should be inclusive of essential accessories and should be CIF Tezpur University, Tezpur
20. Applications for release of EMD should be submitted to the Registrar/ Joint Registrar.
21. Apart from the above terms and conditions the University has the right to include any other terms and conditions as and when felt necessary.
22. **Quotation should be submitted in the DROP BOX placed in the reception of the Administrative Building of the University within 21 days from the date of publication of this notice. If posted/couriered, should reach within 21 days addressed to "The Joint Registrar, Tezpur University". The Quotation Notice No. and date should be clearly superscribed in the envelope/packet containing the quotation.**

Sd/- Joint Registrar
Tezpur University