



तेजपुर विश्वविद्यालय / TEZPUR UNIVERSITY
केंद्रीय विश्वविद्यालय/A Central University
कुल सचिव का कार्यालय / OFFICE OF THE REGISTRAR
तेजपुर - 784028, असम / TEZPUR - 784028, ASSAM



नाक' द्वारा 'ए+' ग्रेड प्राप्त, एनआईआरएफ रैंकिंग में भारत के शीर्ष 100 विश्वविद्यालयों में स्थान प्राप्त
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NOTICE INVITING BID

TU/GeM/BoQ-Bid(157)/2023-24/ 2618 Date 14/11/2023

Bids in 02 Bid System (**Technical and Financial**) are invited on GeM from reputed manufacturers/authorized dealers for supply of **"REAL TIME PCR"** for Dr. Suman Dasgupta under ICMR Project at Tezpur University, Tezpur, Assam- 784028.

Please read the Bid document carefully before participating. It shall be deemed that submission of bid by the bidder has been done after their careful study and examination of the Bid terms and conditions with full understanding to its implications. Any lack of information shall not in any way relieve the bidder of its responsibility to fulfill its obligations under the Bid.

The University will reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for, or in executing, the Purchase Order. Fraudulent Practice means a misrepresentation of facts in order to influence a procurement process and includes collusive practice among bidders (prior to or after Bid submission) designed to establish Bid prices at artificial non-competitive levels and to deprive Tezpur University of the benefits of free and fair competition. Corrupt Practice means offering, giving, receiving or soliciting of anything of value, pressurizing to influence the action of a public official in the process of this purchase execution.

For any queries/doubt please contact the Stores & Purchase Section (e-mail: snp@tezu.ernet.in) or in the email id mentioned in the GeM Bid.

A. GENERAL TERMS & CONDITIONS:

- i) **Rates:** Rates quoted should be on **FOR Tezpur University, Napam, Tezpur, Door Delivery Basis**, for indigenous items and **CIP Tezpur University, Napam, Tezpur or Delivered Duty Paid**, for imported item. Failure to comply with this term may lead to rejection of the quotation.
- ii) **Quotations should be accompanied by:**
 - (a) **An EMD (in the form of Demand Draft/Banker Cheque) for Rs. 26000/- (Rupees twenty-six thousand only) drawn in favor of Registrar, Tezpur University, payable at Tezpur. No request for consideration of earlier deposited EMD will be considered.**
 - (b) **Bidders who are MSME/NSIC registered needs to furnish a "Bid Security Declaration" (format enclosed at Annexure – II) in lieu of EMD accepting that if they withdraw or modify their bids during process of bidding, they will be suspended for a period of Three (03) years from participating in any future bid invited/published by Tezpur University. Bidders who are MSME/NSIC registered seeking exemption from payment of EMD are to submit valid documents in support of their claim. Bidders seeking exemption are asked to clearly mention the category under which exemption is claimed. The category of exemption under MSME/NSIC will be strictly adhered to.**
 - (c) **The original copies of the EMD/Bid Security Declaration should be deposited/submitted/reach the office of the undersigned before opening of the Technical Bids in an envelope superscribed as "Quotation/Participation Fee and EMD for TU/GEM/BOQ-BID/(157)/2023-24/.....2618.....DT-.....14/11/2023 addressed to the Assistant Registrar-GA, Tezpur University. Failure to do so shall result in rejection of the bid.**

P. Prasad



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- iii) Bidders/Tenderers are to ensure that they are GST compliant and that their quoted tax structure/rates are as per GST law. The rates should be exclusive of taxes and applicable tax percentage should be clearly indicated. Financial/Price Bid format where taxes cannot be mentioned separately, in such cases, the percentage of taxes applicable should be mentioned in the Technical Bid document.
- iv) **Validity of Quotation:** Quoted rates must be valid for at least **180 days** from the last date of submission of quotation.
- v) Applicable levies, surcharge and discounts should be clearly indicated item wise.
- vi) The rates should be quoted along with supporting documents of specifications and technical features and list of users, wherever applicable.
- vii) **Literature a must:** All the quotations must be supported by technical leaflet/literature and the specifications mentioned in the quotation must be reflected/ supported by such technical leaflet/ literature. The model and specifications quoted should **invariably be highlighted** in the leaflet/literature for easy reference.
- viii) **After Sales Service Guidelines:** In case of imported goods, bidders should clearly state the detailed address, contact number and email ids of 'after sales service centre' preferably in Tezpur/Guwahati, India or any place in Assam without which their offers shall be liable for rejection. Service against any complaint must be provided within 24hours.
- ix) **Dealership Certificate:** Dealers or Agents quoting on behalf of Manufacturer must upload valid dealership certificate.
- x) **Quality Certificates:** Valid certificates as mentioned herewith, to prove that the products are genuine and of international standard must be uploaded (if applicable):
 - a) Manufacturer's certificate
 - b) ISO/ISI certificate.
- xi) **Genuine Pricing:** Vendor is to ensure that quoted price is not more than the price offered to any other customer in India to whom this item has been sold, particularly to Universities/IITs/Institutes and other Government Organization.
- xii) **Payment:** 100% payment after successful delivery, installation, commissioning and acceptance by the end user department.
- xiii) **PENALTY FOR DELAYED DELIVERY:** The date of delivery should be strictly adhered to. In the event of delayed delivery, installation & commissioning, the vendor shall be liable for a penalty deduction/liquidated damages as per prevailing rules.
- xiv) The University is exempted from paying Custom and Excise duty. An Exemption Certificate will be provided on request.
- xv) 1-3 years' warranty must be provided on the system from the date of successful installation on site.
- xvi) The price quoted by the bidder should be inclusive of all accessories detailed at **Annexure I** freight charges, delivery and comprehensive transit insurance till Tezpur University.
- xvii) The successful bidder must install the system at Tezpur University and provide demonstration FOC to the end user of the University.
- xviii) Irresponsive/incomplete quote will be rejected.
- xix) **Conditional tenders not acceptable:** All the terms and conditions mentioned herein must be strictly adhered to by all the vendors. Conditional tenders shall not be accepted on any ground and shall be rejected straightway. Printed conditions mentioned in the tender bids submitted by vendors will not be binding on Tezpur University.

Paul



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- xx) **Enquiry during the course of evaluation not allowed:** No enquiry shall be made by the bidder(s) during the course of evaluation of the tender till final decision is conveyed to the successful bidder(s). However, the Purchase Committee or its authorized representative (Tezpur University) can make any enquiry/seek clarification from the bidders. In such a situation, the agency must extend full co-operation. The bidders may also be asked to arrange a demonstration of the offered items, in a short period notice, as such the bidders have to be ready for the same.
- xxi) **Termination for default:** Default is said to have occurred:
- If the equipment or any of its component is found having poor workmanship, faulty designs, poor performance and bad quality of materials used.
 - If the supplier fails to deliver any or all of the services within the time period(s) specified in the purchase order or any extension thereof granted by Tezpur University.
 - If the supplier fails to perform any other obligation(s) under the contract.
 - Under the above circumstances Tezpur University may terminate the contract / purchase order in whole or in part and forfeit the EMD/PBG as applicable. In addition to above, Tezpur University may at its discretion also take the following actions: Tezpur University may procure, upon such terms and in such manner, as it deems appropriate, goods similar to the undelivered items/products and the defaulting supplier shall be liable to compensate Tezpur University for any extra expenditure involved towards goods and services obtained. Besides, the Vice-Chancellor, Tezpur University, and reserves the right to impose any other form of penalty as deemed fit including blacklisting of the vendor.

B. Selection criteria:

i. Evaluation Criteria:

To ensure that each bidder has the necessary qualifications and resources to fulfill its obligations under the contract, the submitted bids shall be evaluated on the criteria of eligibility, requisite experience & support service framework (if applicable). Upon passing of the bids in the aforesaid criteria, the technical bids shall be evaluated and ranked by the award of ACCEPT and/or REJECT. In case a joint venture makes a bid, any one of the members of the joint venture need to be qualified for each of the criteria mentioned below.

ii. Non Blacklisting Criteria:

a. The bidder or the OEM should not be blacklisted by Tezpur University or any other Educational /R&D/ PSU/ Govt organizations. A certificate or undertaking to this effect must be submitted in company/firm letterhead; sealed and signed.

iii. Financial bid evaluation

Technical bids will be evaluated and ranked by the award Accepted & Rejected. Only the technically qualified bids shall be considered for financial bid evaluation.

iv. **Delivery Period** The delivery installation and commissioning should be completed within **45 Days** of the award of BID without any deviation.

Assistant Registrar-GA, i/c
Tezpur University



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Annexure I

Technical Specifications

(To be submitted on Company's/Firm's Letterhead Signed and Seal)

1. Real Time PCR:

- System should be peltier-driven with operational range of 4-100°C and maximum ramping speed of 5°C/sec, with an average ramp rate of 3.3°C/sec.
- System should have automated self-adjusting lid that opens, closes, and can apply sealing force to reaction wells.
- Sample block temperature accuracy should be +/-0.2°C at 90°C, with a uniformity of +/-0.3°C well-to-well variation at 90°C.
- Thermal gradient for optimization of multiple temperatures in a single assay.
- Thermal block of the system should be light weighted for fast thermal conductivity.
- System should have temperature controller for multi vessel reaction and balancing regulator for high-speed scanning.
- System should have capacity of protection from atmospheric moisture.
- Optical system should allow the excitation and detection of up to five fluorescent dyes in a single reaction well.
- Optics should independently illuminate and detects fluorescence from each well with the same LED/detector pair per channel. The system should have six filtered LEDs for illumination and differentially detects emission using six filtered photodiodes (one for each channel plus FRET).
- System must have fixed optical path, directly over each well, eliminates the need to normalize for positional bias.
- The optical detection range of excitation wavelength and emission wavelength should be 450-684 nm and 510-730 nm respectively.
- System should have methods for rapid fluorescence detection.
- System should detect ≤ 10 fmol of fluorescein.
- Dynamic range of the system should be 10 orders of magnitude.
- System should have a dedicated channel for FRET and Protein Thermal Shift (Protein Melt) experiments.
- System should read all 96 wells with all channels simultaneously.
- System can be integrated with an automation system for hands-free operation.
- System should continue to run and complete a run if the software is stopped or interrupted to prevent run data from being list in case if there is unintentional interruption of the software. This function is especially valuable for precious or limited samples, whereby all data is not lost for a run that was interrupted.
- System should run real-time PCR experiments without being attached to a computer. When operated as a stand-alone instrument, the instrument will save at least 1000 run files.



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- t. Real-time data traces can be viewed during a run from the thermal cycler screen.
- u. System should have capacity of amplifying data as well as identifying statistically linear data.
- v. System should directly connect to a network file storage location through Wi-Fi or ethernet with user credentials and can read and write, given system access rights.
- w. System should connect to cloud platform for remote monitoring, experiment set up, and Cq analysis.

2. Software for running Real Time PCR:

- a. Multiplex amplification and melt curve and end-point analyses should be performed on up to five fluorophores in a single reaction well.
- b. Multiple plates should be combined into one experiment with the Gene Study Feature.
- c. Run results should be displayed in a single window.
- d. Multiple standard curves should be simultaneously viewed when a common fluorophore is used for multiple targets.
- e. Automated allelic discrimination by end-point fluorescence or quantification cycle (Cq) values.
- f. Gene expression analysis by relative quantity (ΔCq) or normalized expression ($\Delta\Delta Cq$).
- g. Multiple reference genes could be assigned in normalized expression ($\Delta\Delta Cq$) analysis.
- h. Up to 5,000 Cq values from different data files should be compared for gene expression analysis.
- i. Embedded reports tool should be customizable by the user to export run information, data tables, graphs, and analysis parameters in a specified order to PDF or other file formats.
- j. Software should be able to data to be grouped and interpret by both technical replicates and biological groups.
- k. Software should perform t-tests and 1-way ANOVA calculations.
- l. Software should display data in multiple formats including bar chart, dot plot, box-and-whisker plot, scatter plot, clustergram, and volcano plot.

3. SYBR Green mastermix of 20 ml. (compatible to the RTPCR).

4. cDNA Synthesis kit of 400 reactions (compatible to the RTPCR).

5. RNA Isolation Reagent of 200 ml.

6. 8 well tube and strips of 400 numbers

7. Desktop PC (compatible to run the Software analysing RTPCR data).

Pravali



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Description	Specification
Processor	Intel Core i5-1235U 12th Generation or better.
Operating System	Windows 11 Professional (Factory Pre-Loaded).
Memory	8 GB DDR4 RAM.
Memory Expandability	32GB with 2 DIMM Slots.
Storage	SSD 1TB.
Monitor	21.5" IPS 1920x1080 resolution.
Keyboard	Wired keyboard.
Mouse	Wired mouse.
Warranty	On site 3 Years OEM warranty.

8. Air conditioner:

Description	Specification
Capacity	2 Ton
Unit type	Single split (Single indoor and single outdoor)
BEE Star rating of the product	5 Star
Technology of Air conditioner	Inverter AC variable speed
Material of condenser	Copper
Material of evaporator	Copper
Compressor type	Rotary type
Installation	On site installation
Warranty on compressor	10 years
AC machine warranty	05 Years

Annexure-II

(To be submitted on Company's/Firm's Letterhead signed and sealed)

Handwritten signature



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संयुक्त राष्ट्रसंघ
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Bid-Security Declaration Form

Date: _____

Bid.No. _____

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Security Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of three year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

(a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or

(b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown) in the capacity of (insert legal capacity of person signing the Bid Securing Declaration).

Name: (insert complete name of person signing he Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of: (insert complete name of Bidder) Dated on

_____ day of _____ (insert date of signing)

Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid).