



तेजपुर विश्वविद्यालय / TEZPUR UNIVERSITY

(केंद्रीय विश्वविद्यालय / A Central University)

- कुलाध्यक्ष का सर्वोत्तम विश्वविद्यालय पुरस्कार, 2016 और एनआईआरएफ भारत रैंकिंग 2016: नं. 05
- Visitor's Best University Award, 2016 and NIRF India Ranking 2016: No. 05

कुल सचिव का कार्यालय / OFFICE OF THE REGISTRAR

तेजपुर-784028 :: असम / TEZPUR-784028 :: ASSAM

SHORT QUOTATION NOTICE

TU/11-24/Pur/Qtn/2017-18/109-A dated:-11.04.2017

Sealed quotations are invited from reputed manufacturers/authorized dealers/vendors for supply, installation & commissioning etc. of following items required for the SERB Sponsored Research Project of Dr. Panchanan Puzari, Department of Chemical Sciences, Tezpur University.

List of equipment and specifications:

Sl. No.	Name of equipment	Specifications
1.	Quartz crystal micro balance set up. (Supply, installation and demonstration).	High Resolution Mode , Sweep mode, QCM, HFF-QCM, LOVE technology, Up to 4 cell modules Sensor cell, Volume 3 μ L - 25 μ L , Temperature control Integrated Frequency range :5 MHz - 160 MHz Frequency resolution: 1 mHz Frequency stability : \pm 0.05 ppm, over 0 to 50 $^{\circ}$ C Frequency accuracy : \pm 0.1 Hz Max. sweeping time :12 frequency points/second Phase resolution: 0.005 $^{\circ}$ Amplitude resolution :0.15 mV General Remote control and monitoring interface via Ethernet, EQCM provision, with necessary software.
2.	Electrode for QCM set up	14 mm Keyhole, 10 MHz, Polished finish, Cr/Au.
3.	Flow cell for EQCM	14 mm, 5 MHz; 6 MHz; 9 MHz; 10 MHz
4.	Quartz crystal micro balance flow module set up. (Supply, installation and demonstration).	single channel Specification, With Syringe Pump Distribution Valve, Injection valve for sample injection, Solenoid pump for precise sampling, Built-in thermostatic system for temperature control of liquids General Remote control and monitoring.
5.	Potentiostat/Galvanostat. (Supply, installation and demonstration).	Computer controlled Potentiostat/Galvanostat with EIS facility and necessary softwares, multichannel with Auxilary input and output's to connect external devices like RDE/RRDE, QCM, pH meter etc. Applied current: \pm 10nA- \pm 500mA Applied voltage: \pm 10V Compliance Voltage: \pm 12V or more Voltage resolution: up to 1 μ V Current Resolution: 500 fA Input Impedance :1T Ω Rise time:<500ns Electrode configuration: 2, 3, 4&5 terminals Impedance Frequency range: 10 μ Hz-7MHz AC Amplitude: 0.5mV-2.5V Data acquisition rate: minimum 1000,000 samples/sec Interface: USB/Ethernet.

GENERAL TERMS & CONDITIONS:

1. No separate tender paper will be issued from the office; one should only download the specifications/List from the website.



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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 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. 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/Gurantee 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 has to 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 latest by 5.30 PM of 1st of May, 2017. If posted/couriered, should reach by 5.30 PM of 1st of May, 2017 addressed to "The Joint Registrar , Tezpur University". The Quotation Notice No. and date should be clearly superscribed in the the envelope/packet containing the quotation.**

Sd/- Joint Registrar
Tezpur University