



SHORT QUOTATION NOTICE

TU/11-24/Pur/Qtn/2017-18/4529-A dated: 16.01.2018

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. Nashreen S. Islam, Department of Chemical Sciences, Tezpur University. Those who have participated in response to our Earlier Notice Nos. **TU/11-24/Pur/Qtn/2017-18/3149-A dated 25.10.2017** may submit their revised offer/quotation in reference to their earlier offer/quotation, and in such cases no Tender Fee and EMD is to be paid again.

SPECIFICATION FOR ANALYTICAL CUM SEMI- PREPARATIVE HPLC SYSTEM

The HPLC System should have the following minimum (Basic) specifications (better & higher specification will be given preference):

HPLC Pump

- Binary Gradient pump with inbuilt degasser. .
- The pump should be able to work on fully analytical & semi-preparative mode separately.
- Flow range: 0.01 -10 ml/min or better.
- Flow Precision: 0.1% RSD or better.
- Maximum Pressure: 6000 psi throughout entire flow rate or better.
- The system delay volume: should be < 200 μ l for sensitivity, higher resolution.
- Flow accuracy: \pm 1% or better
- The system should be capable to withstand the retention time variations of less than 0.1% for highly reproducible peak performance.
- Should have the capability to operate in at least 11 or more various gradient curve mode including Liner, Step, concave, convex, exponential, etc.

Manual Injector

- Rheodyne injector with 20 μ l, 100 μ l, 200 μ l, 500 μ l and 2ml sample loops with accessories to fit the pump and syringe with stand.

1. Photo Diode Array Detector

- Wavelength range: 190-700 nm or higher
- Wavelength repeatability: \pm 0.1 nm
- Wavelength Accuracy: \pm 1 nm over lifetime of the detector.
- Bandwidth <1nm
- Data Acquisition: Up to 80 Hz
- Light Source: Deuterium lamp for UV range and tungsten lamp for visible range with temperature control facility for both lamps.
- Lamp Optimization facility should be available with the detector.
- Sensitivity Setting Range: 0.0001 – 2.0000 AUFS.
- Standard analytical flow cell: 10 mm Path length
- One semi-preparative flow cell

2. Column Oven with controller

- Column compartment temperature range: 20-80°C or better
- Column compartment accuracy: \pm 0.5°C or better
- Column number: minimum 10 number or higher for automated method scouting
- Column oven heating method: Forced air circulation for uniform heating.



तेजपुर विश्वविद्यालय / TEZPUR UNIVERSITY
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(A Central University established by an Act of Parliament)
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Software

- User friendly chromatographic software suitable to control, acquisition, processing and reporting.
- should be quoted with a relational secured data base, independent of operating system and an interface for the software to the database for strong integrity and security of data.
- Measurement of retention times & component identification.
- Should support programming of at least 1 - 10 different gradient curves.
- Automatic peak detection, peak area measurement and baseline correction facilities.

Columns & Accessories

- Analytical C18 Column (250 x 4.6 mm x 5 μ) pH range: 1-12 with Guard accessories: 2 No.
- Preparative column (250 x 10 mm x 5 μ) pH range: 1-12 with Guard accessories: 1 No

Demonstration, Commissioning & Detailed training on Instrument & Application has to be provided by the vendors on site.

Essential Accessories:

- Latest branded PC and Printer for loading the HPLC software of above mentioned specification.
- Suitable on-line UPS with 30 minutes backup to run the quoted HPLC system should be quoted.
- All accessories required for installation and calibration of the system.

Warranty

- Two years from the date of installation.

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 GST and applicable GST in % 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.



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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 latest by 29.01.2018. If posted/couriered, should reach before 29.01.2018 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/- Assistant Registrar (GA)
Tezpur University