UNIVERSITY OF NORTH BENGAL

Office of the Registrar

समानो मन्त्रः समितिः समानी

Notice inviting e-Tender

e-Tender is invited from reputed Vendors for supply and installation of equipment in the Department of chemistry, University of North Bengal, Rajarammohunpur Campus. For details please visit https://wbtenders.gov.in (Tender ID: **2022_DHE_392938_1**)

Advt.no.- 70/R-2022 Date : 02.08.2022 **Registrar (Offg.)**

University of North Bengal

P.O. Raja Rammohunpur
Dist Darjeeling
Pin 734013

Notice Inviting e-Tender- 70 /R-2022

e-Tender is invited from reputed Vendors for supply and installation of equipments in the Department of Chemistry ,University of North Bengal, Rajarammohunpur Campus. For details please visit https://wbtenders.gov.in

Sl. No.	Item	Earnest Money	Completion Time
1.	As Per Annexure-I	30,000/-	**10 days**

TERMS AND CONDITIONS :

1) The base price and GST shall be shown separately

2) Taxes will be deducted at source as per prevailing rules of Central and State Government.

3) The terms and conditions of payment shall be declared clearly.

4) Copy of current year PT challan, Trade License, PAN card, GST registration certificate shall be accompanied with the technical bid documents. [Non Statutory Documents]

5) The vendor shall submit authorization certificate from OEM along with the technical bid.(Non Statutory documents).

6) The vendor shall provide Company details as per Annexure-II.

7) The vendor shall have credential of supply of similar equipments in any University / institution / Govt. Organization. Copy of credential certificate shall be submitted along with technical bid (Non Statutory documents).

8) The vendor shall clearly state the pre-installation requirements and take all responsibilities to arrange the same.

9) The equipment shall carry minimum 3 (Three) year on site warranty from the date of installation.

10) The service engineer shall attend the call within 24 hrs for trouble shooting to be done on no wait basis.

11) The successful tenderer shall complete the installation of the equipment within 10 (Ten) days from the date of issuance of the supply order.

12) A sum of Rs.30,000/- shall be deposited to the under noted account of the University through RTGS as earnest money and the copy of receipt challan of RTGS with UTR number shall be accompanied with the technical bid document (Statutory Documents) failing which the tender paper will be treated as cancelled. The earnest money of the unsuccessful quotationer (s) will be refunded without interest after one month of the opening of tender paper and the same of the successful candidate will be refunded without interest after three months of the satisfactory installation of the equipment subject to redressal of complaint, if any.

Name of the A/c: N.B.U (S/B).
Account Number: 10195736768
IFSC Code: SBIN0002096

13) The University authority reserves the right to accept or reject any/all quotations.

14) The quotation should be valid for at least 90 (ninety) days.

15) The brochure /catalogue of the equipment shall accompany the technical bid documents (Non Statutory documents).

16) Selection of the agency will be made on the basis of both technical and financial bids. Technical bids and financial bids shall be submitted by online only. Offline submission of tender paper will not be accepted.

17) 92% of the total order value shall be released after the successful installation / commissioning of the equipment against the submission of the test report duly certified by the concerned authority. The remaining 8% of the bill value shall be deducted and kept aside as security deposit which will be paid after 3(three) months from the date of satisfactory installation, subject redress of complaints, if any.

18) The last date of submission of tender form is upto 18.08.2022 at 1.00 p..m. and to be opened on 22.08.2022 at 1.30 p.m.

19) The tenderers may remain present at the opening of tender.

20) All cases of disputes not covered under the terms & conditions of Tender will be referred to the Vice-Chancellor for a decision which shall be final and binding on both the parties.

21) For any clarification regarding tender please contact with the Dr. Jayanta Nanda, Assistant Professor, Department of Chemistry (Tel no. 8967344475) email Id- jayanta@nbu.ac.in , University of North Bengal.

22) Date & Time Schedule

Sl NO	**Particulars**	**Date & Time**
1	Publishing of Tender	**02.08.2022**
2	Documents download/sell start date (Online)	**02.08.2022 from 6.00 p.m.**
3	Bid submission Start Date	**02.08.2022 from 6.00 p.m.**
4	Bid Submission End Date	**18.08.2022 upto 1.00 p.m.**
5	Technical Bid Opening	**22.08.2022 at 1.30 p.m.**
6	Offline Submission	**NO OFFLINE SUBMISSION ACCEPTED**
7	Financial Bid Opening	**To be notified**

Sd/-
Registrar (Offg.)
University of North Bengal

ANNEXURE-II

BIDDERS DETAILS

(To be provided on company letter head)

NIT NO.:
TENDER ID:

1	NAME OF THE BIDDER	
2.	ADDRESS	
3.	CONTACT NUMBER	
4.	CONTACT PERSON	
4.	EMAIL ID	
5.	BANK DETAILS A/c Name A/c Number Name of the Bank Name of the Branch IFSC	

Authorized Signatory(with seal & Stamps)

ANNEXURE-I

Technical Specification for Analytical cum Semi-preparative HPLC System

HPLC Pump (or Solvent Delivery System) - 2 NO.'s

- 2 Nos. of integrated HPLC pumps with dual reciprocating pistons and non-circular gear driven, free standing pump should be provided to work in Isocratic, Binary Gradient and semi preparative mode. The pumps should be able to work on fully analytical & semi-preparative mode separately. A pump drawing / design must be shared in the Bid.
- Programmable flow range: 0.000 to more than 10.000 ml/min with 0.01 ml/min increment or better for all kinds of Semi-Preparative application.
- The system should be capable of delivering precise volumes of mobile phase with minimum 48 step/µl or better.
- Flow Precision: 0.1% RSD or better.
- Maximum Pressure: 6000 psi throughout entire Flow rate.
- The system delay volume should be lesser than 200 µl for sensitivity. Data Sheets must be properly mentioned.
- 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 with Accessories:

- Should be Rheodyne injector having dual injector facility of Analytical & Semi-Preparative mode separately in the same panel.
- 20 µl, 50 µl, 100 µl and 5 ml loop should quote.
- 100 µl, 2.5mL Syringe should quote.
-

UV/Visible Detector:

- Wavelength range: 190 to 700 nm or better.
- Measurement range should be 0.0001-4.0000AU or better.
- Optics: Dual wavelength
- Noise: $\leq 5 \times 10^{-6}$ AU (single channel) and $\leq 35 \times 10^{-6}$ AU (dual channel) or better.
- Detector linearity: $\leq$5% at 2.5 AU or better.
- Flow Cell Design: Should be Taper Slit or equivalent to avoid Total Internal Reflection.
- Bandwidth: ≤ 5nm or better.
- Wavelength accuracy: $\pm$ 1nm preferably by Erbium Filter.
- Light Source: Should be a Single Deuterium Lamp which should cover the entire range with minimum noise.
- Lamp should the guaranteed for a minimum of 2000 hrs of operation without drop in the energy level with appropriate backup from software and hardware. It should be associated with Lamp optimization software to ensure consistent high sensitivity applications & reproducible integration to new lamp or old lamp.
- Sampling Rate: Upto 80 points / s or better.
- One Semi Preparative Flow Cell should be quoted.

Original Manufacturer Chromatography Software:

- User friendly chromatographic software compatible with mentioned detector.

- The software should be quoted with a secured Oracle data base (Oracle 8.0 or higher), independent of operating system and an interface for the software to the database for strong integrity and security of data.
- Should have option for manual Integration. All meta data should be automatically managed, linked and versioned along with customized reporting format.
- Measurement of retention times & component identification.
- Apex peak integration algorithm should be available.
- The quoted software should have the capability of programming at least 1 - 11 different gradient curves.
- Automatic peak detection, peak area measurement and baseline correction facilities.
- Possibility of performing GPC or Gel Permeation Chromatography along with data base preferably be come in addition with the software and it must be specified along with the details.

Columns:

- Analytical C18 Column (250 x 4.6 mm x 5µ): 2 No.
- Semi-Preparative C18 (250 x 10 mm x 5µ): 1 No.

Instrument along with Detectors and Software Qualification Service & Certification:

- System Qualification (IQ&OQ) along with all detectors and Software must be quoted.
- Vendors must quote the Qualification kits along with valid Cat. No./Product ID etc.

Essential Accessories:

- Latest branded PC and Printer for loading the HPLC software of above mentioned specification.
- 2 KVA On-line UPS with 60 minutes backup for run the quoted HPLC system should be quoted.

Demonstration, Commissioning & Detailed training on Instrument must be provided by the vendors on site.

The supplier should have at least 15 successful installation of the quoted model in eastern India only.

All the claimed specifications must be duly submitted with proper documentations and proof. All provided broachers or technical data sheet should be available in supplier's public website.

The system should come with 1 (One) years warranty from the date of installation.

Sd/-
Registrar (Offg.)
University of North Bengal