

# UNIVERSITY OF NORTH BENGAL

Office of the Registrar



সমানোমন্ত্র: সমিতি: সমানী

## Notice inviting e-Tender

Following e-Tenders are invited from reputed Vendors, for details please visit  
<https://wbtenders.gov.in>

<u>SL.NO.</u>	<u>NIT NO.</u>	<u>TENDER ID</u>
1.	10/R-2024	2024_DHE_693129_1
2.	12/R-2024	2024_DHE_693152_1
3.	13/R-2024	2024_DHE_693188_1
4.	14/R-2024	2024_DHE_693208_1
5.	15/R-2024	2024_DHE_693239_1
6.	16/R-2024	2024_DHE_693278_1
7.	18/R-2024	2024_DHE_693310_1

Registrar (Offg.)

# University of North Bengal



P.O. Raja Rammohunpur  
Dist Darjeeling  
Pin 734013

## Notice Inviting e-Tender- 18/R-2024

e-Tenders are invited from reputed Vendors for supply and installation of the 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	20,000/-	15 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 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 7 (seven) days from the date of issuance of the supply order.
- 12) A sum of Rs.20,000/- 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 **26/06/24 UPTO 11.00 A.M.** and to be opened on **26/06/24 AT 11.00 A.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 Dr. Md. Selim Arif Sher Shah ,Department of Chemistry (Mobile no. 8116801746) email Id- [s.shershah@nbu.ac.in](mailto:s.shershah@nbu.ac.in) University of North Bengal.

22) Date & Time Schedule

<b>SINO</b>	<b>Particulars</b>	<b>Date &amp; Time</b>
1	Publishing of Tender	13/06/24 FROM 6.00 P.M
2	Documents download/sell start date (Online)	13/06/24 FROM 6.00 P.M.
3	Bid submission StartDate	13/06/24 FROM 6.00 P.M.
4	Bid Submission EndDate	26/06/24 UPTO 11.00 A.M.
5	Technical BidOpening	28/06/24 AT 11.00 A.M.
6	Offline Submission	NO OFFLINE SUBMISSION ACCEPTED
7	Financial BidOpening	To benotified

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**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 &amp; Stamps)

## **Specification of tubular furnace**

Maximum temperature: 1200 °C

Working Temperature: 1100 °C

Use full Volume heated tube length of 1000mm

And 80 mm OD having working zone 200mm

With k25 flange controller Microprocessor PID

Controller having 16 ramp & 30 soak profile

Having set parameter set point profile indicator,

Temperature protection from secondary temperature controller.

Rate of heating: 1 to 100 °C per minute

Temperature accuracy:  $\pm 10$  °C

Input power: single phase

Temperature sensor(Thermocouple) k-Type

Structure double walls inner and outer body will be

Made proper thick metallic sheet

Internal Chamber: ceramic Board & Grooved RefractoryBrick

Total power: 1 KW

Load current rating: 3 Amps for 200 -230V, 50Hz

Accuracy:  $\pm 1$  °C

Service: Attempt within 48 hours on online

If necessary, engineer will visit within 7 days

Company will service free of cost within warranty period

Warranty: 1 year

	<b>Specification of Electrochemical Workstation with sample preparation Accessories</b>
<b>1</b>	<p data-bbox="284 286 1367 376">i) High-performance Research-Grade Electrochemical Workstation for Application of Li-ion battery, solar cell, fuel cell, supercapacitors, corrosion Study Electrochemical analysis &amp; Biosensing</p> <p data-bbox="284 409 671 439"><b>Potentiostat/Galvanostatwith EIS</b></p> <p data-bbox="284 472 571 501"><b>Hardware Specifications</b></p> <ul data-bbox="284 535 1070 898" style="list-style-type: none"> <li>• Cell connection/Electrode Configuration: 2, 3, Electrode measurements</li> <li>• Applied Potential: <math>\pm 10V</math> or more</li> <li>• Compliance voltage: <math>\pm 20 V</math> or more</li> <li>• Mini Current Range: <math>\pm 2nA</math></li> <li>• Current sensitivity: pA or lower</li> <li>• Max Current: <math>\pm 2A</math> or higher</li> <li>• EIS Frequency Range: 10<math>\mu</math>Hz-1MHz or higher</li> <li>• Applied Potential Resolution: 15<math>\mu</math>V or less</li> <li>• Scan rate: 0.001mV - 10,000V/s</li> <li>• Reference electrode input impedance: <math>10^{12}</math> or higher</li> <li>• USB / RS232 Communication</li> <li>• Windows Operating Software</li> </ul> <p data-bbox="284 931 847 960"><b>Software Supported Electrochemical Techniques</b></p> <p data-bbox="284 994 504 1023"><b>Stable polarization</b></p> <ul data-bbox="331 1025 699 1182" style="list-style-type: none"> <li>• Open Circuit Potential (OCP)</li> <li>• Potentiostatic (I-T curve)</li> <li>• Galvanostatic</li> <li>• Potentiodynamic (Tafel plot)</li> <li>• Galvanodynamic</li> </ul> <p data-bbox="284 1187 544 1216"><b>Transient Polarization</b></p> <ul data-bbox="331 1218 608 1344" style="list-style-type: none"> <li>• Multi Potential Steps</li> <li>• Multi Current Steps</li> <li>• Potential Stair-Step</li> <li>• Galvanic Stair-Step</li> </ul> <p data-bbox="284 1348 655 1377"><b>Chrono Time Based Techniques</b></p> <ul data-bbox="331 1379 608 1473" style="list-style-type: none"> <li>• Chronopotentiometry</li> <li>• Chronoamperometry</li> <li>• Chronocoulometry</li> </ul> <p data-bbox="284 1478 440 1507"><b>Voltammetry</b></p> <ul data-bbox="331 1509 683 1568" style="list-style-type: none"> <li>• Linear Sweep Voltammetry</li> <li>• Cyclic Voltammetry</li> </ul> <p data-bbox="284 1572 576 1601"><b>Corrosion Measurements</b></p> <ul data-bbox="331 1603 943 1760" style="list-style-type: none"> <li>• Cyclic polarization curve (CPP)</li> <li>• Linear polarization curve (LPR)</li> <li>• Electrochemical Potentiokinetic Reactivation (EPR)</li> <li>• Electrochemical Noise (EN)</li> <li>• Zero resistance Ammeter (ZRA)</li> </ul> <p data-bbox="284 1765 639 1794"><b>Battery &amp; Super capacitor test</b></p> <ul data-bbox="331 1796 884 1953" style="list-style-type: none"> <li>• Battery Charge and Discharge</li> <li>• Galvanostatic Charge and Discharge</li> <li>• Potentiostatic Charging and Discharging</li> <li>• Potentiostatic Intermittent Titration Technique</li> <li>• Galvanostatic Intermittent Titration Technique</li> </ul> <p data-bbox="284 1957 831 1986"><b>Electrochemical Impedance Spectroscopy (EIS)</b></p> <ul data-bbox="331 1989 647 2018" style="list-style-type: none"> <li>• EIS vs Frequency (IMP)</li> </ul>

- EIS vs Time (IMPT)
- EIS vs Potential (IMPE)(Mott-Schottky)

**Extensions**

- Data Logger
- Electrochemical Stripping/ Deposition
- Bulk Electrolysis with Coulometry (BE)
- Rs measurement

**Upgradable Option**

Bi Potentiostat, Power Booster up to 10A Current, Spectro-Electrochemistry Setup

**ii) Ag/ AgCl Reference Electrode (Qty-1)**

**iii) Branded PC i5 Processor**

**iv) Research Centrifuge**

- Frequency 50Hz
- Max. Tube size: 100ml
- Max. Speed Range (RPM)17300 RPM
- Max capacity: 400 ml

**v) Laboratory Hot Oven**

250 Deg C

Size: 18 Inch x 18 Inch x 18 inch

**vi) Muffle Furnace**

size: 12 inch x 6 inch x 6 inch

working area: 6 inch x 6 inch

Digital temperature controller

Temperature range up to 1200 °C

Working temperature up to 1100 °C

**Warranty:1 Year**

Sd/-  
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