

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>

SL.NO.	NIT NO.	TENDER ID
1.	72/R-2024	2024_DHE_648488_1
2.	73/R-2024	2024_DHE_648451_1
3.	74/R-2024	2024_DHE_648508_1

Registrar (Offg.)

University of North Bengal



P.O. Raja Rammohunpur
Dist Darjeeling
Pin 734013

Notice Inviting e-Tender- 74 /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 **31/01/24 UPTO 11.00 A.M.** and to be opened on **02/02/24 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 University of North Bengal.

22) Date & Time Schedule

SINO	Particulars	Date & Time
1	Publishing of Tender	17/01/24 FROM 6.00 P.M
2	Documents download/sell start date (Online)	17/01/24 FROM 6.00 P.M.
3	Bid submission StartDate	17/01/24 FROM 6.00 P.M.
4	Bid Submission EndDate	31/01/24 UPTO 11.00 A.M.
5	Technical BidOpening	02/02/24 AT 11.00 A.M.
6	Offline Submission	NO OFFLINE SUBMISSION ACCEPTED
7	Financial BidOpening	To benotified

Sd/-
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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 & Stamps)

1. Specifications for Electrochemical Workstation with Impedance

No. of channel	1
Interface	USB
Measured current/Potential resolution	0.0033% full scale/bit
Applied potential resolution	150 μ V or better
IMP Amplitude range	0.00001 V- 0.7 V RMS
Electrode Configuration, Terminals	2,3,4 and 5
Potentiostat rise time	400ns or better
Reference electrode input impedance	> 10Tohm
Current range	100nA– 1A or better
Compliance voltage	+/- 12 V or better
Scan Rate	10 microV/s to 10000 V/s or better-0.1 mV/s
Potentiostat bandwidth	10MHz or better
Reference electrode input bias current	Less than or equal to1 pA or better
Applied current resolution	0.03% of current range

Maximum current	+/-1 A
Bandwidth of electrometer	10MHz or better
IMP frequency range	10μHZ to 1MHz
Maximum potential	+/- 10 V or better
Service	Attempt within 48 hours on online If necessary, engineer will visit within 7 days Company will service free of cost within warranty period
Additional Information	
Feature	Licensed and full version of software provision for measurement of I-V measurements, I _{max} , P _{max} fill factor etc.up gradation of software should be made as and whenever required, computer with latest version of windows OS compatible with instrument software. <u>Additional Requirements</u> 1. Instrument should come with multichannel(8channel) dummy cell for external cell calibration & also with EMI shielding & GND option. 2. Instrument should be having interface for spectro-electrochemistry analysis. 3. Instrument must be having floating/GND option. 4. Instrument software must be able to support multiple channels with Multichannel add on facility and also should be having custom experiment design option with multiple voltage/current waveforms.
Min System configuration	As per requirement
Warranty Summary	2 years
Upgradable option	There should be a provision that in future the system will use in Spectro-electrochemistry Setup. System should be upgradable to Bi-potentiostat in

	future
Techniques	<p>Cyclic Voltammetry, Rapid alternating Polarity, Linear Sweep Voltammetry, Tafel Plot (TAFEL) potentiodynamic deactivation, pitting corrosion, corrosion rate, linear Polarization, Corrosion current etc, Chrono Amperometry, Chrono Coulometry, Differential Pulse Voltammetry, Amperometric i-t Curve, Bulk Electrolysis with Coulometry, AC Impedance, Impedance - Time, Impedance - Potential, Chrono Potentiometry, Chronopotentiometry with Current Ramp, Multi-Current Steps, Potentiometric Stripping Analysis, Open Circuit Potential - Time, Galvanostat, IR Compensation, Bode and Nyquist & Mott-Schottky plot can be done, Chronoamperometry, Pulsed Voltammetry (SCP, NPV, DPV & SWV), OCP Measurement, Tafel Analysis (Corrosion Measurement), Linear Polarization (Corrosion Measurement), Chronopotentiometry, Galvanostatic Charge-Discharge</p>

2. Specifications for Tubular Furnace

1. **Maximum temperature:** 1200 °C
2. **Working Temperature:** 1100 °C
3. **Use full Volume heated tube length of 1000mm**
4. **OD 80 mm having working zone 200mm**
5. **With k25 flange controller Microprocessor PID**
6. **Controller having 16 ramp & 30 soak profile**
7. **Having set parameter set point profile indicator,**
8. **Temperature protection from secondary temperature controller.**
9. **Rate of heating:** 1 to 100 °C per minute
10. **Temperature accuracy:** ± 10 °C
11. **Input power:** single phase
12. **Temperature sensor(Thermocouple) k-Type**
13. **Structure double walls inner and outer body will be**
14. **Made proper thick metallic sheet**
15. **Internal Chamber: ceramic Board & Grooved refractory brick**
16. **Total power:** 1 KW
17. **Load current rating:** 3 Amps for 200 -230V, 50Hz
18. **Accuracy:** ± 1 °C
19. **Service:** Attempt within 48 hours on online. If necessary, engineer will visit within 7 days.
Company will provide service free of cost within the warranty period
20. **Warranty:** 1 year

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