

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-15/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 **28.06.24. 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. Hari Sankar Das ,Department of Chemistry (Mobile no. 8926456888) email Id- harisankardas@nbu.ac.in University of North Bengal.

22) Date & Time Schedule

SINO	Particulars	Date & Time
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

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)

**SUPPLY, INSTALLATION AND COMMISSIONING OF A HIGH RESOLUTION FT-IR
SPECTROMETER WITH ATR**

SPECIFICATIONS FOR HIGH RESOLUTION FT-IR SPECTROMETER:

- Instrument should have large sample compartment is 200 mm wide
- Aperture size can be switched automatically for set resolutions
- Compact and long life diode laser with high wavenumber precision
- Automatic validation wheel and equipped with NIST traceable polystyrene film for easy validation
- Long life and high-intensity ceramic source, halogen lamp can be mounted together
- High wavenumber precision: System should be controlled by diode laser (VCSEL) which has realized a long-life time and contributes to the downsizing of the instrument. By oscillating the laser with high precision using the XLD method
- wavenumber precision should be 0.0005 cm^{-1} or better
- Measurement wave number range: 7800 to 350 cm^{-1} or better
- Rapid scan option: The system should be applicable for the rapid scan measurement.
- Resolution: $\leq 0.5 \text{ cm}^{-1}$ and the spectrum vibrational of gas can be measured.
- Signal-to-noise ratio : $34000 : 1$ or better
- Detector Standard: DLATGS (with Peltier temperature control) or better
- Beam splitter Standard : Ge/KBr with moist exclusion multiple layer membrane surface to protect foggy by humidity which is totally maintenance free

Optional : Broad band KBr, Mid-far IR
broad band (not interchangeable)

- Light source: Standard : High-intensity ceramic source
Optional : Halogen lamp (PC switching)
- Interferometer : 45 degrees Michelson interferometer with high quality corner-cube mirror,
- Interferometer should be sealed interferometer as -no need to change the desiccant. System must be don't need to optical axis alignment!

- Purging: Standard : Sample/detector compartment
- Optional : Interferometer
- Drive method : Mechanical bearing, electromagnetic drive
 - Drive speed : 1, 2, 3, 4 mm/sec.
 - Communication : USB 2.0
 - Vibration-proof : Vibration-proof design mounting
 - iQX Accessory : Standard
 - Start button : Standard
 - Required power : AC 100 to 240 V, 50/60 Hz, maximum 50 VA
 - Operation environment : Temperature: 17 to 27 °C / humidity: less than 70 %
 - Output : Format output Canvas
 - ATR Accessory with ZnSe crystal to be quoted.
 - ATR sample contact area 2.5 mm dia
 - Angle of incidence 45⁰
 - Pressure 400kg/cm²
 - FT/IR Should have inbuilt NIST Polystyrene film for calibration.
 - System should have option for high sensitivity measurement which allows measurements in more than twice high sensitivity in certain wavenumber ranges.
 - It should have inbuilt Humidity/Temp Monitoring system.
 - Should be compatible with 12mm gas cell
 - Should be upgradable to attach High Resolution Multichannel Microscope with linear array detector
 - Software: The software should have feature to enable the user real time update of spectral information plus results to provide faster feedback of information data status
 - Warranty: One year on instrument and 3 years replacement warranty on interferometer, source & laser.

All the above specifications should be mentioned in printed original literature of manufacturer. Quoted company must have factory trained experienced engineer North-East/ Kolkata.

Sd/-

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