

UNIVERSITY OF NORTH BENGAL

Office of the Registrar
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সমানো মন্ত্র: সমিতি: সমানী

Notice inviting E-Tender

E-Tender is invited from reputed vendor for supply of equipments in the Biswa Banga Genome Centre University of North Bengal. For details please visit www.wbtenders.gov.in (Tender ID – 2021_DHE_349499_1)

Advt. No. 49/R-2021 Date : 03.11.2021

Registrar (Offg.)

University of North Bengal



P.O. Raja Rammohunpur
Dist Darjeeling
Pin 734013

Notice Inviting e-Tender- 49 / R-2021

e-Tenders are invited from reputed Vendors for supply and installation of equipments in the Biswa Banga Genome Centre ,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	1,00,000/-	30 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 20 (Twenty) days from the date of issuance of the supply order.
- 12) A sum of Rs.1,00,000/- 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 22.11.2021 at 3.00 p.m. and to be opened on 24.11.2021 at 3.00 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 Prof. Arnab Sen, Coordinator, NBU Bioinformatics Facility (Tel no. 9434307487) email Id- senarnab_nbu@hotmail.com, University of North Bengal.

22) Date & Time Schedule

SI NO	Particulars	Date & Time
1	Publishing of Tender	03.11.2021
2	Documents download/sell start date (Online)	03.11.2021 FROM 6.00 P.M.
3	Bid submission Start Date	03.11.2021 FROM 6.00 P.M.
4	Bid Submission End Date	22.11.2021 UPTO 3.00 P.M.
5	Technical Bid Opening	24.11.2021 AT 3.00 P.M.
6	Offline Submission	NO OFFLINE SUBMISSION ACCEPTED
7	Financial Bid Opening	To be notified

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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)

Annexure-I

SI No.	Item	Specification		Quantity
1.	Cooling Centrifuge	Max. RCF	20,000 × g or above	One (1)
		Speed	Minimum 20,000 rpm	
		Display	LED	
		Control communication	Digital	
		Maximum capacity	400-800 ml	
		Power supply	230 V, 50 – 60 Hz	
		Max. power consumption	1,650 W	
		Dimensions (W × D × H)	70.0 × 60.8 × 34.5 cm / 77.5x57.5x47.5 cm	
		Cooling	refrigerated	
		Temperature control range	-8 °C to 40 °C	

SI No.	Item	Specification		Quantity
2.	Thermal Cycler	Sample capacity	96 x 0.2 ml tubes	One (1)
		Reaction Volume Range:	10-100 µl	
		Maximum ramp rate, °C/sec	4	
		Average ramp rate, °C/sec	2.5-3.35	
		Temperature range	4–100°C	

		Temperature accuracy	$\pm 0.5^{\circ}\text{C}$ of programmed target	
		Temperature uniformity	$\pm 0.5^{\circ}\text{C}$ well-to-well within 30 sec of arrival at target temperature	
		Display	color touch screen	
		Port	USB	

Sl No.	Item	Specification		Quantity
3.	Real Time PCR	Maximum ramp rate, $^{\circ}\text{C}/\text{sec}$	2.5	One (1)
		Average ramp rate, $^{\circ}\text{C}/\text{sec}$	2	
		Heating and cooling method	Peltier	
		Lid, $^{\circ}\text{C}$	Heats up to 105	
		Range, $^{\circ}\text{C}$	0–100	
		Accuracy, $^{\circ}\text{C}$	± 0.2 of programmed target at 90°C	
		Uniformity, $^{\circ}\text{C}$	± 0.4 well-to-well within 10 sec of arrival at 90°C	
		Operational range, $^{\circ}\text{C}$	30–100	
		Excitation	5 filtered LEDs	

		Detection	5 filtered photodiodes
		Range of excitation/emission wavelengths, nm	450–690
		Licensed for real-time PCR	Yes
		Sample capacity, wells	384
		Sample size, μ l	1–30 (5–20 recommended)
		Communication interface	USB

SI No.	Item	Specification	Quantity
4.	Double beam UV-VIS Scanning Spectrophotometer	<ul style="list-style-type: none"> • Microprocessor preferably based on UV-Vis Spectrophotometer with high resolution touch screen display for operation on 220V/50Hz • Stand-alone operation or complete control through with Lab Solutions UV Software supplied as standard • True double beam optics with aberration corrected concave blazed holographic grating in Czerny – Turner mounting for high energy throughput and high quality monochromatic light should be there • Wide wavelength range of 1,100 nm to 190nm • High resolution 1 nm spectral bandwidth over entire wavelength range; Wavelength setting and display in steps of 0.1nm; Wavelength accuracy of $\pm 0.1\text{nm}$ for D2 spectral line • Wavelength repeatability/reproducibility of $\pm 0.1\text{nm}$; Wavelength slew rate $\geq 29000\text{m/invariable}$ wavelength scanning speed: $\geq 3000\text{nm/min}$ to 2nm/min should be there • Ultra low stray light of $<0.02\%T$ at 220 nm with NaI filter 	One (1)

		<ul style="list-style-type: none"> • Wide Photometric range of -4 to +4 Abs and 0 to 400%T; High Photometric Accuracy of ± 0.002 Abs at 0.5Abs;High Photometric Repeatability of $< \pm 0.0002$ Abs at 0.5 Abs • Baseline stability/drift:<0.0003Abs/Hr.(700nm,one hour after light source turned ON) • High baseline flatness of ± 0.0006 Abs over entire wavelength • Ultra low Photometric noise of<0.00005Abs(700nm) • Dual source –high intensity Tungsten-Halogen lamp and Deuterium lamp with automatic changeover • High sensitivity detector matched pair Silicon Photodiode detector • 5 USB Ports for high speed PC and printer connectivity, data storage and transfer through USB pen drive • Guaranteed compliance with all Pharmacopoeia requirements /Inspection items compliant with USP & EP to validation function. • Built in functions validation program, diagnostic and security function • All operational modes as standard - Photometric; Spectrum; Quantization; Kinetics, Time Scan, DNA and Protein Quantization in standalone and PC mode. Additionally Multi-Component measurement available in stand-alone mode. • High visibility color touch panel with stylus 	
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SI No.	Item	Specifications		Quantity
5.	Linux server	Processor Brand	Intel	One (1)
		Processor Count	4	
		RAM Size	64 GB	
		Computer Memory	DDR SDRAM	

		Type	
		Hard Drive Size	1 TB
		Hard Disc description	SSD
		Graphics Chipset Brand	Intel
		Operating systems	Linux

Sl No.	Item	Specifications	Quantity
6.	Cold room	Cold Room Dimensions (Internal) In inches	72'' (L) X 96'' (B) X 96'' (H)
		Room Temperature inside coldroom	15°C to -40°C
		Ambient Temperature	35°C
		R.H Value	85-90%
		Pull Down	24 hrs
		Wall & Ceiling Insulation	60 mm thick PUF Panel
		Floor Insulation	60 mm thick PUF panel with aluminum chequered plate
		Hinging Door – 78''x34'' with 60 mm Thick	1 Number
		System Type	Air-Cooled
		Refrigeration Unit Suggested	10000 BTU/hr X 2 No (RUAH-1012KP) one working and one standby
		First charge of Refrigerant	Included in the price part
		Display board all internal Electrical cabling and wiring etc .	Included in the price part
		Refrigerant type	R 22/R407a/R32/R410a/134a
		Humidifier	1 Number

		Quantity	1(one) No.	
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Sl No.	Item	Specification	Quantity
7.	Gene Sequencer	MiSeq System Integrated system for automated generation of DNA clonal clusters by bridge amplification, sequencing, primary and secondary analysis. System includes embedded touch screen monitor and on instrument computer, dual surface imaging capability, MiSeq Software Suite, installation kits and standards, installation and training, and 12 months warranty (including parts and labor).	One (1)

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