



UNIVERSITY OF NORTH BENGAL
OFFICE OF THE REGISTRAR
Accredited by NAAC with Grade A
QUOTATION NOTICE

সমানো মন্ত্র: সমিতি: সমানী

Sealed quotations are invited for purchase of instruments for from UGC Start Up Grant amounting projected expenditure of Rs. 4.98 lakhs. For details, please see: www.nbu.ac.in

Advt. No. 59 /R-2021 Dated: 07.12.2021

Registrar(Offg.)

QUOTATION NOTICE

Sealed quotations are invited for purchase of the following instruments with specifications for UGC funded research project amounting projected expenditure of Rs. 4.98 lakhs in the Department of Pharmaceutical Technology, University of North Bengal. All Quotations, to be submitted accompanying GST & PAN photocopies, duly stamped and signed, along with valid certificates as sole distributor/dealership. All documents must reach in sealed cover, to the Head, Department of Pharmaceutical Technology, University of North Bengal, Darjeeling 734013 within 10 (Ten) days from the date of advertisement. For further query in this matter, please contact at **8442943290**.

Terms and Condition:

1. Copy of current year PT challan, Trade License, PAN card, GST registration certificate duly signed & stamped shall be accompanied with the technical bid documents. [Non Statutory Documents]
2. Rate should be inclusive of all taxes and charges. However, rate of GST and amount should be shown separately.
3. Quotation should be valid till March 31, 2022.
4. Supply shall be done within 30 days after issuing supply order.
5. Item(s) **should be delivered in the Department of Pharmaceutical Technology, University of North Bengal.**
6. All payment will be made **as per financial Rules of the University of North Bengal.**
7. Selection of the agency will be made on the basis of both technical and financial bids. The technical bid and the financial bid should be sealed by the bidder in separate cover duly superscribed and both the sealed covers are to be put in a bigger cover which should also be sealed and duly superscribed. The technical bids will be opened by the office at the first instance and evaluated. At the second stage, financial bids of only the technically acceptable offers will be opened for furnishing value and ranking before finalization and awarding of the contract. After evaluation the highest rate of discount (H1) financial bid from among the technically qualified bidders will be accepted.
8. The University reserves the right to accept in part or in full or reject any or more quotation(s) without assigning any reason or cancel the tendering process and reject all quotations at any time prior to award of contract, without incurring any liability, whatever to the affected bidder or bidder(s).
9. The last date for submission of the tender form is up to 05:30 P.M. of the 10 (Ten) days on and from the date of publication of the advertisement and will be opened on after two working days from stipulated time of the acceptance period at the office of the undersigned.
10. For any clarification regarding tender please contact with the undersigned (Tel. No. **8442943290**).

Registrar (Offg.)

List of instruments with specification and quantity:

Sl. No.	Name of the items with Brand and model no.	Technical and other specifications	Quantity
1.	Dissolution test apparatus (Model DS 8000; Labindia Analytical Instruments Pvt. Ltd.	<ol style="list-style-type: none"> 1. The Tablet Dissolution Tester should be Advanced, Micro-Controller based comply with the requirement of USP / BP / IP Pharmacopoeia with 8 vessels (6+2) configuration. 2. It should have SS Paddles & Baskets with Mono shaft design with automatic adjustment for 25 mm depth setting with easy changeover between Apparatus I & II eliminates routine height validation as per USP. 3. All Shafts, Paddles & Basket should have laser marked positioning. 4. It should have external water circulating pump with heating for precise temperature control within molded Water Bath 5. It should have auto vessel centering provision. 6. System should have integrated pre-centered lids to reduce manual error while removal or positioning of lids to ensures automatic vessel centering and precise positioning of paddle/basket with shaft without any special tool as per pharmacopeia requirements. 7. System should have option of intelligent motorized sampling accessory as per USP/BP/IP etc. with manual sampling provision 8. The system should have parallel port and interface for data transfer to PC. 9. RPM Range - Minimum 20 to 350 rpm or better. 10. Temperature range - 20 to 55 deg C with accuracy of +/- 0.1deg C 11. Dissolution Process time - 1 min to 720 hours or better. 12. System should have built-in facility to check & show the actual RPM. 13. It should have all diagnostic features with error indication. 14. It should have wake up alarm for water level and temperature controlling. 15. System should have provision for Alpha-numeric display & should give GLP compliant printout of complete run parameters. 16. Manufacturer should be ISO and CE certified. 	1 No.
2.	Analytical weighing balance (0.1 mg sensitivity)	Specifications: Capacity/gm: 220gm Readability/ mg: 0.1 mg	1 No.

	(Shimadzu make; , Model- ATY224R, HSN- 8423	<p>Display: LCD Pan Size/dia mm: 91 mm Response time/sec: Approx 1-1.2 sec Calibration/automatic: External Tare Range: Full I/O Terminals: RS232C (D-sub 9P plug), USB device (Type B) Weight: Approx. 6.0 kg Power Supply/ Volt: AC adapter (input 100-240V AC, 50/60 Hz, output— 12V, 1A</p>	
3.	pH meter (Eutech Make Eutech pH 700 Meter, Cat no- ECPH70042S, HSN- 9027)	<p>The pH Meter includes- Eutech pH 700 Meter With pH Electrode (ECFC7252101B), ATC Probe (PH5TEMB01P), Integral Electrode Holder & 100/240 VAC Adapter. Features: Large, easy-to-read display, Ready indicator let you know when readings are stable, Up to 5-point calibration with auto-buffer recognition, Non-volatile memory holds up to 100 data points, Integral electrode holder; Specifications: pH Range: -2.00 to 16.00 pH pH Resolution/Accuracy: 0.01 pH/ ±0.01 pH No. of pH Calibration Points: Up to 5 pH Buffer Options: USA (1.68, 4.01, 7.00, 10.01, 12.45), NIST (1.68, 4.01,— 6.86, 9.18, 12.45) Temperature Range: 0.0 to 100.0 °C / 32.0 to 212.0 °F Temp Resolution / Accuracy: 0.1 °C/ ±0.3 °C Temperature Compensation: ATC / MTC (0 to 100 °C) (pH only) Temperature Calibration: Offset in 0.1 °increments; offset range: ±5.0 °C ORP Range: ±2000 mV ORP Accuracy: 0.1 mV (±199.9 mV) / 1 mV (beyond)</p>	1 No.
4.	Magnetic stirrer (Make IKA, Model – RCT Basic; safety control)	<p>Specifications:</p> <ul style="list-style-type: none"> • Integrated temperature control • Incl. PT 1000 temperature sensor (PT 1000.60) • Exact temperature and speed setting via digital display, even when switched off • Set safety temperature limit displayed digitally • Hot Top indicator >> hot surface warning to prevent burns! • Digital error code display • With adjustable safety circuit of heating plate temperature (50 - 360 °C) • Safety magnetic stirrer with heating, suitable for unsupervised operation • Bushing according to DIN 12878 for connecting a contact thermometer, e.g. ETS-D5, enables precise temperature control • High level of safety thanks to improved heat 	1 No.

		<p>control technology</p> <ul style="list-style-type: none"> • Enclosed assembly (IP 42) guarantees long service life • Aluminium heating plate for optimum heat transfer • Improved magnetic adhesion • Automatic switch-off if the connected external temperature sensor is not immersed in the medium. Function selectable, timeout time adjustable (Error 5). • Number of stirring positions-1 • Stirring quantity max. per stirring position (H2O) 20 L • Speed range 50 – 1500 rpm • Setting accuracy speed 10 rpm • Heating temperature range- Room temp to 310°C • Dimensions (W x H x D)- 160 x 85 x 270 mm • Heat control accuracy with ext. PT1000 (500ml H2O in 600ml beaker,40mm stirring bar,600rpm,50°C) ± 1 K 	
5.	Portable vacuum cum compressor : oil free	<p>Max flow rate: 15 lit/min Max vacuum: 20 inch/Hg Max pressure: 20 PSI Motor: 1/16 / Single</p>	1 No.
6.	Refrigerator (SAMSUNG/Whirlpool 265 L Frost Free Double Door 3/5 Star Refrigerator)	<p>Capacity 265 L Frost Free Double Door 3/5 Star</p>	1 No.
7.	Laboratory stirrer (REMI Make Mini stirrer with PMDC Motor, Model- RQ-121/D, HS#8479)	<p>Mini stirrer with PMDC Motor having Stirring shaft & propeller in SS 316, Digital Speed indicator & speed regulator. Features: Multipurpose stirrers for general purpose & PUF stirring Heavy duty stirrers for pilot plant, bench scale process & small batch production Stirling Shaft: 250 mm length; Dia- 8mm Impeller: Axial Turban; dia- 36mm; Motor: PMDC; Speed: 200-2000 RPM; Stirring capacity: 10 ltr max</p>	1 No.
8.	Microwave 30 Litre; (Make IFB; model 30FRC2)	Capacity 30 Litres	1 No.
9.	Water Bath (Make Borosil; model no. WBC012)	<p>Specifications: Tank capacity 12 litre Flask positions 8 Capacity of flask(ml) 100 – 500 ml</p>	1 No.

10.	Double distillation unit All glass (Make: Borosil; Model- 3362041. HSN code 84194090)	Two Stages, manual Pyrogen free Water Output: 1.5 lit/hr Dimension: 650 X 255X 460 mm Conductivity (S/cm): < 1 X 10 ⁻⁶ Heater- quartz Boiler – Borosilicate Condenser- Borosilicate	1 No.
11.	Centrifuge table top (Make Remi, Model- R-4C; HS-8421) with speed regulator, safety lid lock, digital speed meter & timer; Accessories: (a) Rotor: 8 x 15 ml. angle head with polypropylene tubes. Model- R-43, HS#8421 (b) Rotor: 4 x 50 ml. angle head with polypropylene tubes. Model- R-44, HS#8421	Specifications: <input type="checkbox"/> Stepless speed regulator <input type="checkbox"/> Safety Lid interlock to prevent cover opening during centrifugation <input type="checkbox"/> Wide choice of Swing out / Angle rotors and reduction adaptors Max Speed: 4400 rpm <input type="checkbox"/> Max. RCF: 2350 x g <input type="checkbox"/> Max. Capacity: 200ml <input type="checkbox"/> Dimension: 330 x 370 x 295 mm <input type="checkbox"/> Power Supply: 220-240 Volts 50 Hz. Single Phase	1 No. each
12.	Cyclomixer (vortex mixer; model- CM-101 Plus)	Vortex Mixer with brushless motor & suitable for Interchangeable mixing Heads; Specifications: <input type="checkbox"/> Designed for mixing liquids in Schools, Laboratories & Factories <input type="checkbox"/> Touch/ Continuous Operation mode Selection through bi-directional Switch <input type="checkbox"/> Speed Regulation through knob provided on the control panel <input type="checkbox"/> Interchangeable mixing heads for use with variety of tubes <input type="checkbox"/> Supplied with all interchangeable mixing heads <input type="checkbox"/> Shaking Movement: Orbital <input type="checkbox"/> Orbital Diameter (mm): 4mm <input type="checkbox"/> Motor Type: Shaded-Pole Motor <input type="checkbox"/> Permissible ON time: 100% power 30mins <input type="checkbox"/> Speed range: 0-2500 rpm <input type="checkbox"/> Run Type: Continuous / touch operation <input type="checkbox"/> Dimensions: 127 x 130 x 160 <input type="checkbox"/> Weight: 2.8 kg <input type="checkbox"/> Power Supply: 220/240 Volts, 50 Hz, 32W	1 No.
13.	Ultrasonic Bath sonicator (Ultrasonic Bath, Made in collaboration with M/s.	Product Specification: Ultrasonic Chambers with conventional bottom mounted PZT Transducers with microprocessor based digital control. Body make of SS316 electropolished die pressed tanks , Fully transistorized based	1 No. each

	<p>Telsonic AG, Switzerland; Model: TPC-15H)</p> <p>Accessories:</p> <p>(a) Tank cover for 1.5 lit</p> <p>(b) Insert Basket for Tank for 1.5 lit</p>	<p>in built compact generator, automatic tuning of ultrasonic frequency.</p> <p>Tank capacity: 1.5 Ltrs</p> <p>Dimension(Outer): 18x16.5x22cm</p> <p>Dimension(Inner): 15x13.5x10 cm</p> <p>Digital Timer : 1 sec – 99min</p> <p>Digital adjustable Temp Controller: 80° C</p> <p>Output power of heater : 120 watts</p> <p>Output Frequency : 30 KHz</p> <p>Warranty one Year</p>	
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