

Biochem/AK/DBT proj/2026-27/01

Date: 25.09.2026

Notice Inviting Quotations for Supply of Laboratory Equipments in the Biochemistry Department

The Department of Biochemistry, North Eastern Hill University, Permanent Campus, Mawkynroh, Shillong-793022, quotations are invited from the registered and approved companies/suppliers/vendors for supplying the following items.

Quotations complete in all respect should reach to the undersigned on or before **05/10/2026** at **Department of Biochemistry, NEHU, Shillong**. Quotation should be submitted in hard copy in a sealed envelope super-scribed as NIQ “**Biochem/AK/DBT proj/2026-27/01** dated **25/09/2026**”. If due date of opening is declared holiday, quotations will be opened on next working day at the same time and place.

Quotations received after the due date will not be entertained.

Terms and Conditions:

1. The quoted price should be inclusive of all taxes and other charges till delivery destination, i.e, Department of Biochemistry, NEHU.
2. The quotation should clearly mention unit price, total price, applicable GST/any other taxes (item wise).
3. Firms should submit their GST Registration Certificate, Pan Card along with relevant certificates issued by the competent authority. Firms should submit their valid trading license issued by competent authority (as applicable)
4. The rates should be quoted along with supporting documents of specifications and technical features.
5. Submission of catalogue along with quoted rates for the items are mandatory and selected catalogue of the particular firm will be retained by the Department till the items are supplied.
6. Quoted rates should be at least valid for 6 months from the date of approval of quotation.
7. The payment will be made only after installation of the equipment and to our complete satisfaction, and bills may be submitted in triplicate. The payment will be made by the Finance Officer, NEHU. Vendors/ Suppliers may contact the Finance Officer, NEHU, for any subsequent payment related issues.
8. The DPC reserves the right to reject any quotation or all without assigning any reason(s) thereof.
9. Quotation price should be mentioned as per the Quantity/Size of the NIQ.
10. Separate quotations should be provided for the items listed at S.No. 1-5.

List of equipment

S. No.	Name of Equipment	Specifications	Units
1.	Laminar hood (4 ft)	1. Laminar Air Flow : Type Horizontal & Vertical 2. Working space 20 cft 3. Working table made of Stainless Steel 316 Grade 4. Body : MS, powder coated. 5. Noise level : below 65lb. 6. Stand with caster wheels. 7. IR sensor loop sterilizer. 8. Air velocity : 100FPM 9. 100% Exhaust air flow blower 10. Front door UV sterilized & protected polycarbonate sheet 11. Filter type : HEPA 0.3micron with pre-filter. 12. Inbuilt UV & Fluorescent lamps. 13. IR sensor compatible built position Micro-sterilizer 14. Digital display with timer. 15. Liquid handling device inbuilt 16. Automatic sash door. 17. Upgradable to Biosafety cabinet. 18. Manometer & gas cock will be provided. 19. Physical demonstration can be asked by the user if required. 20. Automatic UV shut off : When door will opens uv light will be off automatically.	1
2.	Minor accessories:		
	i. Pipette set	Single channel, Adjustable volume, Fully autoclavable, Mechanical air-cushion pipette with 2-button operation (one operating element for volume adjustment / pipetting, and one for tip ejection), and customizable settings for easy, ergonomic, and reliable pipetting - Shorter control button with integrated volume adjustment enhances ergonomics for all and provides added comfort for small hands - Unique volume gear shift to either speed up volume changes by up to 40% ('fast' setting) or fine-tune easily with just one hand ('easy' setting) - Volume lock to prevent unintentional volume changes during pipetting, pipette holding stand, - Pipetting performance beyond ISO 8655 requirements when used with (- Ergonomic design according to the (PhysioCare Concept (URL: null)) [®] : well-balanced, organic, lightweight, and featuring low pipetting forces- Spring-loaded tip cones reduce tip attachment and ejection forces, minimizing the risk of strain injuries - Temporary adjustment to increase accuracy for various liquid types, tip geometries, or altitude without permanently altering the factory calibration - Removable labeling and marking options with [ColorTag pipette marking rings] - Full autoclavability, high UV and chemical resistance, along with easy disassembly and reassembly, facilitate versatile use and effortless decontamination and cleaning Technical Specifications: - Weight w/o accessories: 76 g Liquid handling capacity Range : 0.01-1250 µl	Set 4



	ii. pH meter	Digital Microprocessor based pH meter : 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 1000 data points Integral electrode & sample holder for temperature sensitive reagents. pH range -2 to 16pH Resolution & Accuracy : $\pm 0.01\text{pH}$ 5 point calibration. Tris compatible micro electrode for sample measuring purpose in cuvettes. Buffer Sets : USA (1.68, 4.01, 7.00, 10.01, 12.45), & NIST (1.68, 4.01, 6.86, 9.18, 12.45) Complete with electrode & ATC probe, ORP Range & Rel. mV range $\pm 2000\text{mV}$, Resolution : 0.1 mV ($\pm 199.9\text{ mV}$) / 1 mV (beyond) Accuracy: $\pm 0.2\text{ mV}$ ($\pm 199.9\text{ mV}$) / $\pm 2\text{ mV}$ (beyond) Calibration : Offset in 0.1 °increments; offset range: $\pm 5.0\text{ }^{\circ}\text{C}$ / $\pm 9.0\text{ }^{\circ}\text{F}$ Temperature range : 0 – 100 Deg. C for meter, Temperature 4 – 5 Deg.C for Sample holder work station, Sample holder Unit dimension 17x21x4.5cm, Multiple sample 0.2ml to 50ml + can be measured, Compensation : ATC/MTC (0-100Deg.C) for pH, Complete with pH buffers sets. Complete with transparent dust cover with acrylic sheets	1
	iii. Electrophoresis unit with supply	Electrophoresis Unit Horizontal DNA Gel apparatus complete with Power pack system (Imported) Complete with Gel Casting Tray for multiple gel size. Gel size 12.8 x 12.8cm & 5.75 x 6.25cm Tray 1: 40 wells: 2 combs, Tray 2: 16 wells: 2 combs, Tray 3: 8 wells: 2 combs. UV transparent Gel casting tray inbuilt. Gel casting unit with multi-comb options. Platinum electrode assembly. Gel tank & tank lid inbuilt. Suitable power pack for the Gel set.	1
	iv. Mini Centrifuge	Speed range 400 to 15000rpm, RCF 16100xg, Total sample capacity maximum 120ml Rotor capacity 12x2ml & 8x15ml, Rotor base metal, speed increment 100rpm & 100rcf, Timer : Upto 99min & continuous, Acceleration 10 sec. Deceleration : 12 sec. with adapter for 0.5ml & 0.2ml tubes, Momentary : Yes, Digital Display, All operating parameters are set using a single, conveniently located control knob and the large, bright LCD provides a clear indication of time and rpm or g-force. A separate momentary spin button permits instant spin downs, without setting or disturbing any preset parameters. The aircraft grade aluminum rotor accepts 1.5 to 2.0ml tubes directly, as well as 0.5ml and 0.2ml tubes with optional adapters. Safety lid-lock, prevents opening lid until rotor stops. Unique air-flow design should keep samples cool, 12 to 13mm tubes capacity rotor should be available. Cold room compatible. If required physical demonstration can be asked for.	
3.	Bacterial incubator cum shaker	Temperature range : + 5 to 85 Deg. C, Accuracy : 0.01 Deg. C Internal Dimension : 24x24x36 inch. Shaker : Upto 400rpm. Rack : 2 SS (adjustable), Body Inner SS, Outer Powder coated. Flask capacity 12-30 capacity flask, Flask capacity 50ml to 5 Ltr, Magnetic platform with Magnetic flask clamp, Vibration free cooling technology, Digital display with UV sterilizer & timer. Double protected door, Inner Glass, outer Solid. With light illumination. Space saving environmental incubator Shaker double stacked or can be used on or under the bench.	1

		Microprocessor Controlled Drive Mechanism: Triple- eccentric counterbalanced drive in cast-iron housing with 9 permanently lubricated ball bearings. Solid state brushless DC motor Timer: Programmable shaking periods from 99 min. Triggers audible alarm & energizes status light at end of period. Can be deactivated for continuous operation Alarm: Audible & visible: Indicate when speed deviates more than 5 rpm or temperature more than 1° C from set points, and when timer operation has expired. LED Display: Indicates speed, temperature, running time & alarm conditions. Safety: Sensors limit speed when shaker is unbalanced, stops shaker when excess vibration is detected or door opened, and shuts off temperature when high temperature. Limit is exceeded Computer Interface: RS 232 for data logging & control using laboratory management software or Hyper Terminal Set point Retention: Set points and operating status retained by non-volatile memory. Automatic restart after power is restored. Unique Acceleration - Decleration Circuit prevents sudden starts & stops. Automatic Restart after power interrupt with non-volatile memory keeps studies running smoothly Optional 2 Port Gassing manifold permits direct gassing into flasks or other vessels Optional Culture drawer provides easy slide out access for plates & other samples. Prevents samples from drying out Cool running brushless motor never requires lubrication, and provides years of long life Open door cutout switch stops agitation when door is open Thermostat Fail safe shuts off heaters if high limit is exceeded Space saving environmental incubator Shaker double stacked or can be used on or under the bench. Microprocessor Controlled Drive Mechanism: Triple- eccentric counterbalanced drive in cast-iron housing with 9 permanently lubricated ball bearings. Solid state brushless DC motor Timer: Programmable shaking periods from 0.1 hr to 99.9 hrs optional. Triggers audible alarm & energizes status light at end of period. Can be deactivated for continous operation Alarm: Audible & visible: Indicate when speed deviates more than 5 rpm or temperature more than 1° C from setpoints, and when timer operation has expired. LED Display: Indicates speed, temperature, running time & alarm conditions. Safety: Sensors limit speed when shaker is unbalanced, stops shaker when excess vibration is detected or door opened, and shuts off temperature when high temperature. Limit is exceeded Computer Interface: RS 232 for data logging & control using laboratory management software or Hyper Terminal Setpoint Retention: Setpoints and operating status retained by non-volatile memory. Automatic restart after power is restored. Unique Acceleration - Decleration Circuit prevents sudden starts & stops. Automatic Restart after power interrupt with non-volatile memory keeps studies running smoothly Optional 2 Port Gassing manifold permits direct gassing into flasks or other vessels Optional Culture drawer provides easy slide out access for plates & other samples. Prevents samples from drying out Cool running brushless motor never requires lubrication, and provides years of long life Open door cutout switch stops agitation when door is open Thermostat Fail safe shuts off heaters if high limit is exceeded Timer and Parameter Control : 4 modes : Technical Details: Temperature Range: 20° C below ambient to 80° C . Min. setpoint is 4° C Accuracy: ± 0.1° C with a nominal uniformity of ± 0.25° C at 37° C Heaters: Low watt-density, resistance type heaters with high temperature safety thermostat cut off Shaking Range: 25 to 400 rpm when stacking 2 units, with 1" (2.5 cm) orbit Shaking Control: ± 1 rpm Electric Service: 230V 50Hz Power: 1500 VA Illumination Chamber: 2 internal 12 V, 100 Watt halogen lights	
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		illuminate chamber Ambient Conditions: Temperature 10° C - 35° C, If required physical demonstration can be asked for.	
4.	Autoclave	Vertical Autoclave Capacity : 50 ltr and above, Automatic purging for efficient sterilization. • Body SS 316 grade. • Preset (at 121°C) Digital temperature indicator cum Controller linked to a preset (20 min) timer. • Low water level cut off. • Autoclaving double stage chamber inbuilt with multiple volume. • Sterilization indicator inbuilt • Fitted with a Safely Valve / Fusible Safety Plug for added safety. • End of cycle buzzer. • Sample accumulator for autoclaving purpose should be provide • Supplied with traceable certificate for Pressure Gauge and temperature Indicator. • Dimension should not more than 85 x65x1200mm	1
5.	-20 °C freezer	• Capacity 300 Ltrs & above. • Upright model • Sample storage vials cryo box includes. • Sample storage vials of 1.8ml to 4.8ml with internal threads & external threads. • Temperature range -20 Deg. C • Inbuild coolcaddy system • Load 140 Watts. • Single Solid door. • Cooling bricks designed in each tray. • No. of shelves & drawers 5-7	1

Sd./-

Dr. Arvind Kumar

Principal Investigator

DBT project

Department of Biochemistry

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