



CALCUTTA SCHOOL OF TROPICAL MEDICINE

GOVERNMENT OF WEST BENGAL

108 Chittaranjan Avenue, Kolkata - 700073

Phone : 033 2212 3695/96/97 Fax : 033 2212 3698

Website : stmkkolkata.org

Memo No. STM/STORE/QUOTE/141/2022-23 QUOTATION NOTICE Date: 23.01.2023

Sealed QUOTATIONS are invited from the Reputed Company/Direct Importers/Authorized distributor firms for supply of items as mentioned below at the Zoonosis Laboratory (NOHP-PCZ, ERC), School of Tropical Medicine, Kolkata.

The QUOTATION is to be submitted in the drop box which will be kept at the office chamber of the undersigned on all working days from 24.01.2023.

The last date of submission of QUOTATION is 30.01.2023 up to 1 pm and the same will be opened on the same date at 2 pm in presence of interested bidder, if any. The bidders will submit the QUOTATION in their own official pad along with the following essential documents:

Valid Trade License / Enlistment
PAN card of the Bidder /Bidder Company
GST Registration certificate
IT Return of the last financial year

The financial quotation should be quoted as per the following table only :-

Item	Unit Price	GST	Total price
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Physical verification of samples and or physical demonstration may be done at the discretion of the hospital authority by a team of expert to adjudge the applicability or suitability of the product or products in the functional requirement of the patients since the items are life savings and the technical evaluation will be done accordingly in close observation of the product or products, technical brochures along with Test certificate produced and physical sampling thereof.

The Quotation should be dropped in the Drop Box kept at the Office of the MSVP (2nd Floor, Main Building). On Monday to Friday between 11 am to 4 pm and Saturday at 11 am to 2pm except Sunday and holidays.

No hand written document accepted only printed documents submitted.

SL. No.	Item Name	Specifications
1	Vortex	Specifications are attached with this letter.

Rupali Dey 23/1/2023

Medical Superintendent Cum Vice Principal
School of Tropical Medicine, Kolkata

Prof. Rupali Dey
Medical Superintendent Cum Vice Principal
Calcutta School of Tropical Medicine
Kolkata-700073





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Annexure I

1. Specifications for Vortex Mixer:

1. Power consumption should be equal of less than 32 with supply line of 220-240 V; 50 Hz single phase.
2. Smooth orbital shaking motion
3. Should be fitted with Shaded pole motor.
4. Speed range should be 0-2500
5. Weight should not exceed 4 kg.
6. Speed regulation through knob provided on the control panel.
7. Interchangeable mixing heads for use with variety of tubes
8. Supplied with all varieties of interchangeable mixing heads.
9. Touch/continuous operation mode selection through bi-directional switch.
10. Should have the following interchangeable mixing heads.

Rupali Dey
21/11/2023

Prof. (Dr.) Rupali Dey
Medical Superintendent and Vice Principal
Nodal Officer, NOHP-PCZ, RC, Eastern Region,
School of Tropical Medicine, Kolkata





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SL. No.	Item Name	Specifications
1	Dual Tank Water Bath	Specifications are attached with this letter.

Rupali Dey 23/1/2023

Medical Superintendent Cum Vice Principal
School of Tropical Medicine, Kolkata

Prof. Rupali Dey

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Annexure I

Specification for Dual Tank Water Bath

Water Bath Chamber, Capacity and Construction

1. Water bath with dual chambers with capacity of 4-5 liters and 10-12 liters
2. Both chambers should be double walled and rectangular in shape.
3. Inner chamber should be made up of high grade stainless-steel /SS 304 with durable polished finish.
4. Outer chamber should be made up of Epoxy/ Powder coated Stainless Steel SS 304.
5. Weight should be <10 Kgs.
6. Should be provided with at least 2 racks.
7. It should have raised feet which allow lifting whilst holding base of tank.
8. Non-drip polycarbonate lid should be included as standard to limits evaporation and conserve energy.
9. Chemical and abrasion resistance polycarbonate perforated base tray should be included as standard.

Heating arrangement parameters

10. Heating shall be done by an internal heating coil.
11. Heating capacity should be 2800 Watts

Control Panel and Display Unit

12. Control panel should have ON/Off Switch. Heating & Temperature (Set & Actual) Indicators. Power mains Indicator, Temperature controller.
13. It should have digital display and 3-digit wide angle view temperature display.
14. It should have digital PID control for quick heat-up and precision control throughout the temperature range.
15. It should have a removable bottom plate.

Water Bath temperature

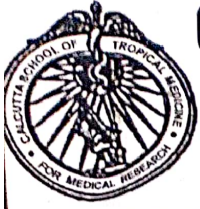
16. Should have temperature range should be 5°C above ambient to 99°C in 0.1 steps
17. Should have temperature control sensitivity of $\pm 0.2^\circ\text{C}$ or better at 37°C
18. Should have least temperature increment step available of 1 °C
19. Should have a temperature accuracy of $\pm 0.5^\circ\text{C}$ or better
20. Should have a low fluid alarm, high limit alarm, over temperature alarm or a cutoff redundant safety thermostat which protects the bath to accidentally run without water.

Miscellaneous features

21. Should be provided with a lid cover which is gable shaped
22. Chamber should be provided with a drain tap
23. Should be provided with steel holder for tubes and flasks
24. Should have countdown timer with audible buzzer for accurate reaction timing.
25. It should have heater mat sensor bonded to underside of tank to optimize temperature uniformity and workspace.
26. Should have a power requirement of 220 V, 50 Hz Single Phase AC
27. Should provide a test report from Govt./ NABL/ILAC accredited laboratory to prove conformity to specification.
28. Equipment should have ISO 9001 :2008/ CE certification.

Prof. (Dr.) Rupali Dey
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Nodal Officer, NOHP-PCZ, RC, Eastern Region,
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SL. No.	Item Name	Specifications
1	Centrifuge machine 15ml	Specifications are attached with this letter.

Rupali Dey
23/1/2023

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Annexure I

Specification for Centrifuge Machine 15 ml:

1. Should have 15ml falcon tube holding capacity
2. Rotor capacity should be 12x15ml
3. No. of tubes – 12
4. Maximum speed should be 5000 rpm.
5. Digital Timer Range - 0-99 min
6. Should have with brushless induction motor, frequency drive, LED display of speed & time, with Angle rotor suitable for 12 tube of 15ml.
7. Speed control should be through VFD
8. Microprocessor controller with feather touch keys
9. Lid interlock and Dynamic brake
10. Should possess imbalance detection, emergency lid opening
11. Last parameter recall feature
12. Calibration window

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