

**OFFICE OF THE SUPERINTENDENT**  
**SCB MEDICAL COLLEGE & HOSPITAL, CUTTACK, GOVT. OF ODISHA**  
Email ID- scbsuperintendent@gmail.com, ph.-0671-2414080  
**website:** at (www,scbmch.in)

**TENDER DOCUMENT**

**TENDER FOR SUPPLY & INSTALLATION OF  
EQUIPMENT FOR SET-UP OF HUMAN LEUCOCYTE  
ANTIGEN (HLA) LABORATORY FOR TRANSPLANT  
PATIENT IN TRANSFUSION MEDICINE SCB MCH  
CUTTACK**

**Period of availability of tender document  
in website :scbmch.in**

**21-11-2022 to 12-12-2022**

Date & time of Pre-Bid Conference

06-12-2022, 11:30 AM

Last Date & time for Submission of Tender:

16-12-2022, 12:30 PM

Address of Submission of Tender Document:

Office of the Superintendent,  
SCB Medical College & Hospital,  
Mangalabag, Cuttack-753007, Odisha

Date & time of opening of the Technical Bid:

16-12-2022, 4:30 PM

**OFFICE OF THE SUPERINTENDENT**  
**SCB MEDICAL COLLEGE & HOSPITAL, CUTTACK, GOVT. OF ODISHA**

**SUPPLY OF EQUIPMENT FOR HLA AT TRANSFUSION MEDICINE SCBBMCH**  
**CUTTACK**

Sealed tenders as per the terms and conditions contained in this Tender document are invited from eligible bidders (Manufacturer/ Importer/Authorized distributor) for supply of Instrument/ Equipment, the details of which are specified at Schedule of Requirement & Technical Specifications– Section III of the tender document.

This Tender document contains the following:

- Section I – Instructions and information for submission of Tenders
- Section II – Terms and Conditions
- Section III – Schedule of requirement
- Section IV - Technical Specification
- Section V - Formats of the Tender

**The deadline for submission of Tender is 16-12-2022, 12:30 PM**

The Superintendent, SCB MCH, Cuttack reserves the right to accept and or reject any or all the tenders without assigning any cause or reason thereof. No claim in whatsoever form from any firms for such decision of Superintendent, SCB MCH, Cuttack shall be entertained.

**sd/**  
**Superintendent, SCB MCH, Cuttack**

## **Section-I**

### **Instructions and information for submission of Tenders**

Tenderers as per the eligibility criteria are required to submit their tenders in sealed envelopes as per the instructions given at Clause 5 -FORMATS AND SIGNING OF TENDERS and Clause 6 - SEALING AND MARKING OF TENDERS and must submit before the deadline given at Clause 7- DEADLINE FOR SUBMISSION OF TENDERS of this Section.

The sealed envelope(s) containing the Tender(s) must **be delivered at the address mentioned in the covering letter** within the last date and time for submission of Tenders.

**The tenderer may quote for any or all the items mentioned in Section-III.**

#### **Eligible Tenderers:**

In order to be eligible, the **tenderer**

- Shall submit the required EMD Rs.20, 000/- in favour of Superintendent, SCB MCH payable at Cuttack.
  - Shall be a manufacturer / Importer /Authorized distributor of the manufacturer
  - Shall have Annual Average turnover of minimum **Rs.50,00,000/-**(Rupees fifty lakh) only or more during the financial years 2019-20 to 2021-22 ) with Audited Balance sheet and profit & loss Account duly certified by authorized Chartered Accountant
  - In case of authorized distributor/Importer, shall have manufacturer/ Importer's authorization (as per format at Format –T6).
  - Should have supplied (as per the schedule quoted) to Govt. organizations, Public Sector undertakings, Govt. Societies during the last three years. Details to be furnished in Format T8 along with Purchase order copies in support of that.
  - Furnish EMD Rs.20,000/- in shape of DD/TDR with tender document pledged in favour of Superintendent SCB Medical college Hospital Cuttack
  - **Tender cost of Rs.5,000/- (Rupees Five thousand) only in shape of DD/Money receipt from Accounts**
- Section Users**
- Shall have PAN
  - Shall have GST registration certificate with GSTR 3B & GSTR-I for the month of 10/2022

## FORMAT OF THE TENDER

The tender should be submitted in English and be set out in two main parts

- Part A - Technical Bid
- Part B – Commercial Bid

### PART A – TECHNICAL BID

The **Technical BID** should consist of the following documents:

- Checklist – **Format T1**
- Technical Bid Submission Form - (**Format T7**)
- **Tender document cost of Rs.5,000/- (Rupees Five thousand) only**
- **Earnest Money Deposit (EMD)Rs.20,000/-**
- Photocopy of the registration certificate of the firm/company
- Photocopy of the GST registration certificate with GSTR 3B & GSTR-I for the month of 10/2022
- Photocopy of PAN
- Annual Turnover Statement certified by the Chartered Accountant – **Format T5**
- **Photocopies of audited annual statement** of the last three years and the turnover figure should be **highlighted** there.
- Manufacturer's Authorization Certificate ( authorized distributor/ importer) – **Format T6**(In case of & Instruments only)
- Details of Technical Specification of the products offered – **Format T7**
- Technical brochures/Leaflets of the product offered (For each items of the ,
- Past Experience in executing similar items during the last three years – (**Format T8**)
- Copy of purchase orders as mentioned in Format –T8
- Copy of Tender document, duly Signed with **seal** by the Tenderer on each page

### PART B:PRICE BID

The **Price Bid** should consist of the following documents:

- Price Bid Submission Form on the letterhead of the firm (**Format -P1**)
- Price Formats (Use **Format - P2**)

### General Information

1. **Last date and time for submission of Tenders:** On or before **16-12-2022on 12:30 PM**

#### 2. **Schedule of Tender Opening**

The tenders received by the office of the Superintendent, SCB MCH, Cuttack, within the deadline for submission of tenders will be opened at the office address mentioned at clause 6.2

The Technical bids shall be opened in the presence of the tenderer/ their duly authorized representatives (who choose to attend the tender opening) at 16-12-2022 on 4:30 PM In the event of the specified date of Tender opening being

declared a holiday for the Purchaser, the Tenders shall be opened at the appointed time and location on the next working day.

The Commercial bids of **only those tenderers** who meet the eligibility criteria after the assessment of its technical bid, will be opened in the presence of the tenderer/their duly authorized representatives (who choose to attend the bid opening). The date of opening of the commercial bid shall be intimated to the technically qualified tenderers.

### **3. Amendment of Invitation**

In case of any discrepancy between the Press Advertisement, other detailed provisions of the tender document and the updated version on the web (up to 12-12-2022 till 12:30 PM), the web-version will prevail. At any time prior to the authority reserves the right to add / modify / delete any portion of this document by issuance of an addendum/corrigendum, which would be published only in the web site: <http://www.scbmch.in> and will be binding on the tenderers. The quantities of the items may increase or decrease considering the need of the users.

### **4. Period of Validity of Bid**

For the purpose of placing the order, the bid shall remain valid for **a period of one year.**

### **5. Formats and Signing of Tenders**

5.1 The Tender shall be neatly typed and shall be signed, by an authorized signatory (ies) on behalf of the Firm. All pages of the Tender, except for un-amended printed literature, shall be initialed by the person or persons signing the Tender.

5.2 The Tender shall contain no interlineations, erasures or over writing. In order to correct error made by the tenderer, all corrections shall be done & initialed by the authorized signatory after striking out the original words / figures completely.

### **6. Sealing and Marking of Tenders**

6.1 The Tenderer shall seal & mark the Tender as follows:

The Tenderer shall seal & mark various parts of the tender as follows:

- a) Technical bid in one envelope super-scribed with words **“Technical Bid for Supply & installation of HLA Equipment’s**
- b) Price bid in one envelope super-scribed with words **“Price Bid for Supply & installation of HLA Equipment’s**
- c) All two envelopes (Technical and Price Bids) shall be sealed in a covering envelope super-scribed with words **“Tender for Supply & installation of HLA Equipments on 16-12-2022 at 4:30 PM”.**

6.2 Every envelope and forwarding letter of various parts of the tender shall be **addressed to:**

**The Superintendent,  
SCB Medical College & Hospital,  
Mangalabag,  
Cuttack-753007, ODISHA**

The name of the firm/company should be mentioned in the bottom left portion of each envelop.

- 6.3 Tenders may be submitted **through Speed post / Registered post / Courier**. Tenders sent through Telex / Telegrams / Fax / Email shall not be acceptable.
- 6.4 The envelopes are not sealed as per para and marked as required above, the office of the Superintendent, SCB MCH, Cuttack shall assume no responsibility for the tender's misplacement or premature opening.
- 6.5 The envelope shall be sealed by signing across all joints & pasting good quality transparent adhesive tape on top of such joints & signatures.
- 6.6 The envelope shall be properly sealed and carry the name and address of the firm/company.

## **7. Deadline For Submission of Tenders**

Tenders will be received by office of the Superintendent, SCB Medical College & Hospital, Cuttack at the address specified above at clause 6.2, till **16-12-2022 on 12:30 PM**

## **8. Late Tenders**

Any Tender received by office of the Superintendent, SCB Medical College & Hospital, Cuttack after the deadline for submission of Tenders, as per Clause 7 above shall be returned unopened.

## **SECTION-II**

### **TERMS AND CONDITIONS**

#### **1. Scope**

This scope of work covers supply & Installation of HLA equipments as per technical specification (as mentioned at Section IV) at the consignee locations (as mentioned at Section III and Annexure -I) and providing services for comprehensive onsite warranty.

The rate of which will be valid for a period of **one year** from the date of finalization of tender. After finalization/approval of the supplier & the rate, purchase order shall be placed by the Superintendent, SCB MCH, Cuttack.

#### **2. Earnest Money Deposit:**

(i) The bidders have to submit the EMD Rs.20,000/- in shape of DD/FDR with the technical documents pledged in favour of Superintendent SCB Medical College Hospital Cuttack.

(ii) The EMD will be returned to the unsuccessful bidders after completion of the tender process.

(iii) The EMD will be forfeited if successful bidder fails to execute the order within the stipulated period or violate the terms and condition of the tender.

#### **3. Installation & Demonstration**

The purchaser may ask for demonstration of to ascertain the quality/specification as asked for.

#### **4. Price**

The unit price quoted should be in Rupees and in the price schedule format P2 mentioned in the tender. All taxes should be clearly stated separately as mentioned in the price schedule.

#### **5. Evaluation and comparison of tenders:**

- a. The tenders will be evaluated as per the eligibility criteria, terms & condition and technical specification of the tender.
- b. The price bid of those bidders shall be opened whose technical bid are found to be responsive as per technical specification.
- c. The technical committee may ask for demonstration of the, equipment as a part of technical evaluation.
- e. The eligible and technically qualified firm quoting the lowest price will be selected on the basis of the rates offered.
- f. The GST will be charged as per the guidelines given by the Finance Dept., Govt. of Odisha from time to time. GST (as applicable) will be paid to the supplier

## 6. Purchase Order

The Purchaser shall be issued to the lowest evaluated responsive bidder by the Superintendent, SCB, MCH, Cuttack as per the requirement.

## 7. Validity of the Bid

For the purpose of placing the purchase order, the bid shall remain valid for a **period of 12 months.**

## 8. Performance Security:

Within 7 days from the receipt of the letter of award/purchase order, the successful tenderer should submit a performance security in the shape of DD/BG(**from any Nationalized/ Scheduled Bank and valid for 2 years beyond the warranty period**) of an amount equal to **10% of the purchase order/contract value.** The performance security should be made in favour of the Superintendent, SCB Medical College & Hospital payable at Cuttack. The proceeds of the Performance Security shall be payable to Office of the Superintendent, SCB MCH, Cuttack as compensation for any loss resulting from the firm/Company's failure to fulfill the obligations under the scope of work and terms & conditions of the Purchase Order.

## 9. Delivery

The supply of the Equipment's (Department of Transfusion Medicine) at the consignee places shall be completed in all respect **within 30days** from the date of issue of purchase order.

## 10. Delay in Supply

The time schedule for completion of the supply as mentioned as above is very important and the supplier must take utmost care to complete the work within the time specified. If the supply is delayed for any reason for which the Superintendent, SCB MCH, Cuttack is not responsible. If fail to completion order within the stipulated period the committee will decided to take action as applicable.

## 11. Payment Terms

100% payment will be released after successful supply, Installation & demonstration of full quantity as per purchase order and duly submission of 10% performance security(to cover the warranty period) against submission of bill along with duly signed stock entry certificates from the consignee.

## 12. Warranty

- 12.1 The supplier shall warrant comprehensively that the equipment's supplied under the contract is new, unused and incorporate all recent improvements in design and materials. The supplier shall further warrant that the goods supplied under the contract shall have no defect arising from design, materials or workmanship or from any act or omission of the supplier that may develop under normal use of the supplied goods in the conditions prevailing in India.
- 12.2 This comprehensive on-site warranty shall remain valid for **three years** from the date of supply
- 12.3 In case of any unsatisfactory performance of equipment(s) or any claim arising out of this warranty, the purchaser/consignee shall promptly notify the same in writing or over phone or by fax to the supplier.
- 12.4 Upon receipt of such notice/communication, the supplier shall, within 48 hours on a 24(hrs) X 7 (days) X 365 (days) basis, rectify or replace the defective goods or parts thereof, free of cost, at the ultimate destination.



- 12.5 If the supplier, having been notified, fails to rectify or replace the defective goods or parts thereof within 48 hours on a 24(hrs) X 7 (days) X 365 (days) basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier.

### **13.Spare Part /Spare Equipment**

The successful tenderer will stock adequate spare part / spare equipment to provide services during the warranty period so that the equipment can be repaired/replaced within 48 hours.

### **14. Inspection**

The purchaser or its authorized representative may inspect the equipment after its supply to verify that the same is as per the technical specification

### **15. Training & User Manual**

The supplier will provide hands on training to the designated staff of the consignee in his own cost for operating / handling at the time of supply of equipments for HLA

The supplier / firm will provide the user manual/warranty certificate to the consignee at the time of supply.

### **16. Penalties**

If the successful tenderer fails to deposit the required performance security within the time specified or withdraws his tender after acceptance of his tender owing to any other reasons or unable to undertake the contract, then the contract will be cancelled and a penalty of 2% of the order value shall be imposed by the purchaser.

Violating the tender terms and conditions & non supply / supply which is not as per technical specification will disqualify the firm to participate in the tender for a period of 3 (three) years from the date of issue of letter and his performance security deposit will be forfeited and no further purchase order will be placed to that firm for that item.

### **17. Arbitration**

The Superintendent, SCB MCH, Cuttack and the supplier shall make every effort to resolve amicably by direct negotiation on any disagreement or dispute arising between them under or in connection with the work assigned. In case of their failure to resolve the matter will be referred to Superintendent, SCB MCH, Cuttack whose decision will be final and binding on both parties.

The arbitration proceedings shall be held in Cuttack, Odisha

### **18. Disputes & Legal Jurisdiction**

All legal disputes are subject to the jurisdiction of High Court of Odisha.

### **Section-III**

#### **A. List of specifications for equipments of HLA Laboratory**

1	Bath Sonicator
2	Dry Heating Block
3	Vortex Mixer
4	Plate Shaker 200 rpm single plate (Mini rotary shaker)
5	Cryoblock for Taq / Mini cool box
6	PCR Plate holder tray
7	Tubes holder (Interlocking Micro Tube Rack)
8	Multichannel pipette- 5-50 ul range
9	Multichannel pipette- 30-300 ul range
10	Single channel pipettes 100-1000 ul
11	Single channel pipettes 20-200 ul
12	Single channel pipettes 2-20 ul
13	Single channel pipettes 0.2-2 ul
14	Hamilton Syringe 0.2-50 ul single channel
15	Hamilton Syringe 250 ul single channel
16	Hamilton Syringe 50ul multi-channel 6
17	Hamilton Syringe 250ul multi-channel 6
18	Laminar hood (Laminar Air Flow)
19	Micro Centrifuge(14000rcf)
20	Inverted Microscope
21	Refrigerator 2-8 Degree 300 lt
22	Refrigerator -20 to-30 degree 200 lt
23	Vacuum Manifold and Pump
24	Mini Centrifuge

## **Section-IV**

### **Specification of Items for HLA Laboratory**

#### **SPECIFICATIONS FOR BATH SONICATOR :**

Digital Ultrasonic cleaning is based on the cavitation effect caused by high frequency ultrasonic wave vibration signal in the fluid. Microscopic bubbles are formed, and they implode violently causing the cavitation which create an intense scrubbing action on the surface of the item being cleaned. The bubbles are small enough to penetrate microscopic crevices, cleaning them thoroughly and consistently.

Ultrasonic cleaning is extremely effective at removing dirt and grime which would normally require tedious manual cleaning by hand. It has been used to clean a wide variety of instruments and mechanical parts such as carburetors, returning them to almost “like new” condition without damage to delicate parts.

- Inner Tank & Outer body made of Stainless Steel
- Digital RED LED display
- Temperature with timer function
- Ceramic heaters provides improved heating effect
- Drainage and cool fan available in 6L to 25L
- Overheat protector, Cooling fan
- Moisture-proof PCB
- User friendly High-performance transducers.
- Warranty should be 1 year
- Tank Capacity 2.5Lit
- Tank size(mm)- 240x140x100
- Ultrasonic power-100W
- Heating power-100W
- Power Supply -AC 220V / 50 Hz
- Frequency-40kHz
- Time Setting-1-99 min.
- Heating Temp.- 0-80°C

#### **SPECIFICATIONS FOR DRY HEATING BLOCK**

Dry Bath Incubator is a microprocessor controlled product using advanced thermoelectric technique, high precision of temperature control. It can be widely used in samples cultivation, preservation and reaction DNA amplification, Pre-degeneration of electrophoresis, and solidification.

- LCD (Liquid crystal display) & Touch type Keypad Operation
- Built in Over Temperature Protector
- There are 5 groups of programs can be programmed Independent or combined
- Maximum upto 5 temperature point, temperature setting & continuous operation
- Microprocessor Controls
- Timing Function, 0~99hrs59minutes, range shows on the display screen shows.
- Brushless DC Motor Type with Long Serviceable Life.

- Warranty should be 1 year.
- Temperature Control range: R.T.+ 5! to 100!.
- Temp. Control Accuracy: < +0.5!.
- Heating Time: 15min ( 25! up to 100!).
- Power: 150W. Power supply: AC 220V / 50Hz.
- Dimension LxWxH (mm): 270 x 190 x 170
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## **SPECIFICATIONS FOR VORTEX MIXERS**

### **SPECIFICATIONS:**

- Designed for mixing liquids in Schools, Laboratories & Factories
- Touch/ Continuous Operation mode Selection through bi-directional Switch
- Speed Regulation through knob provided on the control panel
- Interchangeable mixing heads for use with variety of tubes
- Supplied with all interchangeable mixing heads
- Warranty should be 1 year
- Supply 220/240 Volts, 50 Hz

Power (W)	32
Shaking Movement	Orbital
Orbital Diameter (mm)	4
Motor Type	Shaded-Pole Motor
Permissible ON time	100% power 30mins
Speed range (rpm)	0-2500
Run Type	Continuous / touch operation
Dimensions (mm)	185 x 150 x 165
Weight (kg)	2.8
Protection Class acc. To DIN 60529	IP 21

## **SPECIFICATIONS OF MINI ROTARY SHAKER**

For gentle mixing of fluids in test tubes & glass vessels of different capacities.

- Warranty should be 1 year
- Power Supply 220-240 V, 50Hz, Single phase

Speed Range	rpm	50 to 400
Platform Size	inches	12 x 12
Flasks Capacity [max)		5 x 500 ml
Overall Dimensions	W x D x H (mm)	320 x 415 x 130
Speed Indicator		Digital
Digital Count down Timer	minutes	99
Shaking Orbit	mm	10

## **Specifications of Mini Cooler box**

Keeps your reagents and enzymes cool, protects samples from temperature fluctuations. Freeze for 24 hours at -20 °C to -25 °C before use.

Capacity: 1.5

Places: 12

## **Specifications of PCR Rack with Cover**

Material: PP Autoclavable. Convenient Polypropylene rack for 0.2 ml PCR tubes strips and plates. This rack is stackable with or without lid. Category: Boxes and Racks- 96 well

## **Specifications of 3 Step Interlocking Micro Tube Rack**

Autoclavable, polypropylene inter connected racks .Arranged in 3 levels. Lowest level with 24 places, to hold 0.2 ml tubes. Middle level with 14 wells to hold 0.5 ml tubes and top level with 12 wells to hold 1.5 ml tubes

Size: 24x0.2 mL, 14x0.5 mL and 12x1.5 mL tubes

## **Specifications of Multichannel Pipettes**

- Warranty should be 1 year
- It should be Rugged and Durable
- Must be Fully Autoclavable
- Should have easy Maintenance
- Should have Super Blow-out facility
- Should have Secure volume lock
- Should not have the risk of loose or leaking tips

Number of Channels	Volume	Quantity
8	5 to 50 µL	1
8	30 to 300 µL	1
1	100 to 1000 µL	3
1	20 to 200 µL	4
1	2 to 20 µL	4
1	0.2 to 2 µL	1

## **Specifications of Different Syringe and Dispenser Syringe Dispenser,**

### **Qty required: 2**

The VDRL Antigen Syringe is designed to simplify the dispensing steps for VDRL antigen testing. The test is a microscopic nontreponemal flocculation test to be used for the detection of regain.

#### Product Specifications

**Compatible with** 700 and 1700 series syringes in the following volumes: 10 µL, 25 µL, 50 µL, 100 µL, 250 µL, 500 µL, 1mL, and 2.5 mL

Split/split less injection consists of a heated chamber with a glass liner into which the sample is injected through the septum. A micro syringe is used to inject the sample through a rubber septum into a flash vaporizer chamber at the head of the column.

### **250 µL Gastight Syringe, Cemented Needle, 22s gauge, 2 in, point style 2**

**Product Specifications 250 µL, Qty required: 1**

**Volume** 250 µL

**Syringe Type** Gastight

**Syringe Series** 1700

**Termination** Luer Tip Cemented Needle (LTN)

**Needle** Cemented Needle

**Gauge** 22s gauge

**Point Style** 2

**Needle Length** 2 inch (51 mm)

**Fluid Path** SST, Borosilicate glass, PTFE

**Autoclavable** No

**Gas Sterilizable** Yes  
**Pressure** 500 psig (34.5 bar)  
**Maximum Temperature** 50°C / 122°F  
**Minimum Temperature** 10°C / 50°F  
**Barrel Inner Diameter** 0.091 inches (2.30 mm)  
**Barrel Outer Diameter** 0.305 inches (7.75 mm)  
**Needle Inner Diameter** 0.0059 inches (0.15 mm)  
**Needle Outer Diameter** 0.0283 inches (0.72 mm)  
**Std Needle Dead Volume** 1.13 µL  
**Sales Quantity** 1 syringe per pack

**50 µL Microliter Syringe, Cemented Needle, 22s gauge, 2 in, point style 2**

**Product Specifications 50 µL, Qnty required: 1**

Volume 50 µL  
Syringe Type Microliter  
Syringe Series 700  
Termination Cemented Needle (N)  
Needle Cemented Needle  
Gauge 22s gauge  
Point Style 2  
Needle Length 2 inch (51 mm)  
Fluid Path SST, borosilicate glass  
Autoclavable No  
Gas Sterilizable Yes  
Pressure 2000 psig (137.9 bar)  
Maximum Temperature 50°C / 122°F  
Minimum Temperature 10°C / 50°F  
Barrel Inner Diameter 0.041 inches (1.03 mm)  
Barrel Outer Diameter 0.305 inches (7.75 mm)  
Needle Inner Diameter 0.0059 inches (0.15 mm)  
Needle Outer Diameter 0.0283 inches (0.72 mm) Std  
Needle Dead Volume 1.13 µL  
Sales Quantity 1 syringe per pack

**250 µL, Terasaki Multi-Channel Dispenser**

**Qnty required: 1**

**Product Specifications**

Volume 250 µL  
Syringe Type Gastight  
Syringe Series 1700  
Fluid Path Borosilicate glass, PTFE  
Sales Quantity 1 dispenser included

## **Specifications of Laminar Air Flow**

- PCR Cabinet, should be equipped with HEPA-filtered laminar flow, airflow monitoring, UV lamp & pre filter change alarm to provide a sterile environment for reagent and sample preparation during PCR master mix preparation
- Should be Microprocessor Controller
- Should have Displays showing basic parameters such as airflow on one screen
- Should have alarms to notify users to change filters
- Should have high Performance Fan System
- Should be permanently lubricated, centrifugal motor/blowers with external rotor designs. Superior Air Cleanliness
- Should provide ISO Class 3 air cleanliness within the work zone as per ISO 14644.1 Proven Product Protection
- Should be vertical laminar airflow with HEPA-filtration, >99.99% at 0.3 microns.
- UV Decontamination System; UV lamp (253.7 nm); UV timer adjustable up to 18 hours. Default value at 60 minutes.
- Should have UV-filtering polycarbonate front and glass sides shield the user from accidental UV exposure.
- Should have Antimicrobial Powder Coating
- Size: 4ft./1.2m,
- Power: 220-230 VAC, 50 Hz
- Warranty: 1 year

## **Specification of Refrigerated Bench Top Centrifuge with Swing out Buckets (Micro Centrifuge)**

- Should have automatic rotor detection, check of presence of accessories and compatibility with maximum speed
- Should have Safety speed limiter function
- Should have 10 storable programs with protection function
- Should have Setting of speed in RPM and RCF
- Should have Short Spin function and pre-cool
- Should have Temperature range from - 10deg.C to +40deg.C
- Should have Controlled by microprocessor and backlit color LCD display with contemporary visualization of all parameters
- Should have Digital adjustment of acceleration and deceleration levels
- Should have Stainless steel internal bowl with optimal height for loading and of samples
- Should have Imbalance detection system with automatic functioning stop to avoid accidents
- Should have Automatic locking system of the lid
- Should have Safety opening of the lid in case of absence of electric power
- Should have Brushless motor maintenance free and no carbon deposits



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<b>Features</b>	
<b>Maximum Capacity</b>	4 x 175 ml (Swing cut) 6 x 100 ml (fixed angle)
<b>Maximum speed</b>	4500 rpm (Swing cut 16000 rpm (fixed angle)
<b>Setting RPM</b>	Yes
<b>Setting RCF</b>	Yes
<b>Display RCF</b>	Yes
<b>Timer</b>	00:30 to 99:50(mm:ss) and continuous mode
<b>Data and time</b>	Yes
<b>Acceleration levels</b>	0 to 9 (0 = min -9=max)
<b>Deceleration levels</b>	0 to 9 (0 = min -9=max)
<b>Temperature range</b>	-10C to +40 C
<b>Pre-cool function</b>	Yes
<b>Display temperature</b>	Yes (C and F)
<b>Spin function</b>	Yes
<b>Program</b>	10 program with protection function
<b>Indication of rotor</b>	Yes
<b>Noise</b>	55 db
<b>Directive / standard</b>	IEC 61010 1 IEC61010 to 2020
<b>External dimension W x D x H weight</b>	730 x 6400 x 330 mm/ 70 kg
<b>Recommended voltage stabilizer</b>	enabled

Following adopters should be provided with the products

1. Set of 4 metal Bucket with Bio safety Cap for 175ml plastic bottles
2. 4 Place Swing out Rotor

## **Specifications of Inverted Microscope**

Inverted microscope; phase contrast microscope for ideal for tissue culture. The microscope should have a trinocular viewing head and a pair of 10x eyepieces. Should have a 4 position nosepiece with a bright field 4x and phase contrast 10x, 20x, and 40x objectives.

**Head:** Trinocular

**Eyepieces:** 10x Eyepieces

**Nosepiece:** 4 Position

**Objectives:** A 4x, A 10x PL Phase, LWD C A 20x PL Phase, and LWD CD Plan 40x FPL Phase

**Stage:** Optional XY mechanical stage w/ slide & Petri dish holder

**Condenser:** N.A. 0.3 w/ CK40-SLP Phase Slider

**Focusing:** Coarse & Fine

**Light Source:** Halogen

**Warranty:** One Year

## **Specifications of Laboratory Refrigerator 300 lt Range 2<sup>0</sup>- 8<sup>0</sup> C**

Should be glass door, stored material should be visible from outside

Floor Based, Vertical type refrigerators

Outer body Stainless Steel

Capacity: Min 300 liters

Cooling Type: Static

Temperature Range: 2 to 8 d C

No of Door: 1 or more

Trays / Shelves: Min 5 (adjustable)

Power input: 220 – 240V (50-60Hz)

Warranty : 1 Year

## **Specifications of Laboratory Refrigerator 200lt Range -20<sup>0</sup> to -30<sup>0</sup> C**

Floor Based, Vertical type refrigerators

Outer and inner body Stainless Steel

Capacity: Min 200 liters

Temperature Range: -20 to -30 d C

No of Door: 1 or more

Trays / Shelves: Min 3

Power input: 220 – 240V (50-60Hz)

Warranty : 1 Year

## **Specifications of Vacuum Manifold;**

### **Qty Required: 1**

Used in wash technique, reduces total hands-on time, operators variation, and specimen confirmation. Use in Antibody kits protocol.

Components includes manifold base, standard ring with gaskets, support grid, all tubing, valves and pressure gauge

Applications: Application 96-well plate Vacuum Manifold for vacuum filtration.

Dimensions: Height 66 mm (with standard ring), 94 mm (with deep well ring)

#### **Materials Information**

Device Material Base: HDPE

Standard well ring: nylon

Deep well ring: HDPE

Gaskets: EPDM

Tubing: FEP-lined

Support grid: Stainless steel

On/Off valve: polypropylene w/ EPDM seal

Vacuum control valve: Brass socket, steel case

Vacuum gauge: Steel

Warranty 1 year

## **Specifications of Vacuum Pump;**

### **Qty Required : 1**

Memory Sticks: 1

Weight: 3 Kgs

Products Dimension: 32X25X15cms

Handle should be attached on top to carry out easily

Power input: 220-240V; 50Hz

Warranty 1 year

## **SPECIFICATIONS OF MINI CENTRIFUGE – (QUANTITY -2NO)**

### **SPECIFICATIONS:**

- Microprocessor controlled with last run memory feature
- Large back-lit LCD display shows multiple parameters at a time
- Brushless DC motor – maintenance free, delivers better power to weight ratio and fit for extended runs
- Imbalance detection with auto cut off
- Lid lock safety – Lid opens automatically on run completion
- Intuitive simple interface for quick and convenient setting
- 1 to 999 Mins countdown timer with Min sec display

- One touch Short – Spin operation
- Extremely compact footprint saves valuable bench space – suitable for use in fume hoods or cold rooms
- Unique airflow design – ensures lesser heat generation and lesser noise
- Rotor, inner centrifuge lid and lid latch are made of metal for maximum operational safety
- Soft – touch lid closure for ergonomic lid locking
- Settable RPM/RCF
- Warranty should be 1 year

Rotor Capacity	12 place closed rotor with metal safety lid
Maximum Speed RPM / RCF (g)	15000 rpm / 15596 g
Display	Large Backlit LCD display
Imbalance detection	Imbalance Detection with auto cut – off
Noise Level	≤ 60 dB
Motor Type	(BLDC) Brushless DC motor
Timer setting	1 to 999 mins
Speed / Time setting	500 to 15000 RPM / Min-Sec timer
Dimensions (WxDxH) in mm	230 x 262 x 131 mm
Rotors and Adaptors (included in standard pack)	12 place x 1.5/2.0 ml micro tubes
	Reduction Adaptors for 0.2 ml micro tubes
	Reduction Adaptors for 0.4/0.5 ml micro tubes
	PCR Strip Rotor (2 x 8 x 0.2 ml with metal safety lid)

## **Section V**

### **Formats of the tender**

#### **TENDER FORMATS**

**Tender Reference No.**

## **TECHNICAL BID**

=====

Superintendent, SCB MCH, Cuttack

**Format T1****CHECK LIST****(To be submitted in Cover A- Technical Bid)****Note: The documents have to be arranged serially as per the order mentioned in the check list***All the documents furnished should be page numbered and signed by the authorized signatory of the firm/company with company/firm seal.***DOCUMENTS : SUBMITTED OR NOT (Please put ✓ in the respective box)**

Sl.	Details	Provided or not	If provided mention page No.(s)
<b>TECHNICAL BID</b>			
1.	Earnest Money Rs.20,000/- Deposit in shape of DD/FDR	Yes / No	
2.	Tender Paper cost DD/Money receipt from Accounts section Users	Yes / No	
3.	<b>Format –T2</b> duly signed by the authorized signatory with seal	Yes / No	
4.	<b>Format –T3</b> duly signed by the authorized signatory with seal	Yes / No	
5.	Photocopy of the Registration certificate of the firm (Bidder)	Yes / No	
6.	Photocopy of the GST registration with GSTR 3B & GSTR-I for the month of 10/2022 certificate	Yes / No	
7.	Photocopy of PAN	Yes / No	
8.	<b>Format –T4</b> duly signed by the authorized signatory with seal	Yes / No	
9.	<b>Format–T5</b> (Annual Turnover Statement for preceding 3 years signed by Auditor / CA) duly signed by the authorized signatory with seal with Audited Balance sheet and profit & loss Account duly certified by authorized Chartered Accountant	Yes / No	
10.	<b>Photocopies of audited annual statement</b> of the last three years and the turnover figure should be <b>highlighted</b> there.	Yes / No	
11.	<b>Format –T6</b> (Manufacturing Authorization from the Manufacturer/Authorized Importer–duly signed by the authorized signatory with seal in case the bidder is the authorized distributor	Yes / No	
12.	Copy of Import license (In case the bidder is Importer)	Yes / No	
13.	<b>Format –T7</b> (Details of technical specification of the offered product) duly signed by the authorized signatory with seal	Yes / No	
14.	Technical Brochures/Leaflets of the offered product	Yes / No	
15.	<b>Format –T8</b> (Performance Statement) of the bidder towards supply of similar items during the last three years	Yes / No	

<b>16.</b>	Photocopies of <b>purchase order</b> in support of the information provided in Format – T8.	Yes / No	
<b>17.</b>	ISO Certificate of the Manufacturer(As per Technical Specification)	Yes / No	
<b>18.</b>	CE,USDA,IEC, Certificate of the Products (as per technical specification )	Yes / No	
<b>19.</b>	<b>Format –T8</b> (Performance Statement) of the bidder towards supply of similar items during the last three years	Yes / No	
<b>20.</b>	Photocopies of <b>purchase order</b> in support of the information provided in Format – T8.	Yes / No	
<b>21.</b>	Copy of original / downloaded Tender and schedules, duly signed by the authorized signatory	Yes / No	
<b>22.</b>	Cover ‘B’ – Price Bid with price schedule in <b>Separate Envelop (Item Wise)</b>	Yes / No	



## **Format T2**

*(To be furnished in the Technical Bid)*

### **TECHNICAL TENDER SUBMISSION FORM** (On the letterhead of the Organization)

[Location, Date]

To

**Office Of the Superintendent,  
SCB MCH, Mangalabag, Cuttack-751007**

Dear Sir,

We, the undersigned do hereby offer to Supply the HLA Laboratory equipment. We are submitting our bids, which include this Technical Bid, and a Commercial Bid sealed under a separate envelope.

We accept all the tender terms & conditions of the tender under reference. We hereby declare that all the information and statements made in this bid are true and accept that any of our misrepresentations contained in it may lead to our disqualification.

Our proposal shall be binding upon us for a period for a period of one year, subject to the modifications resulting from Contract negotiations you may subsequently carry out with us to accept our tender. We undertake to carry out the work as per the terms and conditions of this tender document.

**We hereby declare that my firm/company has not been debarred / black listed by any Government / Semi Government organizations. I further certify that I am the competent authority in my firm/company authorized to make this declaration.**

I/We hereby agree that the Tender Inviting Authority can forfeit the Performance Security Deposit and blacklist me/us for a period of 3 years if any information furnished by us proved to be false at the time of inspection / verification and not complying with the Tender terms & conditions.

We understand you are not bound to accept any bid you receive.

Yours sincerely,

Authorized Signatory [*In full and initials*]: \_\_\_\_\_

Name and Title of Signatory: \_\_\_\_\_

Name of Organization: \_\_\_\_\_

Address: \_\_\_\_\_

(Organization Seal)

**Format T3**

(To be furnished in the Technical Bid)  
(On the letterhead of the Organization)

**DETAILS OF THE BIDDER****DETAILS OF THE TENDERER & LOCAL CONTACT PERSON**

	<b>Corporate Office (The address in which the purchase orders and payment details will be communicated)</b>	<b>Local Contact Person / Branch Office / Zonal Office / Service Centre if any, in Odisha.</b>
Name & Full Address		
Telephone Nos., landline		
Mobile		
Fax		
E – Mail		
Date of Inception	(Copy of Certificate of incorporation of Manufacturer)	
Name of the issuing authority		
Import License (in case of Importer only)	(Furnish photocopy of Import License)	
GST validity	(Furnish photocopy of GST)	
PAN	(Furnish photocopy of GST)	
Details of the Service Centre Facilities in Odisha		

**Signature of the Tenderer :**  
**with seal**  
**Date :**  
**Official Seal :**

	<i>Registration certificate / Certificate of Incorporation of the firm (furnish the copy)</i>				
	<i>Bank Details of the Bidder: The bidders have to furnish the Bank Details as mentioned below</i> a. Name of the Bank :  b. Name of the Account & Full address of the : Branch concerned  c. Account no. of the : bidder  d. IFS Code of the : Bank				
<i>Date:</i>		<i>Office Seal</i>		<i>Signature of the bidder / Authorized signatory</i>	

**Format T4**

*(To be furnished in the Technical Bid)*

**DECLARATION / UNDERTAKING**  
**(in stamp paper)**

I / We \_\_\_\_\_  
having \_\_\_\_\_ My \_\_\_\_\_ /  
our \_\_\_\_\_  
\_\_\_\_\_office at \_\_\_\_\_ do  
hereby declare that I / We will supply the ordered items after becoming lowest  
responsive bidder as per tender terms, conditions, specification and conditions as  
laid down in the purchase order.

I/We declare that, the Tender Inviting Authority **can blacklist me/us for a  
period of 5 years** if we withdraw bid after opening of price bid and / or approval  
of rate contract or unable to supply ordered items at approved rate within the  
stipulated time period.

Signature of the bidder :

Name:

Mobile No.:

**Date** :

Name & Address of the Firm: **Affidavit  
before Executive Magistrate.**

**(To be furnished with the Technical bid)**

**ANNUAL TURN OVER STATEMENT**

The Annual Turnover for the last three financial years of M/s\_\_\_\_\_ are given below and certified that the statement is true and correct.

<b><i>Sl.No.</i></b>	<b><i>Year</i></b>	<b><i>Turnover (in Rs. Lakhs)</i></b>
1.	2019 - 2020	-
2.	2020-2021	-
3.	2021-2022	

***Average Annual Turnover*** (for the above three years) in **(Rs.)**\_\_\_\_\_

Date:  
Place:

Signature of Auditor/  
Chartered Accountant  
(Name in Capital)

Seal

Registration No. of Firm

***Note:***

- To be issued in the **letter head** of the Auditor/Chartered Accountant mentioning the **Membership no.***
- This turnover statement should also be supported by **copies of audited annual statement** of the last three years and the turnover figure should be **highlighted** there.

**Format – T6**

**(To be furnished with the Technical bid)**

**MANUFACTURER/ AUTHORIZED IMPORTER'S AUTHORISATION**

**FORMAT**

**(In case the bidder is not the Manufacturer)**

**(For Items :)**

To

**The Superintendent  
SCB MCH, Mangalabag,  
Cuttack-751007**

Ref: Tender No. \_\_\_\_\_ Dated \_\_\_\_\_ for \_\_\_\_\_.

Dear Sir/ Madam

We, ----- are the manufacturer/Authorized Importer of -----  
----- (name of equipment(s) and have the manufacturing factory at

1. Messrs ----- (name and address of the agent) is our authorized distributor for sale and service of ----- (name of equipment(s))
2. We also extend our full warranty (**3 year comprehensive warranty**) as required by the purchaser
3. We undertake that we have adequate infrastructure and spare part support to carry out the warranty.

Yours faithfully,

-----

(Signature with date, name and designation)

For and on behalf of Messrs -----

(Name & address of the manufacturers)

Seal

Note :

1. This letter should be on the **letterhead** of the **manufacturer** and should be signed by a person having the power of attorney to legally bind the manufacturer.
2. Original letter shall be attached to the technical bid.

**Format – T7**

**(To be furnished with the Technical bid)**  
**Technical Compliance Statement**

**DETAILS OF TECHNICAL SPECIFICATION OF THE PRODUCT (S) OFFERED BY THE BIDDER**

Sl. No.	Item Name	Make	Model Name	Country of Origin	Detail Specification of the product(s) offered* (Pl. Describe the detail specification of the product offered) – Para wise compliance to the technical specification asked for.	***Page no. of the Catalogue / Leaflet where Para wise compliance information as per technical specification is available
1						
2						
3						
4						

(Use separate sheets if the space provided is not sufficient)

\* **Leaflets/Technical Brochures** of the product offered (for **each item quoted**) must be attached in support of the information provided above.

\*\*\* It is mandatory to mention the page no(s) in the format as mentioned above.

Authorized Signatory [*In full and initials*]: \_\_\_\_\_

Name and Title of Signatory: \_\_\_\_\_

(Organization Seal)

**Format – T 8**

**(To be furnished with the Technical bid)**  
**Performance Statement for supply of Similar Items**  
**(for a period of last three years)**  
(Separately for each equipment )

Name of the Firm \_\_\_\_\_

* Order place d by (Name of the Organization)	Name of the Equipment	Order No. and date	Quantity of ordered equipment	Value of Purchase order (Rs.)	Date of completion of the delivery	Remarks indicating reasons for late delivery, if any	Has the equipment been satisfactorily functioning? (Attach a certificate from the Purchaser/Consignee if any )

\* Note :Please furnish the **purchase order /Contract copies** of the supplies executed serially in support of the information mentioned above.

Authorized Signatory [*In full and initials*]: \_\_\_\_\_

Name and Title of Signatory: \_\_\_\_\_

\_\_\_\_\_

(Organization Seal)



# TENDER FORMATS

**PRICE BID**

(**Separate Price bids** as per Schedule)

=====

Office of the Superintendent,  
SCB MCH, Mangalabag, Cuttack-753007

## **FORMAT – P1**

*(To be furnished in the Commercial Bid)*

### **PRICE BID SUBMISSION FORM**

(On the **letterhead** of the organization)

---

[Location, Date]

To

**Office of the Superintendent,  
SCB MCH, Mangalabag, Cuttack-753007**

Dear Sir,

We, the undersigned do hereby offer to Supply the HLA Laboratory equipment/Instruments in accordance with your Tender referenced above and our Technical Bid.

We hereby declare that if awarded the contract, our Commercial bid shall be binding upon us for a period of one year rate contract from the date of award of contract, subject to the modifications resulting from Contract negotiations you may subsequently carry out with us to accept our proposal.

We understand you are not bound to accept any Proposal you receive.

Yours sincerely,

Authorized Signatory [*In full and initials*]: \_\_\_\_\_

Name and Title of Signatory: \_\_\_\_\_

(Organization Seal)

(To be furnished in the Price Bid)  
On the **letterhead** of the organization)

**PRICE SCHEDULE**  
**(Use this format for –**

**Whether GST Registration in Odisha, i.e. GST paid to Government of Odisha: Yes / No If Yes, furnish the copy of GST certificate**

Name of the Equipment	Make & Model No.	<b>Unit Price of the Equipment with all accessories</b> (as mentioned in the technical specification) which <b>includes</b> excise duty / customs duty, packing, insurance, <b>forwarding / transportation(to the consignee places), training with comprehensive onsite warranty (as mentioned in technical specification) but excludes GST</b>	<b>Cost of Turnkey if any (all accessories for installation &amp; commissioning including GST for turnkey in Rs. (Door delivery &amp; installation))</b>	<b>Total Cost of the Item (Unit Price with Turnkey if any) (Exclusive of GST)</b>	<b>GST (if any) on &amp; above the basic unit price mentioned in (3) (GST the % of tax&amp; it's value in Rs.)</b>
		<b>Cost in Rs. (both in words &amp; figures)</b>			
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5=(3+4)</b>	<b>6</b>
			GST(%) :		GST (%) :

**Note : Use separate Price Formats for each item quoted and sealed them in separate envelopes with mention of “Name of Item”. All these envelops should be sealed in another outer envelope and super scribed as “Price Bid”.**

Authorized Signatory [In full and initials]: \_\_\_\_\_

Name and Title of Signatory: \_\_\_\_\_

(Organization Seal)