

**Bid Identification No. MM/58/5LLPD/22-23/14/LAB FURNITURE**

**TENDER CALL NOTICE**

**For**

**PURCHASE OF UHT LABORATORY FURNITURE MATERIALS**



**MM DIVISION, OMFED, BHUBANESWAR**

**The Orissa State Cooperative, Milk Producers' Federation Ltd.  
D-2, SAHID NAGAR, BHUBANESWAR-751 007.**

**Ph No- 2546030/2540273/2540417, Fax No (0674)2540974, Email – omfed@yahoo.com**

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OMFED



**Detail Tender Notice**

**Bid Identification No. MM/58/5LLPD/22-23/14/LAB FURNITURE**

1. OMFED invites Two Bid System tender from Manufacturer, Authorized Dealer & Reputed Supplier for supply of UHT Lab furniture at Arilo Dairy, Govindpur, Cuttack.
2. The bidders are required to submit bids for the following items.

Cost of tender paper. (Rs.)	Date of Availability of Tender Document in OMFED website	Last Date of Submission of Bid (Technical & Financial).	Opening date of Technical Bid.
<b>Rs 500+12% GST =Rs 560.00</b> (In shape of separate Demand Draft favouring OMFED, payable at, Bhubaneswar)	<b>From: 25.05.2022 on 10.00 A.M</b> <b>To: 16.06.2022 on 05.00 P.M</b>	<b>17.06.2022 on 01.00 P.M</b>	<b>17.06.2022 on 3.00 P.M</b>

3. The tender paper cost / EMD in the form of D/D in original in favour of OMFED payable at Bhubaneswar and Photo Copy of GST, PAN Certificate and other documents shall have to be deposited in sealed envelope along with technical bid within scheduled time at the OMFED Corporate office, Bhubaneswar, during working days. The bidders have to submit separate envelope for technical bid and commercial bid.
4. Non submission of cost of bid document and EMD within the period shall debar the party from participating in tender process.
5. Bids shall be received on or before schedule time.
6. The technically qualified bidders will be informed to opened for evaluation of the commercial bid.
7. The cost of bid documents & EMD in demand draft issued from any Nationalized/ Scheduled Bank may be prepared in favour of OMFED, payable at Bhubaneswar.
8. Co-Operatives, Govt. bodies, NSIC and MSME registered firms are exempted from submitting required EMD.
9. Other details are available in the bidding documents.
10. Any corrigendum / Addendum will be published in the OMFED website <https://www.omfed.com>
11. The management reserves the right to cancel any or all bids without assigning any reason.

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**OTHER TERMS & CONDITIONS OF THE TENDER: -**

- 1) The Bidders shall not be allowed to use his own discretion regarding the quantity to be supplied, the period of supply, regarding rates or for that matter any other request in any respect once participated in the Tender process.
- 2) The terms and conditions mentioned in the Tender documents shall govern all the tender process.
- 3) On finalization of the rate and quantity order shall be issued to the supplier to supply the materials as per specification. The quantity & period of delivery may be increased/decreased as per the discretion of the Managing Director, OMFED. The acceptance copy of the order must be sealed and signed by the bidder as token of his confirmation to supply. If the order is revoked by the supplier in any case the EMD is liable to be forfeited.
- 4) RISK PURCHASE: The Federation reserves the right to make risk purchase at the cost & risk of the supplier if he failed to supply in time.
- 5) The Managing Director, OMFED reserves the right to accept/reject any or all the bids without assigning any reason thereof.
- 6) In case of any doubt of dispute relating to the interpretations of this Tender Document, the decision of the Managing Director, OMFED shall be final and binding on both the parties.
- 7) Any legal dispute shall be exercising at civil jurisdiction over Bhubaneswar.

**Managing Director, OMFED**

**(SIGNATURE OF THE BIDDER)**

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### **Eligibility Criteria**

- 1) Cost of tender document is Rs 560.00 including GST, must be submitted with Technical bid.
- 2) EMD of Rs 20,000.00 in shape of DD in favour of OMFED, payable at Bhubaneswar, which will be converted into security deposit in case of successful bidder.
- 3) Turnover: Annual turnover should not be less than Rs.30,00,000 for the year ending 2020-21. Turnover Certificate from Chartered Accountant must be submitted.
- 4) Income Tax return for the Financial Year 2020-21 & GST return for the financial year 2020-21 must be attached to the tender document.
- 5) The bidder submits photo copy of GST registration & PAN certificate.
- 6) The bidders submit Authorized Certificate from respective Manufacturer/Distributors.
- 7) All the documents should be self attested and sealed.
- 8) Client list and copy of orders to be provided (For credential).
- 9) On Top of each separate sealed envelope (both technical & commercial bid), Name of the item, Material & bid identification number should be superscribed & submitted with technical bid.
- 10) Please refer to Annexure -I for NDDB Lab Furniture Technical Specification & Annexure -II for Price Bid.

**(SIGNATURE OF THE BIDDER)**

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## **GENERAL TERMS & CONDITIONS**

### **1.0 Eligibility and Qualification requirements: -**

This invitation to bid is open to all eligible bidders.

### **2.0 Price basis:**

The quoted prices for the material shall be on FOR destination basis, inclusive of all taxes & duties, packing & forwarding charges, transportation, insurance and other incidental charges, loading charges etc. as applicable.

Bidders are required to quote unit rates of all items to be supplied for the purpose of the contract.

### **3.0 EMD (Earnest Money Deposit)**

3.1 The Bidder shall furnish EMD value Rs 20,000 & which shall be convert to Bid Security for successful bidder.

3.2 The bid security is required to protect the OMFED against the risk of bidder's conduct, which may warrant the forfeiture of bid security.

3.3.1 The bid security shall be in the following form:

(a) A demand draft in favour of THE ODISHA STATE CO-OPERATIVE MILK PRODUCERS' FEDERATION LTD., Payable at Bhubaneswar.

3.3.2 Unsuccessful bidder's bid security will be discharged/returned as promptly as possible but not later than 30 days after the expiry of the period of bid validity.

3.3 The bid security may be forfeited:

(a) If a bidder withdraws its bid during the period of bid validity specified by the bidder on the bid form; or

(b) In the case of successful bidder, if the bidder fails to execute the supply.

### **4.0 Period of validity of bids**

Bids shall remain valid for 90 days after the date of bid opening, stated in the cover page/ tender notice for Materials.

### **5.0 AWARD CRITERIA**

The OMFED will consider award of contract to the successful bidder whose bid have been determined to be substantially responsive and have been determined as the lowest quoted bid, who is determined to be qualified for satisfactory performance of the contract.

### **6.0 OMFED'S RIGHT TO VARY QUANTITIES AT TIME OF AWARD.**

The OMFED reserves the right to increase or decrease the quantity of material specified in the schedule of requirements without any change in unit price or other terms and conditions. After issuing order OMFED may also cancel the whole or part thereof depending on requirement of the material during the contract period.

**(SIGNATURE OF THE BIDDER)**

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**7.0 QUANTITY**

The quantity required mentioned in the Tender document is totally tentative. OMFED may increase or decrease the quantity according to the requirement.

**8.0 SPECIFICATIONS:** The specifications mentioned against each item required, should be strictly followed. Any deviation found from the specifications will be subject to deductions as per rebate/premium rules of the Federation.

**9.0 DELIVERY OF MATERIALS:** Purchase Order will be placed for required quantity to be delivered during the specified period. The Plant Managers of dairies will provide delivery schedule to the approved suppliers on the basis of which the Suppliers have to deliver the materials at different dairy Plants. The packing size of each bag should be uniform.

**10.0 PENALTY:** If failure to supply as per schedule 0.5% value of delayed delivered quantity for week will be deducted. If risk purchase will be made, the Suppliers EMD cost will lead to forfeiture with penalty as per Purchase Order terms & Conditions.

**11.0 SAMPLE ANALYSIS:** The samples from each materials provided by the bidders will be quality check by committee member. On the basis of test result, vouchers will be processed for payment.

**12.0 PAYMENT:** The normal payment term of the Federation is 100% on acceptance of material as per our specification. All the payments will be made through RTGS/NEFT only within 30 days of acceptance and receipt of and quality test report of the materials from the concern division. Payments are likely to be held up if quality of the material found to be substandard. In these cases, suppliers must arrange for lifting back rejected material at their own cost within 07 days of its rejection.

(SIGNATURE OF THE BIDDER)

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### **Bidder Information**

(The Bidder shall fill in this form in accordance with the instructions indicated below. No alteration to it's for shall be permitted and no substitutions shall be accepted.)

1	Bidder's Legal Name	
2	Bidder's Address	
3	Telephone No.(Mobile/Land)	
4	E-mail ID:	
5	Manufacturing License/Distributor Authorized Certificate	
6	Annual Turnover Certificate of the firm be enclosed	
7	GST Registration No. (Certificate to be attached)	
8	PAN NO.(Photocopy to be attached)	
9	Earned Money Deposit(EMD) (DD No./Date/Bank Name/Amount to be mentioned)	
10	Tender Cost Rs.560/- (DD No./Date/Bank Name/Amount to be mentioned)	
11	Clients List (Copies to be attached)	

**Seal & Signature of Bidder**



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## **LABORATORY FURNITURE WORKS**

### **LABORATORY BENCHING**

The scope includes Supply and Installation of Laboratory Workbenches, Storage units, wall mounted units, worktops, Electrical Sockets, wiring and other supporting structures/hardware's based on the specified Make List. This includes delivery to site, loading & unloading the consignment and transporting it from the place of storage to the installation site. The furniture manufacturer should be member of SEFA & shall follow SEFA 8 guidelines for manufacturing. This specification covers furniture requirements for.

#### **SS316 Work top and CRCA steel powder coated casework**

Supply & Installation of all utility service outlets/service panels and accessory fittings, electrical receptacles, plumbing and electrical switches & fittings identified on drawings as mounted on the laboratory furniture.

Supply & Installation of all laboratory sinks, bottle traps, drain troughs etc.

Supply & Installation of service structures where specified and setting in place reagent shelves.

Performance tests on random samples.

The laboratory furniture manufacturer shall provide work tops and casework all manufactured & shipped with proper packing & should take the full responsibility of the entire Scope of Works as specified in the tender.

The selected manufacturer must warrant for a minimum period of one-year from the date handing over for all products sold under the contract referenced above shall be free from defects in material and workmanship. The supplier should also replace the damaged parts either during transit or installation.

The Lab Bench shall consist of the following a)

Work Top

- b) Under Bench Storage Unit.
- c) Reagent shelves for Centre/Island benches.
- d) Electrical sockets and wiring

#### **WORK TOPS (Stainless Steel (SS 316))**

The worktop shall be sandwich type panel construction with highest quality SS 316 1.2 mm on top surface and SS 304 0.8mm thick sheet on lower side. The panel shall be with necessary stiffeners and PUF infill. The SS Sheet shall be chemical resistant laboratory grade. The backing material used, should be a neoprene mat of 6 mm thickness as per requirement. The finished product shall be smooth without prominent appearance of joints.

#### **STRUCTURE AND STORAGE CABINET:**

The structure shall be of plinth type design of 135mm height with 18G GI powder sheet. Levelling mounts shall be provided at the bottom for level adjustment and the same shall be covered by means of black plastic spats for good aesthetics.

#### **STORAGE CABINETS:**

A complete modular type storage cabinet shall consist of cabinet sides, top, bottom, shelf, drawer, cover panels, double wall construction shutter and drawer fronts shutters & drawers, support brackets, slides, handles, hinges and cylindrical cam locks.

The steel frames, panels & shutters shall be made from Prime Quality G.I – Galvanised Iron Steel sheets. The load carrying capacity of each shelf of the cabinet shall be 40 kg so that heavy load can be safely placed in cabinets.

**HETTICH/HAFELLE/MEPLA** make Self-closing 95 Degree opening hinges shall be used with special coating of CED (Cathode Electro Deposition) to ensure very high corrosion resistance.

Minimum Steel Thickness of components of Laboratory Furniture – epoxy powder coated 60-80 microns shall be as given below:

Sides, top, bottom, back, shelves, drawers, end cover panels	1.0 mm
Shutters, drawer fronts, stiffeners	1.0 mm
Hinge plates, shelf brackets	1.6 mm
Pedestal structure members, service panel under bench	2.5 mm
Service panel over bench (SPO)	1.25 mm
SS 304 kick plate at bottom of pedestal	1.6 mm

**SHUTTERS & DRAWERS:**

Metal shutters & Drawer Fronts in approved colour combination and shall be easily cleaned.

**SHELVES & DRAWERS:**

G.I. powder coated shelves shall have a load carrying capacity of 40 kg. The overall load carrying capacity is 70 kg of UDL (30 kgs. On each shelf and 40 kgs. On bottom). The overall load carrying capacity of drawer is 20 kgs. Of UDL for a pair of ball slide for 450 and 600 mm size Drawers and 30 kgs for a pair of Telescopic glides – high precision made double extension ball slides shall be used for 750 and 900 mm sizes.

Handles: SS-304 C type handle, easy replacement, and better aesthetics shall be provided.

Configuration of the Storage Units shall be given below:

- The storage cabinets/units shall have dimension as per drawing/SOQ.
- Storage unit with one drawer, two shutters and one adjustable shelf for all modules.
- All storage cabinets/drawers shall be provided with locks

**SURFACE TREATMENT:**

The complete G.I material of cabinet shall be pre-treated and epoxy powder coated for better corrosion resistance. The thickness of powder coat shall be 60 microns, which passes the test of salt spray for 1000 hours and having the scratch hardness of 3 kgs.

**REAGENT SHELF/RACK:**

The reagent shelves shall be provided for island type workbenches to store reagent bottles.

Completely modular type under structure with horizontal 2-stage storage shelves of following dimensions:

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Length: As per requirement x depth: 250 mm Height: 780 mm for 2-stage storage shelves.

The end vertical support and horizontal shelves shall be made up of 0.9mm thick GI sheet.

Neoprene 3 mm Thick rubber sheets shall be provided on shelves for better corrosion resistance and safety for glass bottles.

Each vertical panel is assembled with horizontal shelf with M6 fasteners having ZINC-Cobalt coating for better corrosion resistance. The horizontal shelf has provision for fixing service panel to it.

The load carrying capacity of each Reagent shelf is 30 kgs. of UDL for the length of 1000 mm.

The service panels shall carry all electrical fittings and shall be attached with reagent shelf in the modular range.

Material: The raw material used for service panel is minimum 1.0 mm thick GI sheet.

Surface Treatment: The complete material is pre-treated (degreased, zinc phosphate) and epoxy powder coated for better corrosion resistance. The thickness of powder coat is 60-80 microns, which passes the test of salt spray for 1000 hours and having the scratch resistant hardness of 3 kgs.

**STORAGE RACK:** Material shall be Galvanised Steel with slotted angle type storage racks is required for Shelf life room.

**WALL MOUNTED CABINET WITH GLASS & FLUSH TYPE SHUTTER:**

Completely modular type made of GI sheet and Glass doors wall mounted storage cabinet of required dimensions with hinges, locks and handle other accessories.

**SINK UNITS:**

- The sink unit cabinets of suitable size as indicated in the drawing. The unit shall consist of base cabinet, sink, faucet and pegboard.
- **Sink Cabinet:** Sink cabinet shall be with 1.0 mm thick G.I powder coated Sheet.
- **Surface Treatment:** The complete GI sheet of cabinet shall be pre-treated (degreased, Zinc phosphate) and epoxy powder coated (approved shade) for better corrosion resistance. The thickness of powder coat is 60-80 microns, which passes the test of salt spray for 1000hrs and having scratch hardness of 3 Kg.
- **Sink Bowl:** Sinks shall be of PP Sink

**Work Top:** SS316

It shall have outlet coupling and flexible PVC Hose of 1 Meter Length.

Each Sink units shall be provided with SS 304 pegboard for 18 No. of PP pegs with SS dip tray and deck mounted double head eye-wash.

**ELECTRICAL SOCKETS, CABLE AND SERVICE DUCT:**

The supplier has to provide required electrical sockets and respective wiring/cabling from nearest DB including electrical duct on Bench and also for taking cables/wires from false ceiling to bench. The Bench mounted electrical duct shall be slant and 100 x 125 mm and required length with necessary cut outs for fixing electrical fittings shall be provided on wall bench and island bench etc.

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The electrical duct (GI Powder coated) of suitable size (minimum 125x100mm) for dropping cables/wires from false ceiling to the wall or island bench at suitable location for each bench as per site condition.

The Trunking shall be provided on the entire length of the Lab bench and also for the dropping the cables at one corner for sockets from the false ceiling as per site condition.

Switches and Sockets of approved make shall be included in the above scope. Typically, there shall be three 16/6A sockets for 1.2 Mt Bench length

**REVOLVING ADJUSTABLE HEIGHT LAB STOOL:**

SS 304 revolving stool with seat of diameter 300/350 mm, back rest with SS pipe (200-225mm height). The Stool shall also include castor wheels of good quality, hydraulic height adjustment, foot resting ring of 450 mm dia suitable for use in lab.

**ACCEPTANCE CRITERIA**

**FOR FABRICATED ITEMS**

- a) Overall dimensions shall be within  $\pm 1.5$ mm of the size shown on drawings. All machining should be done using CNC machine and there should be interchangeability of the shutters /doors & windows of same size.
- b) Mullions, transoms etc. shall be of one length and permissible deviations from straightness shall be limited to  $\pm 1.5$ mm from the axis of the member.
- c) Door shutters shall operate without jamming. The clearance at head and jamb for door shutters shall not exceed 1.5mm. For double leaf doors, the gap at the meeting stiles shall not be more than 1.5mm.
- d) Doors, windows, frames etc. shall be on a true plane free from warp or buckle.
- e) All welds shall be dressed flush on exposed and contact surfaces.
- f) Correctness of location and smoothness of operations of all shop installed hardware and fixtures.
- g) Provision for hardware and fixtures to be installed at site.
- h) Glazing beads shall be cut with mitred corners.
- i) Glazing clips, fixing devices etc. shall be supplied in adequate numbers.
- j) Exposed aluminium surfaces shall be free from scratches, stains and discoloration. Anodized surfaces shall present a uniform and pleasing look.

**FOR INSTALLED ITEMS**

- a) Installation shall be at correct location, elevation and in general in a true vertical plane.
- b) Fixing details shall be strictly as shown on drawings.
- c) Assembly of composite unit shall be strictly as per drawing with mastic packing at transoms & mullions, gaskets weather strips etc. complete.
- d) All open able sections shall operate smoothly without jamming.
- e) All frames on external walls shall be mastic caulked to prevent leakage through joint between frames & masonry.
- f) Locks, fasteners, floor spring etc. shall be fitted in position properly. Keys shall be non-interchangeable.
- g) Cutting to concrete or masonry shall be made good and all abrasions to shop paint shall be touched up with paint of same quality as shop paint.

**INSTRUCTION FOR INSTALLATION**

- a) Preparation: Prior to beginning installation of casework, check and verify that no irregularities exist that would affect quality of execution of work specified.

- b) Coordination: Coordinate the work of the Section with the schedule and other requirements of other work being prepared in the area at the same time both with regard to mechanical and electrical connections to and in the fume hoods and the general construction work.
- c) Adjust and Clean: Repair or remove and replace defective work, as directed by owner and/or his representative upon completion of installation
- d) Adjust doors, drawers and other moving or operating parts to function smoothly.
- e) Clean shop finished casework; touch up as required.
- f) Clean work surfaces and leave them free of all grease and streaks
- g) Casework to be left broom clean and orderly
- h) Protection – Provide reasonable protective measures to prevent casework and equipment from being exposed to other construction activity.

Note: Any other cut-out which is not mentioned above or in SOQ shall be done at Factory or site as per instruction of Engineer-In-Charge.

S No	DESCRIPTION	UNIT	QTY
1	<p><b>LABORATORY BENCHES (Plinth type Design)</b>  Laboratory Workbenches with continuous Storage Units, Worktops. Including supporting structures, Hardware, Electrical sockets &amp; Switches and Wiring electrical trunking etc.  Structural Frame: CRCA Epoxy Powder coated  Work Top: SS316 Top of (750-850mm Wide)  Storage units/ Casework: CRCA Powder coated (Refer Technical Specification).</p>	RMT	8
2	<p><b>SINK MODULE</b>  The SINK MODULE Shall Consist of Base Cabinet (1500 x 600 x 850 mm, CRCA, Epoxy Powder coated) provided with high quality and Chemically Resistant PP Sink.  Work Top: SS316 Top of (600-750mm Depth)  Bowl Size - 508 X 508 X 300 mm (Approx.)  Each Sink shall have Goose neck type three Elbow operated Faucets or 3-way faucets as per requirement.  (Refer Technical Specification)</p>	Nos	2
3	<p><b>WALL CABINET:</b>  GI Powder coated Wall storage cabinet of size: L= 750mm X D=350mm X H= 630mm with one/two Shelf (View/Glass Panel Door).</p>	RMT	2
4	<p><b>REVOLVING STOOL SITTING:</b>  SS Adjustable Chair with Back Rest  a) MOC: SS 304, 16 SWG.  b) Size: - Dia 300 X 550+400mm HT  c) Chair height 100mm adjustable  d) Round stool type with back rest  (Refer Technical Specification)</p>	Nos	5
<p><b>SUGGESTED MAKES:</b> GD LAB, GODREJ, KEWAUNEE, AAKAR, ICLEAN, CITIZEN &amp; Other Reputed Make.</p>			

Annexure-II

## COMMERCIAL BID

<b>S No</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>Rate per Quantity (FOR Basis)</b>
<b>1</b>	<p><b>LABORATORY BENCHES (Plinth type Design)</b></p> <p>Laboratory Workbenches with continuous Storage Units, Worktops. Including supporting structures, Hardware, Electrical sockets &amp; Switches and Wiring electrical trunking etc.</p> <p>Structural Frame: CRCA Epoxy Powder coated Work Top: SS316 Top of (750-850mm Wide) Storage units/ Casework: CRCA Powder coated (Refer Technical Specification).</p>	RMT	8	
<b>2</b>	<p><b>SINK MODULE</b></p> <p>The SINK MODULE Shall Consist of Base Cabinet (1500 x 600 x 850 mm, CRCA, Epoxy Powder coated) provided with high quality and Chemically Resistant PP Sink.</p> <p>Work Top: SS316 Top of (600-750mm Depth) Bowl Size - 508 X 508 X 300 mm (Approx.)</p> <p>Each Sink shall have Goose neck type three Elbow operated Faucets or 3-way faucets as per requirement. (Refer Technical Specification)</p>	Nos	2	
<b>3</b>	<p><b>WALL CABINET:</b></p> <p>GI Powder coated Wall storage cabinet of size: L= 750mm X D=350mm X H= 630mm with one/two Shelf (View/Glass Panel Door).</p>	RMT	2	
<b>4</b>	<p><b>REVOLVING STOOL SITTING:</b></p> <p>SS Adjustable Chair with Back Rest a) MOC: SS 304, 16 SWG. b) Size: - Dia 300 X 550+400mm HT c) Chair height 100mm adjustable d) Round stool type with back rest (Refer Technical Specification)</p>	Nos	5	

# The quoted rates should be on Basic Cost + GST & Other expenses with F.O.R destination at Arilo Dairy, Govindpur, Cuttack.

# Omfed reserves the right to increase or decrease the tender quantity as per requirement.

**SIGNATURE of Bidder with Seal**

(Bidders submit the Commercial bid in separate envelope)