

Bid Identification No. VISI COOLER/ 2025-2026/01

e-TENDER CALL NOTICE

FOR

**PURCHASE OF VISI COOLER, CHEST COOLER &
DEEP FREEZER**



ESTIMATED TENDER VALUE: Rs 1,20,00,000.00

MM DIVISION, OMFED, BHUBANESWAR

The Orissa State Cooperative, Milk Producers' Federation Ltd.

D-2, SAHID NAGAR, BHUBANESWAR-751 007.

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e-Procurement Notice for Purchase of Visi Cooler, Chest Cooler & Deep Freezer

Bid Identification No. VISI COOLER/ 2025-2026/01

1. OMFED invites e- Tender from reputed Manufacturer/ Authorized Distributor/ Authorized Dealers for supply of Visi Cooler, Chest Cooler & Deep Freezer for Marketing Division. The e- Tender is invited online through ‘e’-procurement of Govt. of Odisha web Portal <https://tendersodisha.gov.in>. The bidders should have the necessary portal enrolment with his own Digital Signature Certificate.

2. The bidders are required to submit bids for the following items.

Name of work	Estimated Cost (Rs)	Availability of Tender for online bidding only at https://tendersodisha.gov.in		Opening date of Technical & Financial Bid	Period of Completion
		From	To		
Supply of Visi Cooler, Deep Freezer & Chest Cooler	1,20,00,000/-	13.03.2026 on 10.00A.M	30.03.2026 on 01.00P.M	30.03.2026 on 03.00P.M	Two calendar months

3. Cost of Tender Paper Rs 11,800/- inclusive of GST 18% & EMD as specified in (Technical Bid Part-I) deposit through online portal at <https://tendersodisha.gov.in>.

4. Bid documents consisting of specifications, the schedule of quantities and the set of terms and conditions of contract and other necessary documents are available on Portal: <https://tendersodisha.gov.in>. The corrigendum/amendment to this notice if required shall be published only in the OMFED web site <https://www.omfed.com> and will not be published again in the newspaper.

5. The tender paper cost / EMD and Photo Copy of GST, PAN, Registration Certificate, Turnover Certificate, IT return & other documents as per DTCN shall have to be attached on Portal: <https://tendersodisha.gov.in> within 10.00 AM of 13.03.2026 to 01.00 PM of 30.03.2026.

7. **Techno-Commercial Bids shall be opened on 30.03.2026 at 03.00 P.M. onwards** in OMFED Corporate office in the presence of the bidders. Bidders who participated in the bid can witness the opening of bids after logging on to the site through their DSC. If the office happens to be closed on the last date of opening of the bids as specified, the bids will be opened on the next working day at the same time and venue.

8. The bids shall be opened for the bidders who qualify in the technical evaluation.

9. Co-Operatives, Govt. bodies, NSIC and MSME registered firms are exempted from submitting required EMD.

10. OMFED in its own interest may opt for any other procurement mode/system simultaneously along with this e-Tender process if required without assigning any reason thereof.

11. The Managing Director, OMFED reserves the right to accept/reject any or all the bids without assigning any reason thereof.

12. OMFED reserves the right to increase or decrease the quantity of the tendered items or period of delivery as per the requirement of the Federation.

13. Legal disputes if any concerning the required goods supplied & matters related thereto shall be subject to Jurisdiction of such court as exercising civil jurisdiction of Bhubaneswar only.

Managing Director

OMFED

ELIGIBILITY CRITERIA

Bidders enclosed the followings below required documents in the
Portal: <https://tendersodisha.gov.in> of Technical Bid.

- 1) The Tender Document Cost is fixed at Rs 11,800/- including GST.
- 2) EMD amount of Rs 2,00,000/- deposit through online portal at <https://tendersodisha.gov.in>. The EMD amount to be returned after completion of tender finalization from Govt. of Odisha e-portal.
- 3) Successful bidders Security Deposit (SD) @ 5% of the contact value shall deposit Rs to the Omfed Account after issue of the Purchase Order.
- 4) Minimum Turnover Rs 50 Lakhs for the financial year of 24-25. The certificate from Chartered Accountant and latest Audited Financial result must be submitted in support of required turnover.
- 5) Income Tax Return Acknowledgement for the Assessment Year 2025-26 (F.Y 2024-25).
- 6) GST Return in R3B for last three months up to December 2025 to be submitted.
- 7) The copy of Firm/ Company GST Registration
- 8) The copy of the Firm/ Company PAN Card.
- 9) The Firm/ Company Registration certificate.
- 10) Client list and copy of orders to be provided (For credential).
- 11) Copy of Manufacturing Licence/Authorized Dealer/Distributor Licence.
- 12) OEM must be ISO certified; the product should have CE or equivalent safety certifications.
- 13) Service Network: The bidder must have an authorized service centre within a 50 km radius of the delivery location. Details of Authorized Service Centre must be submitted.
- 14) Warranty: Minimum 1-year comprehensive warranty and 3 to 5 years on the compressor.
- 15) Sign with Seal: The complete tender documents i.e. each page of the Tender document including all annexure (necessary required documents) should be duly signed with sealed.

(SIGNATURE OF THE BIDDER)

TECHNICAL BID

Tenders are invited from Manufacturer/ Authorized Distributor/ Authorized Dealers for supply of below items.

Sl. No	Name of the Item	Total required Quantity	EMD (Rs)	Bidder Minimum Turnover (Rs)
01	Visi Cooler (320 Ltr Cap)	130	2,00,000/-	50,00,000/-
02	Deep Freezer (380 Ltr Cap)	150		
03	Chest Cooler (320 Ltr Cap)	150		

Delivery Place of Coolers

Cooler	Delivery Location	Delivery Quantity
VISI COOLER	Bhubaneswar	80
	Cuttack	25
	Puri	15
	Jatani/Namapada	10
	Total	130
CHEST COOLER	Bhubaneswar	80
	Cuttack	30
	Puri	20
	Jatani/Namapada	20
	Total	150
DEEP FREEZER	Bhubaneswar	100
	Cuttack	25
	Puri	15
	Jatani/Namapada	10
	Total	150

The OMFED reserves the right to increase or decrease the quantity of material & delivery place specified in the schedule of requirements without any change in unit price or other terms and conditions.

The OMFED reserves the right to technically disqualify any bidders, conform the quality parameters in the test report submitted along with the tender document.

(SIGNATURE OF THE BIDDER)

GENERAL TERMS & CONDITIONS

1. EARNEST MONEY DEPOSIT (EMD)/ SECURITY DEPOSIT

- 1.1 Bidders are to deposit the EMD amount in the e-tender portal <https://tendersodisha.gov.in> for participation in the e-Auctions prior to the scheduled time of e-Auctions.
- 1.2 Any bidder without EMD shall not be able to participate in the e-Auctions.
- 1.3 After completion of e-tender process, the bidders get their EMD amount from Govt. of Odisha e-tender portal.
- 1.4 **Security Deposit (SD) (Performance Security)** - Within 10 days of receipt of the Purchase order, the successful bidder is required to deposit Security Deposit (SD) (Performance Security) @ **5% of the contract value**. Bidder may submit the SD through RTGS/NEFT/DD to the Omfed. The proceeds of the SD/Performance Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

The SD/performance security will be discharged by the Purchaser and returned to the Supplier not later than 30 days following the date of completion of Supplier's performance obligation, including any warranty obligations, under the Contract.

Failure of the successful Bidder to comply with above-mentioned requirement shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security (if any).

- 1.5 No interest shall be payable on the EMD/SD.

2. SUBMISSION OF BID

- 2.1 The Bidder is expected to study and understand all instructions, specifications, terms and conditions prior to participating in the e-Auctions.
- 2.2 The rate should be quoted per Nos for free delivery at respective Location. The bidder shall bid for the entire quantity for the Goods.
- 2.3 The prices quoted should be on free delivery at site basis inclusive of all taxes and duties, packing and forwarding charges, freight, insurance etc. for delivery up to Delivery location (As mentioned Auction Notice) and free from any escalations.
- 2.4 The bid price quoted shall have to be valid **for 60 days**, from the date of eAuction. A bid valid for a shorter period shall be rejected and treated as non-responsive.
- 2.5 **Fixed Price:** The Price quoted by the Bidder shall be fixed during the bidder's performance of the Contract/Supply and not subject to variation on any account. A bid submitted with an adjustable price quotation for such goods and services will be treated as non-responsive and rejected.

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- 2.6 Payment of differential amount due to price variation on account of change in applicable taxes and duties on the invoiced items/ services shall be payable only if, the details of the taxes and duties included in the prices & HSN/ SAC code considered, is furnished in the bid. If any altogether new tax and duty is imposed on such contract after the bid opening date, the same shall be considered for payment/ reimbursement upon documentary evidence. Similarly, the differential amount shall be recovered, if the rates of taxes and duties are revised downward.

3. AWARD OF CONTRACT

- 3.1 The L1 rates discovered during the eAuction. If the L1 rate(s) are acceptable to OMFED the Purchase Order (PO) to the L1 bidder within 30 working days after the rate approval.
- 3.2 **Signing of Contract** - Within 07 days from the receipt of the Purchase Order, the successful bidder shall return the duplicate copy of the PO duly signed and sealed.

4 TRANSFER OF CONTRACT

- 4.1 The contract is not transferable on any account whatsoever.
- 4.2 Any request for transfer of contract shall be treated as non-performance or breach of Contract and the EMD or/and SD, as the case may be, shall be liable for forfeiture.

5 DELIVERY

- 5.1 The supplier will supply the items/materials against the purchase orders issued on free delivery at site basis.
- 5.2 Delivery / Completion Period – Supply by April 30, 2026 from the date of issuance of Purchase Order, at respective Location.

6 TAXES AND DUTIES

- 6.1 The rates shall be inclusive of GST. In case of any variation in statutory levies, including GST on the finished product during the contract period, the same shall be applicable as per Government Notifications and shall be borne by the purchaser.
- 6.2 The item wise quoted price shall be on FOR site basis and shall include the charges for packing and forwarding, transportation, transit insurance, unloading and all other local costs incidental for delivery to their final destination, storage insurance (if asked for) and safe custody at recipient's place (If asked for), including GST.
- 6.3 All applicable cess, levies shall be included in the price quoted and shall be borne by the Contractor/ Supplier.
- 6.4 Any claim of contractor / supplier for revision in Taxes should be supported by relevant Government notification.
- 6.5 Any statutory recoveries, if any, shall be effected as per the prevailing rules and regulations.

7 INSPECTION, TESTS & REJECTION

- 7.1 **Inspection** - On placement of order, the goods/equipment under the purview of supply should be inspected by the supplier's own technical experts at the supplier's works and such inspection report should be forwarded to OMFED in triplicate. However, OMFED reserves its right to inspect at any stage of fabrication/manufacture of the equipment/material. The supplier should intimate the OMFED without fail, when the goods/equipment is ready for inspection including the stage wise inspection. The supplier should not proceed with further manufacture and/or despatch of goods/equipment, without obtaining a clearance certificate from OMFED. The supplier should forward to OMFED the Test Certificates, wherever applicable, obtained from concerned authorities/principal manufacturers either regarding quality or any other details of the items utilised in the process of manufacture/fabrication
- 7.2 **Rejection:** OMFED reserves the right to reject the goods either in full or in part, if at the time of delivery, it is noticed that the goods supplied do not conform to the specifications/description given in the purchase order.
- 7.3 The rejections, if any, will be intimated to the supplier in writing within a reasonable time. The supplier will be liable and responsible to repair/ replace the rejected goods within the original delivery period. No extra payment shall be made for such replacement to the supplier/ contractor for freight, unloading and insurance etc. Till the repair/ replacement is made, the rejected goods shall be lying at supplier's risk, cost and responsibility.
- 7.4 If the supplier does not arrange to repair/ replace the rejected goods within the original delivery period, OMFED may dispose off such goods at supplier's risk.
- 7.5 OMFED shall be at liberty to purchase the quantity of items rejected from other parties without giving any notice and at supplier's risk & cost and recover the additional expenditure, if any, from any of the outstanding dues of the supplier/ contractor. OMFED be entitled to recover the expenses made by OMFED on storage and handling of such rejected goods till the goods are removed from Location.
- 7.6 Any loss/ damages / Insurance for the material during Transit will be to the account of supplier only.

8 WARRANTY

- 8.1 The supplier/ contractor must provide **onsite warranty for a minimum period of minimum 12 calendar months as per OEM & and 3 to 5 years on the compressor**, from the date of commissioning of equipment for the satisfactory performance of the supplied equipment according to the designed/ rated/ installed capacity or any other norms fixed by OMFED. If the equipment remains out of order during this period, the warranty will be accordingly extended by period the equipment was out of order due to non-repair by the supplier/ contractor.

(SIGNATURE OF THE BIDDER)

9 SUBMISSION OF BILLS & PAYMENT

9.1 Bills in triplicate stating therein the purchase order reference along with necessary copies of despatch documents are to be submitted as per instructions given in the purchase order. Unless otherwise stated, the payment shall be made by Crossed Account Payee cheque/ RTGS / NEFT according to the terms of payment mentioned in the purchase order.

9.2 Terms of Payment:

100% payment shall be released within 30 days against safe receipt, acceptance of delivered goods at site and against submission of original invoice.

NOTE: The payment shall be released after receipt of **duplicate copy of PO** duly accepted & **5% Security Deposit.**

10 INSURANCE:

10.1 In case where the purchase order is placed on “free delivery at site” basis, no insurance premium will be paid by the Purchaser. In such a case, all required insurance policies (Transit risk insurance policy, storage insurance policy, All risk policy, Workmen Compensation policy, Third Party insurance etc.) may be obtained by the supplier/contractor to safeguard their own interests and to protect the material against transit hazards, storage (at Site) for damage/ loss.

11 LIQUIDATED DAMAGES

11.1 If the supplier/bidder fails to deliver any or all the goods or perform the services within the time period(s) specified in the purchase order/contract, Purchaser shall, without prejudice to its other remedies under the purchase order/contract, deduct from the purchase order/contract price, as liquidated damages, a sum equivalent to:

Sl. No.	Delay Period	Liquidated Damages
01	Up to 15 days	1% of the cost of delayed Goods (Set)/ Services
02	Between 16 to 30 day	2% of cost of delayed Goods (Set)/ Services
03	After 30 days	5% of cost of delayed Goods (Set)/ Services

The Purchaser may without prejudice to any other method of recovery, deduct the amount of such damages from any payment in its hands, due or which may become due to the Contractor/supplier. The payment or deduction of such damages shall not relieve the Contractor from his obligation to complete the Works, or from any other of his obligations and liabilities under the Contract.

The total amount so deducted shall not exceed 5% of the purchase order value. Once the maximum is reached, Purchaser may consider cancellation / termination of purchase order/contract, and forfeiture of performance security and/or Retention amount.

The amount of Liquidated damages will not be adjusted or set-off against any sum payable to the successful tenderer under this or any other contract with Purchaser.

Any incremental, duty /tax levied on account of delay in performance of contract by the supplier, shall be to supplier's account.

12 Termination of Contract:

12.1 Termination for Default

- (a) The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part:
- (i) if the Supplier fails to deliver any or all of the Goods/Services within the period specified in the Contract, or within any extension thereof granted by the Purchaser;
 - (ii) if the Supplier fails to perform any other obligation under the Contract; or
 - (iii) if the Supplier, in the judgment of the Purchaser has engaged in fraud and corruption in competing for or in executing the Contract.
- (b) In the event the Purchaser terminates the Contract in whole or in part, pursuant to Clause **12.1(a)**, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable to the Purchaser for any additional costs for such similar Goods or Related Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

Purchaser shall be free to cancel the order either in full or in part, in the case of non-delivery of material/ non completion of installation/ services within the stipulated delivery period or breach of any of the clauses mentioned herein. In the event of cancellation of order, the supplier/ contractor will be liable to refund the advance, if paid. The supplier/ contractor has no right to forfeit the advance amount received by him.

12.2 Termination for Convenience

- (a) The Purchaser, by notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- (b) The Goods that are complete and ready for shipment within twenty-eight (28) days after the date of issuance of the termination notice, shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:
- (i) to have any portion completed and delivered at the Contract terms and prices; and/or
 - (ii) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier

13 FORCE MAJEURE:

The terms and conditions mutually agreed upon shall be subject to Force Majeure Clause. Neither the supplier/ contractor nor OMFED shall be considered in default in performance of his/their obligations hereunder if such performance is prevented or delayed because of war, hostilities, revolution, civil commotion, strike, epidemic, accident, fire, wind, flood, earthquake or because of any law, order, proclamation, regulation or ordinance of any Government or of any act of God or any other cause whether of similar or dissimilar nature, beyond the reasonable control of the party affected. Should one or both the parties be prevented from fulfilling his/their contractual obligations by a state at Force Majeure lasting continuously for a period of six months, the two parties should consult each other regarding the future implementation of the contract/purchase order.

14 ARBITRATION:

In the event of any dispute in the interpretation of the terms of this agreement/ purchase order or difference of opinion between the parties on any point in the purchase order arising out of or in connection with the agreement/ accepted purchase order or with regard to performance of any obligation hereunder by either party, the parties hereto shall use their best efforts to settle such disputes or difference of opinion amicably by mutual negotiations. In case no agreement is reached, either party may forthwith give to the other, a notice in writing of the existence of such question, dispute or difference of opinion and the same shall be referred to the adjudication of sole arbitrator to be appointed by mutual consent of both the parties, whose decision in the matter shall be final and binding on the parties. The arbitration proceedings shall be governed under the provisions of the Indian Arbitration & Conciliation Act, 1996 and the rules thereunder or any statutory modification thereof for the time being in force. In this agreement/purchase order, venue of such arbitration shall be at Court at Bhubaneswar, Odisha, alone shall have jurisdiction regarding any matter arising out of this contract/agreement

15 OTHER TERMS:

- 15.1 OMFED reserves the right to reject any or all Bid without assigning any reasons. The decision of OMFED in this regard shall be final and binding on all suppliers.
- 15.2 **Qty. variation:** OMFED reserves the right to increase or decrease the quantity to be ordered up to **15%** of tendered quantity at the time of issuance of the Purchase Order.

(SIGNATURE OF THE BIDDER)

TECHNICAL SPECIFICATION OF VISI COOLER

Parameter	Specification
Capacity and Dimensions	
Gross Capacity	Minimum 300–320 Litres
Net Storage Capacity	Not less than 280 Litres
Configuration	Vertical/Upright, Single Door
Footprint	Compact design (approx. 600 mm X 600mm base) to optimize floor space
Cooling System & Performance	
Temperature Range	+1°C to +10°C (adjustable).
Cooling Type	Forced Air Circulation (Dynamic Cooling) to ensure uniform temperature across all shelves
Defrost Type	Automatic Frost-Free operation
Compressor	Tropicalized, heavy-duty compressor suitable for ambient temperatures up to 43°C
Refrigerant	Eco-friendly, CFC/HCFC free (e.g., R134a or R600a)
Construction and Design	
External Body	Pre-painted galvanized steel or UV-grade plastic for corrosion resistance and long-lasting appearance
Internal Cabinet	Food-grade ABS or prepainted aluminium/steel
Door	Double-pane vacuum-sealed tempered glass with an integrated heater or low-emissivity coating to prevent condensation (anti-fog)
Shelving	Minimum of 4 adjustable, heavy-duty PVC-coated wire shelves
Mobility	Heavy-duty castor wheels (front lockable) for easy movement
Electrical and Lighting	
Internal Lighting	High-efficiency vertical LED strip for maximum product visibility
Power Supply	230V, 50Hz, Single Phase
Insulation	High-density cyclopentane PUF insulation (minimum 45mm to 50mm thickness)
Features and Safety	
Thermostat	Adjustable mechanical or digital temperature controller with external display
Safety Lock	Integrated door lock with a master key.
Handle	Recessed or ergonomic sunken handle for safety in high-traffic areas
Gasket	Removable magnetic gasket for easy cleaning and airtight sealing

TECHNICAL SPECIFICATION OF DEEP FRIDGER

Parameter	Specification
Capacity & Type	
Gross Volume	Minimum 380 Litres
Net Storage Volume	Not less than 365 Litres
Type	Horizontal Chest Type (Hard Top or Sliding Glass Top as per preference).
Door Type	Twin-Door (Split Lid) is recommended for 380L to minimize cooling loss during frequent sales.
Cooling & Refrigeration Performance	
Temperature Range	(-18°C to -25°C) - (Adjustable).
Ambient Suitability	Must be T-Class (Tropicalized), rated to perform at ambient temperatures up to 45°C
Pull-down Time	Must be able to reach -18°C within 5 hours under no-load condition at 32°C ambient.
Hold-over Time	Must maintain temperature below -9°C for at least 4 hours during power outages (with the lid closed).
Construction & Insulation	
Cabinet Material	High-grade corrosion-resistant Galvanized Steel (PCM) with powder coating.
Inner Liner	Food-grade Stainless Steel (SS 304) or Embossed Stucco Aluminium for maximum thermal efficiency and hygiene.
Insulation	Minimum 70mm to 80mm thickness of High-Density, CFC-Free Cyclopentane Polyurethane Foam (PUF).
Drainage	Front-located drain plug for easy defrosting and cleaning.
Compressor & Electricals	
Compressor	Heavy-duty, hermetically sealed, energy-efficient compressor (suggested brands: Danfoss, Emerson, or Tecumseh).
Refrigerant	Eco-friendly, Non-CFC/HCFC gas (R-290 or R-404a preferred for deep freezing).
Voltage Range	Designed to operate between 170V – 260V, 50Hz, Single Phase.
Condenser	Fan-cooled external condenser or high-efficiency skin condenser with anti-corrosive coating.
Controls & Safety	
Thermostat	Digital Temperature Controller with an external LED display (accurate to $\pm 1^{\circ}\text{C}$)
Alarm	(Optional but recommended) Visual or audible alarm for high-temperature deviation.
Locking	Integrated heavy-duty handle with a key lock.
Mobility	4 heavy-duty castor wheels (at least 2 with locking brakes).
Quality Standards & Certifications	
Certification	ISO 9001 (Quality), ISO 14001 (Environment), and CE/ISI certification.
Energy Rating	Minimum 3-Star or equivalent energy efficiency rating.

Warranty	1 year on the full machine; 5 years on the compressor.
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TECHNICAL SPECIFICATION OF CHEST COOLER

Parameter	Specification
General & Capacity	
Gross Capacity	Minimum 320 Litres
Net Storage Capacity	Not less than 310 Litres
Type	Horizontal Chest Cooler (Hard Top)
Configuration	Single or Double Door (Lid) based on preference (Double Lid is recommended for 320L to reduce cooling loss)
Cooling Performance	
Temperature Range	Optimized for dairy (+1°C to +6°C). It must not freeze the milk but must keep it consistently below 5°C.
High-Speed Cooling	The system must be designed for frequent door openings (at least 15-20 times per hour) without significant temperature fluctuation.
Hold-over Time	In case of power failure, the unit must maintain a temperature below 10°C for at least 6–8 hours (assuming the lid remains closed).
Ambient Temperature Suitability	Must be Tropicalized (capable of performing in ambient temperatures up to 43°C).
Cooling Type	Direct Cool / Static with high-efficiency fan-cooled condenser.
Pull-down Time	Capability to reach set temperature within 4–6 hours under full load.
Construction & Material	
Outer Body	Impact-resistant, powder-coated steel to withstand high-traffic environments.
Inner Liner	Food-grade Stainless Steel (SS 304/High-Grade PCGI) is highly recommended over aluminium for milk booths to prevent lactic acid corrosion and for easier sanitization.
Insulation	High-density, CFC-free Polyurethane Foam (PUF) / Cyclopentane (Eco-friendly); minimum thickness 60mm to ensure longer cooling retention during power outages.
Gasket	Anti-fungal, food-grade silicone or PVC gasket.
Refrigeration System	
Compressor	High-efficiency, hermetically sealed reciprocating compressor (Brand: Reputed like Emerson, Danfoss, or GMCC). Tropicalized High-Torque (for frequent starts)
Refrigerant	Eco-friendly, Non-CFC/HCFC gas (e.g., R-134a or R-290)
Condenser	Sub-surface/Skin type or wire-on-tube with anti-corrosive coating.
Evaporator	Internally bonded copper tubing or high-grade aluminium.
Electricals & Controls	
Power Supply	220V - 240V, Single Phase, 50Hz.
Temperature Control	Adjustable Mechanical Thermostat or Digital Temperature Controller with external display.
Voltage Stabilizer	Since milk booths often face voltage fluctuations, the unit should have a built-in stabilizer or a requirement for an external 2KVA stabilizer.
Internal Lighting	LED lighting (cool white) triggered by a door sensor to help operators identify crates/pouches quickly.
Safety Features	In-built thermal overload protection for the compressor.

Accessories & Ergonomics	
Lid Type	Hard top, hinged with spring-loaded mechanism for effortless operation.
Locking	Integrated key lock on the handle/lid.
Mobility	Minimum 4 heavy-duty castor wheels (at least 2 with brakes) (360° swivel).
Drainage	Large-diameter drainage pipe with a front-facing plug for easy daily cleaning of any spilled milk.
Baskets	Minimum 2 Nos. plastic-coated wire baskets included.
Load Bearing	The floor of the cooler must be reinforced to handle the weight of stacked milk crates (approx. 150-200kg total load).
Quality Standards & Certifications	
Certification	ISO 9001, ISO 14001, and CE/ISI certified.
Energy Rating	Minimum 3-Star or equivalent energy efficiency rating.
Warranty	Minimum 1 year on the full unit and 3–5 years on the compressor.
