



**milma**

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**ERNAKULAM REGIONAL CO-OPERATIVE MILK PRODUCERS' UNION LTD**

**Head Office, Edappally, Kochi – 682 024**

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No: EU/PUR/PD/40/2011-12

24.01.2012

### **QUOTATION NOTICE**

Competitive quotations are invited from the reputed manufactures/suppliers for the design, fabrication, supply, installation and commissioning of Tunnel Freezer for the hardening of Chocobar at Products Dairy, Edappally subject to the following terms and conditions:-

Last Date for Submission : 14.02.2012

The Quotations should reach this office on or before 14.02.2012, 12.00 Noon and will be opened on the same day at 3.00 PM.

### **Our Requirements**

1. The temperature difference between inlet and outlet product shall be minimum  $-28^{\circ}\text{C}$  (Product inlet temp.  $-5^{\circ}\text{C}\pm 2$ )
2. Quantity of product to be loaded in a batch - 8 Kg. (Approx.). The details are as follows:-
  - a. Weight of one Chocobar - 40 gm.
  - b. No. of Chocobar in a mould - 24 Nos.
  - c. Total No.of moulds to be loaded - 8 Nos.
3. Minimum time required for hardening a Batch - 15 to 20 Minutes.

### **Technical Specification**

#### **BASIC DESIGN**

Equipment Design	Chocobar Hardening Chamber
Size	2400 x 1500 x 1400 mm
Temp Maintain	$-32 \pm 2^{\circ}$
Product	Ice Cream

## **INSULATED PANEL**

These panels are modular in nature and Pre Fabricated sandwich type, available in standard modular width starting from 1500mm, Height up to 12m. The panels consist of two outer skins PCGI Sheet with an insulation Core made up of self-extinguishing Rigid Polyurethane Foam (PUF) with high insulation co-efficient & K-Value providing thickness 60 – 80 – 100- 120 -150 mm for cold room.

### **Puf Panel Specification**

Type of insulation	Puf (Rigid)
Density	40± 2 kg / m <sup>3</sup>
Thickness of insulation:- Freezer room	150 mm
Skin of Material:- Wall	S.S 304
Puf insulated doors:- Type	Hatch Door
Size	250 mmx500mm x8 Nos.
Thickness	150 mm Freezer Room

### **Equipments for Freezer Room**

Condenser	Water Cooled Condenser make.....
Compressor	Semi Sealed compressor make Bitzer suitable for above load
Evaporator	Made up of S.S Body with 3 Fans , expansion valve and other accessories make..... which is suitable for above load
Cooling Capacity	R404 A
Defrosting	Manual/Hot Gas
Electrical	Control panel with necessary accessories
Inlet & outlet	S.S Trays Channels provide for sliding of moulds in the chamber from one end to other end, Provision of drain out the water from chamber with valve.
Frame	SS Angle (or) Pipe 51mm - AISI304

## **Terms & Conditions:**

1. The bidder should be a manufacturer/authorized representative of a manufacturer who must have designed, manufactured, fabricated, tested, supplied and commissioned the equipment(s) as per our requirements which shall be in successful operation for at least two years as on the date of bid opening. For the bidder, to be eligible for bidding this contract should have successfully commissioned the units in Co-op Milk Unions/ Govt. Sector/Public Sector in India (Successful Installation list shall be provided). Bidders shall invariably furnish documentary evidence (client's certificate) in support of the satisfactory operation of the equipment as specified above.
2. Battery Limits and Exclusions:-
  1. Any kind of civil work like foundations, making and breaking of walls for openings for Pipes, Cables etc. are not in the scope of this contract.
  2. Electrical Works and approvals are not in the scope of this contract. The details of Refrigeration/Electrical Load and drawing shall be submitted along with the quotation.
  3. Power and Water for erection & commissioning will be provided by the dairy at free of cost. However the tenderer shall make their own arrangements at their cost and risk for tapping the same from the mains as directed by the dairy officials without affecting the normal working of the Dairy plant.
3. Tenderers shall specify the make, model, Capacities etc and with all technical Specifications and other details along with the offer.
4. Detail General Arrangement drawing, design of this equipment shall be prepared by the bidder with cross sectional details and measurements along with offer. The approval of supplier's drawing shall be done by ERCMPU LTD, after placement of the order. After the approval of detailed G A drawing, they can start fabrication.
5. The tenders submitted and the price quoted shall be valid for 6 months, from the date of opening of Tender. In exceptional circumstances the ERCMPU may in writing solicit the tenderers consent to extend the period of validity of offer.
6. The prices finalized for the items coming under the contract are fixed during the validity of contract period.
7. Notwithstanding anything contained in the tender schedule, no obligation is cast on ERCMPU to accept the lowest tender and the ERCMPU also

reserves the right to accept or reject any or all the tenders without assigning any reason.

8. Price quoted shall be inclusive of all taxes, entry tax, levies, octroi etc (ruling as on date of finalization/award of the contract) incurred until the delivery of the items to ERCMPU.
9. The quotation should be submitted along with Demand Draft for ₹ 5,000/- (Rupees Five Thousand only) towards Earnest Money Deposit in favour of Managing Director, ERCMPU Ltd., payable at Ernakulam. The EMD can also be remitted by Cash at our Office from 11.00 A.M. to 3.00 P.M. during working days.
10. Insurance: The goods despatched under the contract on FOR destination basis shall be fully insured against loss or damage in transit at Supplier's A/c.
11. The materials shall be delivered on door delivery basis including unloading charges to the Products Dairy within one month of firm order.
12. Guarantee: The Supplier shall have to Guarantee the quality of equipment supplied strictly as per specification of contract/purchase order for a period of 1 year.
13. Taking in to consideration, the Technical Competence and the quoted price for the goods of specified quality, the tender shall be evaluated.
14. The Quotation shall be opened on the date/time and venue specified in the presence of the bidders or their authorized representative who opt to be present on the date/time at venue specified for opening of quotations.
15. Payment Terms:-
  - a. 90% shall be made within one month after installation, commissioning and satisfactory operation by our concerned Dairy.
  - b. 10% shall be retained and released after guarantee period of 1 year.
16. Dispute: In case of any disagreement or dispute arising between ERCMPU & the supplier, the decision of Managing Director, ERCMPU shall be final.
17. The details can be had from our office during office hours.

**MANAGING DIRECTOR**

To

All Notice Boards.

Mf/Oc.