



**THIRUVANANTHAPURAM REGIONAL COOPERATIVE MILK PRODUCERS' UNION LTD.**

(Affiliated to Kerala Cooperative Milk Marketing Federation Ltd.)

**Head Office: "Ksheera Bhavan", Pattom, Thiruvananthapuram – 695 004.**

*Phone: 0471-2447109, 2446845, 2448057 Fax: 2449567 email: ppm.trcmpu@gmail.com*

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TRU/PPM/52/2023-24

14.04.2023

**EXPRESSION OF INTEREST FOR SUPPLY OF 20 KL MILK HOMOGENISER  
FOR THIRUVANANTHAPURAM DAIRY UNDER TRCMPU**

Expression of Interest (EOI) is invited from experienced & reputed manufacturers/dealers for supply, installation, commissioning and testing of 20 kl Milk Homogeniser for Thiruvananthapuram Dairy under TRCMPU. Please refer to the website of TRCMPU [www.milmatrcmpu.com](http://www.milmatrcmpu.com) for further details.

## **GENERAL TERMS AND CONDITIONS OF THE EOI**

EOI reference & date	TRU/PPM/52/2022-23 dated 25.04.2023
Description of EOI	Supply of 20 kl Milk Homogeniser
Last Date and Time for receipt of EOI	05.05.2023, 12:00 PM
Date and Time of opening of EOI	05.05.2023, 03:30 PM

The specifications of Homogeniser are mentioned below.

The detailed address of the manufacturer along with place of manufacturing location, facilities available etc. shall be indicated.

The details of the previous orders executed, orders now in hand etc. shall be specified.

The tentative price of the equipment shall be indicated in the EOI in Indian rupee with taxes.

Submission of EOI does not mean as a bid submission and so no claim or preference shall be entertained in the event of placement of order after inviting bids at a later stage.

## **LETTER OF INVITATION**

Sir/Madam,

Thiruvananthapuram Regional Co operative Milk Producer's Union (TRCMPU) invites sealed Expression of Interest (EOI) from experienced & reputed manufactures/dealers for supply, installation, commissioning and testing of 20 kl Milk Homogeniser for Thiruvananthapuram Dairy under TRCMPU.

The EOI Document is also available on the TRCMPU website [www.milmatrcmpu.com](http://www.milmatrcmpu.com)

You may submit your responses in sealed envelopes in prescribed format to the undersigned latest by 05.05.2023, 12:00 PM.

**Managing Director  
TRCMPU, Ksheera Bhavan  
Pattom, Thiruvananthapuram 695004**

Queries if any may be referred in writing to the Managing Director, TRCMPU, at the above mentioned address or E-mail: [ppm.trcmpu@gmail.com](mailto:ppm.trcmpu@gmail.com) ,  
[mdtrcmpu@gmail.com](mailto:mdtrcmpu@gmail.com)

Yours faithfully,

Sd/-  
Managing Director

## EQUIPMENT SPECIFICATION

Type of Packing	Standard seaworthy export packing
Manuals	In English language
Date plate	In English Language
Product	Milk, Recombined Milk
Viscosity	50 cPs
Maximum particle size	50 micron
Operating Temperature	<90deg C
Execution	Sanitary
Capacity	20000 litres/hr (50%-100% variable)
Normal working pressure	150bar(+/- 10 bar)
Maximum working pressure	180bar
Motor KW	132 kw
Electrical supply	3 ph /415 V/50 Hz
Auxiliary circuits	24 V DC
Water supply	90 LPH at 2 bar

### Technical scope of supply

The machine, manufactured according to the directive 98/37/CEE and following updates, included:

Compression Block with:

- Tungsten carbide (WC) denoted pumping plungers

- Stellite pump valves and valve seats
- Sanitary design analog pressure gauge
- Safety over pressure relief valve
- high efficiency latest technology energy saving homogenization valve with pneumatic adjustment of the pressure to be considered. Product contact part in tungsten carbide for better life.
- Special heavy-duty cast-iron body housing transmission parts.
- Lubrication system: Forced type with electro pump, including pressure switch
- Transmission drive with AC motor
- Frame with stainless steel removable panels
- Set of special tools
- One set of spares
- Operation and Maintenance manuals
- Pulsation dampeners for inlet, fitted to the suction manifold with in feed pressure transmitter with low pressure safety.
- Pulsation dampeners for outlet, supplied loose with proper end connections
- SMS unions on product in & out connections.
- Electric starter/control panel in stainless steel cabinet. Includes VFD starter, electrical protections for all motors and auxiliary circuits, hour-meter, alarm lamps, tagged components and cables, terminal board for EPB/ machine interface including machine RUN contact, electrical diagrams and components list. The supply includes start/stop push buttons, alarm lamp on machine front panel (cables connecting the EPB and the machine are excluded). The panel shall be made in India/Europe and shall conform to Kerala Electrical Inspectorate Standards
- One lube oil gauge and one air pressure gauge shall be supplied
- Required lubricating oil will be arranged by the dairy. The supplier shall inform the dairy well in advance the type and grade of lubricating oil to be arranged.

Machine shall have the following safety arrangements to safeguard the machine.

- i. Machine cannot be started in the absence of the flow of cooling water, Product and Air.
- ii. Machine should be tripped with alarm in the event of absence or inadequate flow of cooling

water, Air and Product during operation.

iii. Necessary control wiring and safety devices for the above shall be supplied.

iv. Interlock for monitoring outlet valve position.

**Sd/-**  
**Managing Director**