



THIRUVANANTHAPURAM REGIONAL CO-OPERATIVE MILK PRODUCERS' UNION LTD.

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QUOTATION NOTICE

Sealed quotations are invited for the supply of milk testing equipments. The rates quoted should be FOR destination and include all taxes and levies. Please quote your lowest rates for the items shown in the appended list indicating specification, delivery period, mode of delivery and general terms of business.

- 1) Item required: The name of each item with description and specification are given in the annexure. The quantities mentioned are only approximate and are likely to change.
- 2) Specifications: Should meet the prescribed technical specifications.
- 3) Price: The rates quoted shall be valid for 6 months and should include all expenses(except GST) for supply at the respective Units of T.R.C.M.P.U. Ltd., at Trivandrum, Kollam, Mannar and Pathanamthitta.
- 4) Earnest Money Deposit: As EMD of Rs. 3000/- (Rupees Three Thousand only) shall be deposited by remitting cash at this office and the receipt shall be enclosed. EMD can also be paid as Demand Draft in favour of Managing Director, TRCMPU payable at Thiruvananthapuram and shall be enclosed with the quotation.
- 5) Payment: Payment shall be made on satisfactory receipt of items within 20 days from concerned destinations.

The quotations superscribed 'Quotations for supply of Milk Testing Equipments' should reach this office by **2 PM** on **04/05/2019**. Quotations received shall be opened at 3.00 PM on the same day. Any quotation received after the stipulated date and time shall be rejected.

The quotation shall be accompanied by a sample, free of cost. Managing Director, TRCMPU reserves the right to accept, reject, postpone, split or cancel the quotations without assigning any reason thereof.

MANAGING DIRECTOR

ANNEXURE

Specification of Milk Testing Equipments

Sl No.	Name of Item	Quantity required	Specifications
1)	Acid Bottle	200 Nos	500 ml glass bottle suitable for acid tilt measure.
2)	Alcohol bottle	100 Nos	200 ml glass bottle suitable for alcohol tilt measure.
3)	Milk Butryometer	1900 Nos	As per BIS Standards made from clear transparent glass, resistant to chemicals and thermal shock and shall be well annealed, free from stones, blisters, cracks and other visible defects. The graduated tube shall remain uniform in cross section and with clear graduation mark, permanent lines of uniform thickness (0.1 to 0.2mm). The capacity of the bulb shall be at least 1.5ml. A small matt surface shall be provided on the bulb.
4)	Butrometer Plastic Shaking Stand (12 Holes)	225 Nos.	Made out of good quality plastic to facilitate holding of 12 butrometers to mix the contents and to hold the butrometer in proper position . It shall be provided with plastic hood that can be loosened by flange nuts on its vertical sides.
5)	Lactometer Cylinder SS	210 Nos.	Made of SS 304 Pipe 1.6mm wall thickness, suitable for above zeal type lactometer.Minimum weight – 270 gm.
6)	Lock stopper Key	450 Nos.	Aluminum Lock Stopper Key suitable for Gerber Testing
7)	Milk Pippette	400 Nos	BIS Standards , 10.75 ml made out of corning glass, thick walled glass tubing well annealed and free from stones, blisters, cracks and have the marking ' width' legibly.
8)	Sample Dipper (SS)	350 Nos	Shall be made of stainless steel sheet of 1.2mm thickness and SS rod of 4.0 mm diameter. The sample bowl of 50 ml and 30cm long rod shall be welded to the outside. The other end of the rod shall be bent in a 'U' shape for holding. Minimum weight 90gm.
9)	Milk collection Tray (SS)	25 Nos	Made 1.2mm thick S S 304 Size 440 x590x65 mm , Minimum weight - 4200 gm.
10)	Milk Strainer (SS)	60 Nos	It shall be made of SS AISI 304 sheet of thickness 1.20 mm . At the conical section shall be the a removable SS fine wire mesh filter (SS 304,18 guage and 25 holes per Sq .cm).Filter shall rest in a grooved step in the funnel. Welding shall be TTG method only and shall have smooth edges with finish of minimum 150 gait,A ring shall be provided for handing on a wall. Dimensions: Top Diameter - 320 mm Bottom Diameter - 127 mm Height - 190 mm Strainer Diameter - 127 mm Minimum weight - 1600 mm

11)	Milk Plunger(SS)	100 Nos	Milk Can Plunger , made from SS 304 , Minimun Weight - 650 gm
12)	Tilt Measure Acid 10 ml with rubber bung	400 Nos	To measure 10ml of Gerber Sulphuric Acid for determination of fat content in milk. Shall be made of corning glass . Rubber bung implied shall suit 500ml acid bottle.
13)	Tilt Measure Alcohol with rubber bung (1 ml)	400 Nos	To measure 1 ml of Amyl Alcohol for determination of fat content in milk by Gerber method. Shall be made of corning glass .One measuring should deliver 1ml of Amyl Alcohol at 27 C. Rubber bung implied shall suit 200ml alcohol bottle.
14)	Butrometer Brush	1100 Nos.	Shall be made of soft nylon fibre densely woven on mild steel wire of 0.813 mm thickness , bristles of best quality. The tip of the brush should be of not more than 5mm dia.The total length of the brush shall not be less than 225 mm.
15)	Pipette Brush	900 Nos.	Suitable for milk pipette shall be made of soft nylon fibre densely woven on mild steel wire of 0.813 mm thickness. The tip of the brush should be of not more than 5mm dia.The total length of the brush shall not be less than 225 mm.

MANAGING DIRECTOR