



**THIRUVANANTHAPURAM REGIONAL CO.OPERATIVE MILK
PRODUCERS' UNION LTD. KSHEERA BHAVAN, PATTOM,
THIRUVANANTHAPURAM –695 004**

Bid Ref. No.578.C/TRU/PC/2018

TENDER FOR

**Supply, Installation, Testing and Commissioning of
Skid Mounted Effluent Treatment Plant at Bulk Milk Chilling Centre
at East Kallada BMCC Unit in Kollam District, Kerala**

2018

BID FORM

1. Registered Name of Bidder :

2. Address :

3. Telephone

i) Land phone :

ii) Mobile :

iii) E-mail :

iv) Fax :



THIRUVANANTHAPURAM REGIONAL CO.OPERATIVE MILKPRODUCERS' UNION LTD.

KSHEERA BHAVAN, PATTOM, THIRUVANANTHAPURAM –695 004

Phone Nos. 2558850, 2446845 Fax: 2449567, E-mail [ID - trcmpuproj@gmail.com](mailto:trcmpuproj@gmail.com)

NOTICE INVITING TENDER

Thiruvananthapuram Regional Co-operative Milk Producers Union Ltd is a Regional Milk Union functioning in Kerala with its head quarters in Thiruvananthapuram. There are 75-80 BMCC units are functioning under the union and installation of about to 20Nos is under progress. Some of the BMCC units have no surrounding area to handle the effluent generated in their units and some of them have sufficient space to accommodate conventional type ETP. BMCC units which do not have surrounding area, there we are planning to install Skid mounted ETP, whereas those units have sufficient area for the installation of conventional type ETP, there we are planning to install conventional type ETP. As a pilot project we are planning to set up one each of both type.

The Managing Director, Thiruvananthapuram Regional Co-operative Milk Producers Union Ltd (TRCMPU Ltd) invites bids from reputed Manufacturers / Authorized dealers for the Supply of Installation, Testing and Commissioning of Effluent Treatment Plant at Bulk Milk Chilling Centre at East Kallada BMCC Unit in Kollam District, Kerala.

1.	Tender No. & Date	578.C/TRU/PC/2018 Dated, 03/12/2018
2.	Item of Work	Supply of Installation, Testing and Commissioning of Effluent Treatment Plant at Bulk Milk Chilling Centre at East Kallada BMCC Unit in Kollam District, Kerala.
3.	Specification	Attached
4.	Quantity Required	1 No
5.	Estimated Amount	Rs.3.5 Lakhs (Approx.)
6.	Date and time of opening of e-tender	26/12/2018, 2 pm
7.	Place of Opening	TRCMPU Ltd., Ksheera Bhavan, Pattom Thiruvananthapuram-695004.
8.	Bid Validity	90 Days
9.	Warranty	12 months warranty from the date of commissioning.
10.	Delivery time	Within 60 days from the date of Confirmed order.

TERMS & CONDITIONS

Functional requirement

The treatment plant is to be set up for the treatment of effluent water generated by washing of milk cans, milk storage tanks and floor of the BMCC unit etc. The effluent water generated in the BMCC unit has the following parameters, which is to be brought down to the limits specified by Kerala State Pollution Control Board.

Sl. No	Parameters	Effluent water	Treated water
1	Ph	7-8	6.5-7.5
2	COD, mg/l	700	<200
3	BOD, mg/l	150	<30
4	TSS, mg/l	150	<100

Scope of work

1. Design and Detailed Engineering of Skid mounted type Effluent Treatment Plant for the plant capacity of 2.0 m³/day with a batch load of 1000L.
2. Design, Supply & construction of civil structure if any required.
3. Supply of necessary mechanical equipment, piping and valves.
4. Erection of the skid.
5. Testing, trial run and commissioning of the plant.
6. Supply of necessary documents for getting approval from Kerala State Pollution Control Board.
7. Supply of Effluent collection tank and pumping of effluent to treatment tank using SS sanitary standard pump, treated water collection tank and pump for treated water tank outlet are also under the scope of the bidder.

Design Basis:

The effluent water generates in the BMCC unit in 2 shifts of 6-8 hours interval. The plant should be capable of handling the installed capacity in two batches.

Tender Submission

The Tender shall be submitted in person or by post so as to reach the Managing Director, TRCMPU, Pattom, Thiruvananthapuram on or before 24.12.2018, 2.30 P.M.

Tender Opening

Tender will be opened at 3.00 PM on 24.12.2018 in the above office in presence of Tenderers or their representatives.

Price Basis

The rates quoted should be inclusive of all the taxes, loading, transit insurance, transportation to the dairy, commissioning charge etc. and nothing extra will be paid on any account.

PRICE FORMAT

Sl.No	Description	Unit Price
		Amount in Rs
1	Basic Price	
2	Packing & Forwarding charges	
3	GST	
4	Freight	
5	Insurance Charges	
6	Others	
7	Installation, Testing & Commissioning charge	
8	Un loading Charge at Site	
	TOTAL	

Eligibility Criteria:-

1. The bidder should be in business as Manufacturer / Supplier of Effluent treatment plant for a minimum period of five years at the time of bid opening.
2. The bidder shall have completed at least five installations of similar nature in BMCC/ dairies for which this invitation to bid is issued during the last five years.

Terms of payment:

- 60% of the total value shall be released on supply of all materials at site.
- 30% of the total value shall be released on commissioning the unit & Trail run for 2 months

- 10% of the total value will be released on satisfactory completion of guarantee period of twelve months from the date of commissioning in all respect. However the said amount will be paid against a Bank Guarantee valid for twelve months from the date of supply.

Delivery:

East Kallada Dairy Co-operatve Society, Near Chittumala Junction, Kollam-Dt, Kerala , Ph.

Billing address

Manager, TRCMPU Ltd, Kollam Dairy, Thevally PO, Kollam-691009, Ph.

Drawings, Specifications & Manuals:

Prior to commencement of fabrication, you shall have to submit for our approval, two sets of drawings of all the items ordered for supply showing overall dimensions with typical sections, details of service connections and their equipment, details of drive units etc. The drawings should also show a complete bill of material, wherever applicable.

Three sets each of operation and maintenance manuals and service instructions along with the drawings showing details of part list.

You shall provide a list of spare parts, which will be required for the plants and equipments supplied by you for at least two years of normal operation with the names and the addresses of the manufacturers from whom they can be procured. The list should contain the code numbers of the parts which are required to be procured, in addition to the machine number, models etc.

In case of items, for which drawings are provided by the TRCMPU, you shall fabricate/manufacture the items strictly in accordance with these drawings and any other instructions given by the TRCMPU. For such items, there is no need for you to submit the drawings to the TRCMPU for approval prior to commencement of fabrication/manufacture. Where documents and drawings are supplied to you by TRCMPU the same must be treated as confidential, must not be copied, reproduced, transmitted or disclosed otherwise in whole or part, not duplicated, modified divulged or discussed with any third party nor used in any other way without the consent of the TRCMPU in writing. All such documents and drawings, shall be property of TRCMPU, and they must be returned to TRCMPU after execution of the order.

Liquidated damages clauses:

In case supply of equipment is not delivered within the stipulated period mentioned in this work order liquidated damages will be charged and the rate of 0.5% per week for the equipment so delayed subject to a maximum of 10% of the order value.

Guarantee:

The supply of equipment has to be carried out to the entire satisfaction of TRCMPU. You shall also guarantee to repair/replace without any extra cost, the items or parts thereof, if found defective due to bad designing, workmanship or substandard material used for the manufacturing within 12 months from the date of putting on use/commissioning or 18 months from the date of receipt of material at site whichever is earlier. If it is necessary to send the defective equipment or parts

thereof to you works for repair/replacement, without forming any precedence, the cost or repacking, loading, unloading, transportation from the site to your works and back to site shall have to be borne by you.

The guarantee however does not cover any damage resulting from normal wear and tear or improper attendance or mishandling of the equipment during repairs by personnel other than the supplier or his authorized agents.

Arbitration:

In case of any dispute, the Registrar of Co-operative Societies of Kerala State shall be the sole Arbitrator as per the provisions of Kerala Co-operative Societies Act 1969.

Jurisdiction

THIRUVANANTHAPURAM (KERALA) Only

General:

The TRCMPU reserves the right to reject any or all the Bids without giving reasons and no explanation can be demanded for such rejection.

The TRCMPU reserves the right to negotiate with the bidder/bidders.

Damage should not occur to any of the equipment or piping in the BMCC unit

Managing Director