



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

Bid Ref. No.581.C/TRU/PC/2018

TENDER FOR

**Supply, Testing and Commissioning of 10KLPH Fully Automatic
Milk Pasteurizer at Pathanamthitta Dairy**

2019

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:ID-trcmpuproj@gmail.com)

NOTICE INVITING TENDER

The Managing Director, Thiruvananthapuram Regional Co-operative Milk Producers Union Ltd (TRCMPU Ltd) invites online bids from reputed Manufacturers / Authorized dealers for the supply, testing and commissioning of 10KLPH Fully Automatic Milk Pasteurizer at Pathanamthitta Dairy under RKVY Scheme.

1.	Tender No. & Date	581.C /TRU/PC/2018 Dated, 04/02/2019
2.	Item of Work	Supply, testing and commissioning of 10KLPH Milk Pasteurizer at Pathanamthitta Dairy.
3.	Specification	Attached
4.	Quantity Required	-1No
5.	Estimated Amount	Rs.33 Lakhs (Approx.)
6.	Bid Submission Fee	Rs.1000/-
7.	Earnest Money Deposit	Rs.33000/- (Rupees Thirty three Thousand Only)
8.	Date and Time of Publication of e- tender.	04/02/2019, 3pm
9.	Date of Submission of e-tender	04/02/2019, 3 pm to 19/02/2019, 2 pm
10.	Date and time of opening of e-tender	20/02/2019, 2.30 pm
11.	Place of Opening	TRCMPU Ltd., Ksheera Bhavan, Pattom Thiruvananthapuram-695004.
12.	Bid Validity	90 Days
13.	Warranty	12 months warranty from the date of commissioning.
14.	Delivery time	Within 90 days from the date of Confirmed order.

MANAGING DIRECTOR

Terms & Conditions for e-Procurement

This tender is an e-Tender and is being published online for work / supplying of equipment as mentioned in the Invitation to bid. The tender is invited in two cover system from the registered and eligible manufacturers / suppliers through e-procurement portal of Government of Kerala (<http://www.etenders.kerala.gov.in>). Prospective bidders willing to participate in this tender shall necessarily register themselves with above mentioned e-procurement portal.

The tender timeline is available in the critical date section of this tender published in www.etenders.kerala.gov.in.

A) Online Bidders registration process:

Bidders should have a Class II or above Digital Signature Certificate (DSC) to be procured from any Registration Authorities (RA) under the Certifying Agency of India. Details of RAs will be available on www.cca.gov.in. Once, the DSC is obtained, bidders have to register on www.etenders.kerala.gov.in website for participating in this tender. Website registration is a one-time process without any registration fees. However, bidders have to procure DSC at their own cost.

Bidders may contact e-Procurement support desk of Kerala State IT Mission over telephone at 0471-2577088/188/388 or 0484-2336006, 2332262 or 0497-2764788, 2764188 or 0483-273294 or through e-mail: etendershelp@kerala.gov.in or helptender@gmail.com for assistance in this regard.

B) Online Tender Process:

The tender process shall consist of the following stages:

- i) **Downloading of tender document:** Tender document will be available for free download on www.etenders.kerala.gov.in from the date & time of publication of e-tender, till the last date & time for online submission of e-tender. However, tender document fees shall be payable at the time of bid submission as stipulated in this tender document. Downloading of tender documents will not be possible after the date specified above.
- ii) **Pre-bid meeting:** Refer page 3 of the tender document
- iii) **Publishing of Corrigendum:** All corrigenda shall be published on www.etenders.kerala.gov.in and shall not be available elsewhere.
- iv) **Bid submission:** Bidders have to submit their bids along with supporting documents to support their eligibility, as required in this tender document to www.etenders.kerala.gov.in. No manual submission of bid is allowed and manual bids shall not be accepted under any circumstances.

- v) **Opening of Technical bid and bidder short-listing:** Technical bids will be opened, evaluated and shortlisted as per the eligibility and technical qualification. All documents in support of technical qualification shall be submitted online as well as offline within the due date and time. Failure to submit the documents will attract disqualification. Bids shortlisted by this process will be taken up for opening the financial bid.
- vi) **Opening of financial bids:** Bids of the qualified bidders shall only be considered for opening and evaluation of the financial bid on the date and time mentioned in the critical date section.

C) Documents comprising bid:

i) First Stage (Pre qualification or Technical cover based on 1 cover or 2 cover tender system):

Pre-Qualification or Technical proposal shall contain the scanned copies of the following documents which every bidder has to upload.

- A. Copies of original documents defining the constitution or legal status, place of registration and principal place of business of the company or firm or partnership or if a joint venture, of each party there to constituting the bidder.
- B. Copies of Sales tax & service tax registration certificate.
- C. Details of experience and past performance of the bidder (or of each party to a joint venture) on works of similar nature, and details of current work in hand and other contractual commitments shall be submitted. Customer's full address, contact persons, contact telephone number and e-mail ID are to be furnished.
- D. The bidder should be in same business as Supplier / manufacturer for which the bid is invited for a minimum period of five years at the time of bid opening.
- E. The bidder's annual financial turnover during any one of the last two years shall not be less than twice the estimated cost as specified in the Invitation to Bid.
- F. The bidder shall have completed at least 10 number of similar works for which this invitation to bid is issued during the last five years.
- G. The bidder shall furnish a copy of the Income tax Returns for the previous year in original or certified true copies.

The department doesn't take any responsibility for any technical snag or failure that has taken place during document upload.

ii) The Second Stage (Financial Cover or as per tender cover system):

The Bidder shall complete the Price bid as per format given for download along with this tender.

Note: - The blank price bid should be downloaded and saved on bidder's computer without changing file-name otherwise price bid will not get uploaded. The bidder should fill in the details in the same file and upload the same back to the website.

Fixed price: Prices quoted by the Bidder shall be fixed during the bidder's performance of the contract and not subject to variation on any account. A bid submitted with an adjustable/variable price quotation will be treated as non-responsive and rejected.

D) Tender Document Fees and Earnest Money Deposit (EMD)

The Bidder shall pay a tender document fee and Earnest Money Deposit or Bid Security as given in the Tender Inviting Notice. The Bid security is required to protect the purchaser against risk of Bidder's conduct, which would warrant the forfeiture of security.

Online Payment modes: The tender document fees and EMD can be paid in the following manner through e-Payment facility provided by the e-Procurement system:

State Bank of India Multi Option Payment System (SBI MOPS Gateway): Bidder are required to avail Internet banking facility in any of the below banks for making tender remittances in e-Procurement system.

A) Internet Banking Options (Retail)			
1	Allahabad Bank	29	Janata Sahakari Bank
2	Axis Bank	30	Karnataka Bank
3	Andhra Bank	31	Karur Vysya Bank
4	Bandan Bank	32	Kodak Mahindra Bank
5	Bank of Bahrain and Kuwait	33	Lakshmi Vilas Bank
6	Bank of Baroda	34	Mehasana urban Co-op Bank
7	Bank of India	35	NKGSB Co-operative Bank
8	Bank of Maharashtra	36	Oriental Bank of Commerce
9	Bassein Catholic Co-operative Bank	37	Punjab and Maharashtra Co-operative Bank
10	BNP Paribas	38	Punjab National Bank
11	Canara Bank	39	Punjab and Sind Bank
12	Catholic Syrian Bank	40	RBL Bank
13	Central Bank of India	41	Saraswat Cooperative Bank
14	City Union Bank	42	Shamrao Vithal Cooperative Bank

15	Corporation Bank	43	South Indian Bank
16	Cosmos Bank	44	Standard Chartered Bank
17	DCB Bank	45	State Bank of India
18	Dena Bank	46	Syndicate Bank
19	Deutsche Bank	47	Tamilnadu Mercantile Bank
20	Dhanalaxmi Bank	48	Tamilnadu Cooperative Bank
21	Federal Bank	49	The Kalyan Janatha Sahakari Bank
22	HDFC Bank	50	TJSB Bank(Erstwhile Thane Janata Sahakari Bank)
23	ICICI Bank	51	UCO Bank
24	IDBI Bank	52	Union Bank of India
25	Indian Bank	53	Vijaya Bank
26	Indian Overseas Bank	54	YES Bank
27	Indus Ind Bank	55	United Bank of India
28	Jammu & Kashmir Bank		
B) Internet Banking Options (Corporate)			
1	Bank of Baroda	19	Karur Vysya Bank
2	Bank of India	20	Kodak Bank
3	Bank of Maharashtra	21	Lakshmi Vilas Bank
4	BNP Paribas	22	Oriental Bank of Commerce
5	Canara Bank	23	Punjab and Maharastra Coop Bank
6	Catholic Syrian Bank	24	Punjab and Sind Bank
7	City Union Bank	25	Punjab National Bank
8	Corporation Bank	26	RBL Bank
9	Cosmos Bank	27	Shamrao Vithal Cooperative Bank
10	Deutsche Bank	28	South Indian Bank

11	Development Credit Bank	29	State Bank of India
12	Dhanalaxmi Bank	30	Syndicate Bank
13	Federal Bank	31	UCO Bank
14	HDFC Bank	32	Union Bank of India
15	ICICI Bank	33	UPPCL
16	Indian Overseas Bank	34	Vijaya Bank
17	Janata Sahakari Bank	35	Axis Bank
18	Jammu & Kashmir Bank		

During the online bid submission process, bidder shall select SBI MOPS option and submit the page, to view the **terms and condition** page. On furtherer submitting the same, the e-Procurement system will redirect the bidder to MOPS Gateway, where two options, mainly **SBI and other banks*** will be shown. Here, bidder may proceed as per below.

(a). SBI Account holders shall click **SBI** option to with its Net banking facility, where bidder can enter their internet banking credentials and transfer the tender fee and EMD amount.

(b). Other bank account holders may click **other banks** option t view the bank selection page. Here bidder can select from any of the 54 banks to proceed with its net banking facility, for remitting the tender payments.

*Transaction charges for other banks vide SBI Letter No. LHO/TVM/AC/2016-17/47- 1% of transaction value subject a minimum of Rs.50/- and maximum of Rs.150/-

Any transaction charges levied while using any of the above modes of online payment has to be borne by the bidder. The supplier/contractor's bid will be evaluated only if payment status against bidder is showing "Success" during bid opening.

E) SUBMISSION PROCESS:

For submission of bids, all interested bidders have to register online as explained above in this document. After registration, bidders shall submit their Technical bid

and financial bid online on www.etenders.kerala.gov.in along with online payment of tender document fees and EMD.

For page-by-page instructions on bid submission process, please visit www.etenders.kerala.gov.in and click “Bidders Manual Kit” link on the home page.

It is necessary to click on “Freeze bid” link/icon to complete the process of bid submission otherwise the bid will not get submitted online and the same shall not be available for viewing/opening during bid opening process.

SPECIAL TERMS & CONITION

Tender for Supply, testing and commissioning of 10KLPH Fully Automatic Milk Pasteurizer at Pathanamthitta Dairy

Thiruvananthapuram Regional Co- op Milk Producers Union Ltd invites competitive rates for the Supply, testing and commissioning of 10KLPH Fully Automatic Milk Pasteurizer at Pathanamthitta Dairy, subject to the following terms and conditions.

1. Eligibility and qualification requirements:

1.1 To be eligible for the award of contract, bidder shall provide satisfactory evidence to the Thiruvananthapuram Regional Co-op Milk producers Union Ltd regarding their eligibility, capacity and adequacy of resources to carry out the contract effectively. To this end all bids submitted shall include the following information.

- H. Copies of original documents defining the constitution or legal status, place of registration and principal place of business of the company or firm or partnership or if a joint venture, of each party there to constituting the bidder.
- I. Copies of Sales tax & service tax registration certificate.
- J. Details of experience and past performance of the bidder on works of similar nature, and details of current work in hand and other contractual commitments shall be submitted. Customer’s full address, contact persons, contact telephone number and e-mail ID are to be furnished.

1.2 For the purpose of this particular contract, bidder should meet the following qualifying criteria as minimum:

1. The bidder should be in business as Manufacturer / Supplier of Milk Pasteurizer for a minimum period of ten years at the time of bid opening.
2. Annual financial turnover during the last two years shall not be less than twice the probable value of the contract as specified in the Invitation to Bid.
3. The bidder shall have completed at least ten installations for which this invitation to bid is issued during the last five years.
4. The bidder shall furnish documentary evidence for the above including copy of Income tax Returns (certified true copies) for the previous two years failure of which will lead to disqualification.

2. Tender Fee & Earnest Money Deposit

- a) The Tender fee and EMD as given in the invitation to bid shall be accepted through online NEFT transaction through the site www.etenders.kerala.gov.in.
- b) The EMD of the successful bidder shall be released after the signing of the agreement and submission of performance security.
- c) EMD of the unsuccessful tenderer shall be released after the award of the contract and execution of agreement by the successful tenderer.
- d) No interest shall be paid for the EMD for the period for which it lies in deposit.

3. Agreement: - The successful bidder has to execute a contract agreement on a Kerala stamp paper worth Rs.200/- within 15 days of receipt of order.

4. Delivery Address: -

Pathanamthitta Dairy, Nariyapuram PO, Pathanamthitta Dist.

5. Terms of payment

- 30 % of the order value shall be released as advance against submission of Bank Guarantee issued from any Nationalized Bank for an equal amount valid till completion of supply not less than six months.
- 50% of the order value shall be released on supply of the Equipment at the dairy.
- 10 % of the order value shall be released on completion of installation and commissioning of the equipment at the dairy.

- 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 commissioning.

6. **The Tender should be submitted as follows**

Online Cover I

1. Details of Tender fee and EMD details.
2. Documents to prove the qualifying criteria as mentioned in clause 1 above.
 - Scanned copy of Sales Tax & Service Tax registration certificates.
 - Scanned copy Income Tax returns filed for last two years.
 - Copy of audited P&L statement and Balance Sheet for the past two years.
 - Details of previous executed orders along with address of clients, contact person, contact no, e-mail ID etc.
 - Details of contracts on hand and other contractual commitments.

Online Cover – II

Price bid in the prescribed form available as BOQ in the website www.etenders.kerala.gov.in

3. **Note to Bidders:**

- i) Bidders are advised to note the Tender Id and Tender No. & Date for reference.
- ii) All uploaded documents should contain the signature and the office seal of the bidder/authorized persons.
- iii) The Managing Director, TRCMPU Ltd., is empowered to reject any or all the bids without assigning any reason.
- iv) The TRCMPU does not blind itself to accept the lowest offer and reserve the right to accept any offer without assigning any reason. The bidders shall not have any claim in this regard.
- v) **Hard copies of the documents mentioned under cover 1 and copy of this tender document duly signed on all pages to be submitted within a day or two from the date of opening. Non submission of hard copies by the bidder shall lead to rejection of their offer.**

Sd /-
Managing Director

Technical Specification

MILK PASTEURISATION PLANT 10 KLPH
(Fully Automatic)

1.0. **FUNCTIONAL REQUIREMENTS**

This would be used for pasteurization of milk and subsequently chilling it.

2.0. **DESIGN REQUIREMENTS:**

2.1. **Capacity** 10000 LPH

2.2 **Milk consistency:** 7% fat and 9.5% SNF.

2.3 **Design parameters**

Raw milk feed temperature : 6 / 30 DEG.CENT.

Milk take-off temperature to
Centrifuge 45 / 50 DEG.CENT.

Milk take-off temperature to
Homogenizer 60 / 65 DEG.CENT.

Milk Pasteurisation temp. 80 DEG.CENT.

Holding time for pasteurization 20 secs.

Finished milk discharge temp. Less than 4 DEG.CENT.

Heat regeneration 90 %

Maximum permissible pressure
drop on milk side. 1.5 Kg/cm. SQ.

Chilled water flow rate upto the 2 times the rated capacity

Chilled water feed temperature 2 DEG.CENT.

2.4 **Finish:** It shall be SS Skid mounting type. All welding joints are to be ground smooth. All stainless steel surfaces are to be polished to 150 grits.

3.0. SCOPE OF SUPPLY

3.1. Heat Exchanger

3.1.1 Plate Pack - Preferred make: Tetrapak India Ltd

Plates: The plates should be made from stainless steel conforming to AISI 316, 0.6 mm thick and should be of sanitary design. All the milk contact and exterior surfaces should be easily accessible or readily removable for cleaning and inspection.

Gaskets; The sealing gasket must ensure complete sealing and prevent any cross – leakage between product and service liquids. Gaskets shall be of sanitary type. These should be continuously bonded to the heat transfer surface. The gaskets shall be of SNAP on type.

The gasket material should be of food grade rubber and should withstand a water sterilization temperature of 100 DEG, CENT. and 2% caustic solution at 80 DEG.CENT. Gasket material must be non-toxic, fat resistant, non absorbent and should have smooth surface. 1lot.

3.1.2 Holding Section: It should be designed for continuous holding of the product for at least the minimum specified holding time at the pasteurization temperature. The holding section shall be SS 304 and tubular type with required bends and support.

3.1.3 Supporting Frame

The supporting frame for the plate pack should be skid mounted design made of stainless steel (AISI 304) claded mild steel with a manually operated stainless steel (AISI 304) tightening device. The tightening should be able to exert uniform pressure on all the parts of heat transfer plates. The frame and tightening device should prevent the plates from deflecting under pressure differential of minimum 4 Kg/cm SQ. SS cladding on the frame shall be welded firmly so that MS parts should not come in contact with SS plate at a later date.

3.1.4 Accessories

Inlets/Outlet: The inlets and outlets in each section of the heat exchanger for products as well as services should be provided with complete stainless steel (AISI 304) unions.

Thermo well: Stainless steel (AISI 304) pockets for thermometer on all the inlets and out Lets of products and services. Each pocket should be complete with a stainless steel (AISI 304) guard of at Least 20 mm Length for mounting glass thermometers (Thermometers are not within the scope of supply)

Ball Feet; The frame should be provided with adjustable stainless steel ball feet with provision for height adjustment of 50 mm. 4 no.

Safety Device; A safety device should be provided in the hot water side of heating section to avoid damage to the heat exchanger caused by excessive pressure. It should be of sanitary design.

Pressure Gauges: Pressure gauges shall be provided on inlet & outlet of milk & services.

- 3.2 Milk Pump: The pasteurizer stainless steel fed pump should be of sanitary design as per dairy standard. Its capacity should be matching with the initial capacity of pasteurizer and it should give the rated capacity even if the separator and homogenizer are not connected in the pasteurization circuit. The TEFC drive motor should be fitted with stainless steel shroud with Louvers for air cooling and suitable arrangement for cable connection. Booster pumps as required to be provided to maintain milk flow throughout different sections of PHE.
- 3.3 Float Balance Tank: The 150 Litres capacity float balance tank should be fabricated from 2 mm thick stainless steel sheet conforming to AISI 304. The tank should be sanitary type design with electromagnetic float switches, milk inlet, outlet, return milk inlet, inlet for water, overflow, and loose top cover with lifting handle and adjustable stainless steel ball feet with vertical adjustment of 50 mm.
- 3.4 Flow Controller: Stainless steel flow control device is required to automatically maintain the required flow rate under varying pressure conditions. The flow controller should be of a sanitary design and should maintain the desired flow rate automatically during the continuous run against the increased resistance due to milk scale formation.
- 3.5 Flow Meter: Electromagnetic Flow meter of Enderson and Hauser or equivalent to measure the flow.
- 3.6 Duplex Filter: Duplex surface filter having suitable pore size is required to continuously filter the product. This unit should be equipped with air vents and drains with valves. This should also have change over valves so that each filter can be isolated for mid-production cleaning. The design of the duplex

filter should be such as to facilitate quick dismantling of the filtering element. The unit should be self supported.

- 3.7 Heating Device; Final stage of heating should be done with steam water. The hot water generation system should be a all stainless steel construction (AISI 304), efficient, silent and rugged unit with all the necessary accessories including hot water pump required to make the system complete. The system shall be shell & tube type. The inside tubes for water shall be SS 316 corrugated seamless tube and outer shell for steam shall be fabricated out of SS 304. Steam inlet and condensate outlet connections shall be with SMS union. The hot water pump should be stainless steel shrouded with louvers for air cooling and suitable arrangement for cable connection. It shall includes Steam modulating valve, float steam trap, pressure gauges, hydro pneumatic expansion tank to take care of expansion of hot water in closed circuit, pipe & fitting etc.
- 3.8 Flow Diversion valves; Flow diversion valves shall be of sanitary design made of SS 304 for diversion of milk to FBT when the required temperature is not attained.
- 3.9 Back Pressure Modulating Valve: Back pressure modulating valve of standard make shall be provided to ensure the positive pressure in the product side than the media side.
- 3.10 Pneumatic Butterfly Valves: Sanitary type pneumatic valves for automation of entire pasteurization module viz milk flow to Balance tank, by passing of Separator, Homogenizer, pasteurization temp, final outlet temp: etc
- 3.11 SS control panel: Automatic controls should be provided to ensure that the pasteurization temperature of milk is maintained. If the required temperature is not reached at final outlet temp: as well as pasteurization temp: the flow of product should be automatically diverted to the float balance tank with an audible electric horn. Temperature accuracy should be plus / minus 0.5 DEG.CENT. The display of temperature hot and chilled milk shall be provided.

The controls, pressure transmitters, electric push buttons, PLC controller, touch screen shall be provided on a self supporting dust, weather and vermin proof enclosure made up of stainless steel conforming to AISI 304.

The PLC provided shall have suitable memory module for the program recovery. The touch screen facility should allow auto manual operation of the plant through the same.

The panel shall be provided with option for running cream separators and Homogenizer online and bypassing the same through the touch screen panel, when it is not required

All utilities required for the plant should be controlled through the PLC as per the process requirement and the sequence of operation.

The plant shall be provided with pressure transmitters to monitor, control and maintain the positive pressure at the downward flow of the product and service side including during diversion.

The panel shall have provision to connect the Ethernet facility for remote control access for the maintenance.

Set of pneumatic controls and accessories followed by suitable air filter cum pressure regulating valve shall be provided by supplier on one side of the control panel to bring down the air pressure from 6 Kg/ sq. cm. to the required one and to filter it.

The control panel should be pre-wired.

- 3.12 Chartless Temperature recorder: This recorder shall constitute a system for electronic acquisition, storage, achieving and analysis of data. The acquired process data will be saved into the internal backup memory (32 to 128 Mbytes) and will be transferred via compact flash memory card, which will be plugged in at the front. An optional Ethernet interface will provide integration into PC networks in order to allow data to be accessed via networked PC stations.
- 1.13 Pipes and Fittings: All inter connecting pipes with necessary fittings for product as well as service should be supplied. The sizes of all pipes and fittings should be decided as per the capacity.
- 3.13.1 Product: The supply should include all the necessary stainless steel pipes and fittings from float balance tank to the finished pasteurized milk out let. This essentially includes the stainless steel pipes and fittings required for supply and return connections to and from the separator via duplex filter and homogenizer. All product and service valves shall be of pneumatically operated as per the automation requirement.
- 3.13.2 Steam/Hot Water: The supply should also include the necessary SS pipes and fittings for pumping hot water to the heating section of the pasteurizer and return to the hot water set. (Steam and hot water valves are within the scope of supply).
- 1.14 Ball Feet for Floor Mounted Equipments: All the floor mounted equipments should have ball feet with provision for height adjustment of 50 mm.
- 1.15 Tools: Essential special tools should be supplied with the plant without charging any extra cost. 10 % additional plate gaskets, additional dummy plates to be supplied without any extra cost.

- 3.16 Manuals: Three sets of operation & maintenance manual, plattage drawings etc: to be furnished with the supply

Name Plate: A name plate showing the following shall be provided on the equipment to be supplied for Pathanamthitta Dairy.

<p style="text-align: center;">Under RKVY Scheme Govt of India</p>
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GENERAL TERMS & CONDITIONS

1. Inspection:

The equipment under the purview of your supply should be inspected by your own technical experts at your works, and such Inspection Report should be forwarded to us in triplicate. However the TRCMPU reserves its right to inspect at any stage of fabrication / manufacture of the equipment / material. You should intimate TRCMPU without fail when the equipment is ready for inspection, including the stage wise inspection. You should not proceed with further manufacture and / or dispatch of equipment, without obtaining a clearance certificate after inspection or our written permission. You should forward to us the Test Certificates wherever applicable, obtained from concerned authorities / principal manufacturers either regarding quality of any other details of the items utilized in the process of manufacture / fabrication.

2. Dispatch Instructions:

The materials are to be dispatched to the project site by the mode of transport specified in the order under intimation to us. Depending on the type of material, you shall have to carry out proper packing / crating to avoid breakages in transit. Other details of dispatch such as marking consignee's particulars etc. are mentioned in the Purchase Order. For using any mode of transport other than the specified one, prior concurrence from us in writing should be obtained. All consignments should be dispatched on freight paid basis irrespective of price basis. In the event of freight payable extra by us, you shall have to obtain our prior approval and produce necessary documentary evidence in support of your claims. Unless otherwise stated, the original RR/LR should be sent by Registered Post directly to the consignee along with a copy of invoice and 2 copies of Delivery Challan / Packing List.

3. Insurance

You shall have to arrange all transit risk insurance, warehouse to warehouse basis including storage risk coverage for a period of 6 months from the date of arrival of goods at destination for the items to be supplied by you. In cases where orders are placed on ex-works basis, the premium shall be paid by us at actual to you against production of documentary evidence. In the event of any damage to / loss of consignment in transit, it will be your responsibility to lodge necessary claims with the carriers / underwriters and pursue them till settlement. Since the insurance policy will be obtained in our name, we shall, if required, give you necessary authorization letter authorizing you to lodge and pursue claims on our behalf with the carriers / underwriters. You shall also have to make good the losses / damages occurring in transit by making replacement / payment to us in the first instance; if claims are settled by the underwriters and any amounts are realized by us, the amounts thus realized in settlement of claims shall be reimbursed to you. In other words, the prima facie responsibility for getting compensation for the damages / losses incurred, due to all transit hazards, if any, rests with you.

In cases where the purchase order is placed on “free delivery at site” basis, no insurance premium will be paid by us. However in such cases also, all transit risk insurance policy must be obtained to safeguard your own interest and to protect the material against transit hazards.

4. Delivery

The stipulated delivery time given in the Purchase Order is the essence of this contract. You must therefore, strictly adhere to the delivery schedule mentioned in the Order.

5. Demurrage

You shall bear and reimburse to us full demurrage if any, paid by reason of delay on your part in forwarding the original dispatch documents at the destination mentioned in the Purchase Order.

6. Rejection:

We reserve the right to reject the goods either in part or full if at the time of delivery, if it is noticed that the goods supplied do not conform to the specifications / description given in the Purchase Order. The rejection, if any, will be intimated to you in writing within a reasonable time. You will be liable to repair / replace the rejected goods within the stipulated time. Till the repair / replacement is made, the rejected goods shall be lying at your risk, cost and responsibility. If you do not arrange to repair / replace the rejected goods within the period stipulated by us, we may dispose of such goods at your risk and in the manner which we think fit. We shall be entitled to retain the proceeds of disposal either in part or full towards the expenses incurred on storage, handling and disposal of the rejected goods. We shall also be entitled to recover the expenses made by us on storage and handling of such rejected goods till the goods are removed from our premises/stores.

7. Liquidated Damages and Recovery of Advance:

The accepted delivery schedule of supply and/or installation shall be governed by the Liquidated Damages and Recovery of Advance clause. Each unit of an item shall be delivered to destination and ready for operation not later than the delivery date specified

in the purchase order. If you fail to deliver any of the goods or perform the services within the time period(s) specified in the purchase order, TRCMPU shall without prejudice to its other remedies under this purchase order, deduct from the order price as liquidated damages, a sum equivalent to 0.5% of the full Purchase order value for each week of delay. The total amount so deducted shall not exceed 5% of the purchase order value. Once the maximum is reached the TRCMPU may consider cancellation / termination of purchase order.

In case you fail to supply the equipment within the stipulated delivery period plus 20% of the same as grace period, subject to a minimum of 15 days, the purchase order shall stand cancelled and the supplier shall refund the advance, if paid, along with interest at the rate of 18% per annum compounded quarterly on the last day of March, June, September and December, on the advance paid, for the entire period for which the advance was retained by the supplier. This will be without prejudice to other remedies like risk purchase etc. Any incremental taxes, duties and levies on account of the delay in the execution of the purchase order by you will be to your account.

8. Guarantee

The supply of equipment as well as installation, if entrusted, shall have to be carried out by you 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 brought to your attention 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 your works for repair / replacement, without forming any precedence, the cost of 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.

In case of installation jobs you shall have to guarantee the complete installation for satisfactory performance for a minimum period of 12 months from the date of commissioning of the plant / equipment. Any defect arising out of faulty erection / installation or use of substandard material or workmanship shall have to be rectified by you at your cost.

9. Warranty

You must provide a warranty for a minimum period of 12 months from the date of commissioning of the equipment for satisfactory performance of the supplied equipment according to the designed / rated / installed capacity or any other norms fixed by TRCMPU.

10. Specifications & Manuals:

Operation and maintenance manuals and service instructions along with the drawings showing details of part list against each item of your supply be sent to us in triplicate. **You should also furnish us service requirements like water, electricity, lubricant, air etc., for each equipment wherever applicable.**

You shall provide a list of spare parts, which will be required for the equipments supplied by you for at least one year 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.

11. Submission of Bills :

Bills in triplicate under Registered Post, stating therein our Purchase Order reference along with necessary copies of Dispatch documents are to be sent to the respective Office. Unless otherwise stated the payment shall be made to you by Crossed Account Payee cheque by post according to the terms of payment mentioned in the Purchase Order.

12. Cancellation of Contract

We shall be free to cancel our order either in part or full, in the case of non-delivery of material / non-completion of installation within the stipulated delivery period or breach of any of the clauses mentioned herein. Consequential losses if any, on account of our getting installation done or obtaining supplies from alternative sources besides payment of higher price shall be recovered from you.

13. Sub- Contract

In the event of awarding sub contract to any party / parties by you for the manufacture / supply /erection of any parts / spares / components that will be used in the ordered equipment, you must furnish us details about your sub signature of bidders, their experience, specialization etc. The sub-contract can be awarded by you only after obtaining written approval from us. In the event of sub-contract also the prima facie responsibility rests on you regarding quality, quantity, guarantee / warranty of the materials supplied by the sub-signature of bidders.

14. Force Majeure

The terms and conditions mutually agreed upon shall be subject to Force Majeure Clause. Neither the supplier nor the purchaser shall be considered in default in performance of his / their obligations here under 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 of 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.

15. Power

Power will be supplied free of cost at one point. The bidder shall make his own arrangements to provide necessary cables isolators etc to tap the power to the point of requirement during erection work, as per standards.

16. 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.

17. Employees state insurance

The contractor shall arrange for insurance etc. of his people employed for erection and installation work as per ESIC act workman compensation and any other provision to meet statutory requirement of various labour Act / Rules. In case of accident to any of the workers during the period of installation, TRCMPU shall not bear any liability what so ever, the entire responsibility primary and final in this respect will be that of contractor.

18. Jurisdiction

THIRUVANANTHAPURAM (KERALA) Only

FORM OF AGREEMENT

(On Non-Judicial Stamp Paper of Rs.200/-)

THIS AGREEMENT made on the ___day of _____, 20__ between the Thiruvananthapuram Regional Co-operative Milk Producers' TRCMPU Ltd., Thiruvananthapuram - 695 004 (hereinafter referred to as "the TRCMPU ") of the one part and of _____ (hereinafter referred to as "the Contractor") of the other part:

WHEREAS the TRCMPU is desirous that certain goods and ancillary Services should be provided by the Contractor, viz. _____ and has accepted a bid submitted by the Contractor in response to the TRCMPU 's Bidding Document Reference No. _____ for the supply of those goods and services in the sum of Rs. _____ (Rupees _____ only) hereinafter referred to as "the Contract Price")

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

- In this agreement words and expressions shall have the same meaning as in the Terms & Conditions in the above-referred Tender Document.
- The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:

- (a) The offer and the price schedule(BOQ) submitted by the Contractor:
- (b) The schedule of requirement and the technical specifications in Bidding Document.
- (c) The terms and conditions in Bidding Document :
- (d) The TRCMPU 's Order No. _____ dated _____.

- In consideration of the payments to be made by the TRCMPU to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the TRCMPU to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the TRCMPU's Order and Bidding Document.
- The TRCMPU hereby covenants to pay the Contractor in consideration of the provision of the Goods and Services and the remedying of defects therein, the contract price or such other sum as may become payable under the provisions of the Order at the times and in the manner prescribed in the order and Bidding Document.

IN WITNESS whereof the parties hereto have caused this agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed and delivered
for and on behalf of the within
named contractor of the other part

Signed, sealed and delivered
for and on behalf of the within
named TRCMPU

CONTRACTOR.

MANAGING DIRECTOR.

TRCMPU Ltd.,

In the presence of witness

In the presence of witness

1. Signature
Name and address

1. Signature
Name and address

2. Signature

2. Signature

Name and address

Name and address
