



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

**Bid Ref. No.TRU/PPM/52/2025-26  
Tender ID: 2025\_KCMMF\_821827\_1**

**TENDER FOR**

**Supply, installation, testing and commissioning  
FTIR machine at TRCMPU under NPDD scheme**

**2025**

## **BID FORM**

1. Registered Name of Bidder :

2. Address :

3.Contact details

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 – trcmpuprod@gmail.com](mailto:trcmpuprod@gmail.com)**

**NOTICE INVITING TENDER**

The Managing Director, Thiruvananthapuram Regional Co-operative Milk Producers Union Ltd (TRCMPU Ltd) invites online bids from Manufacturers/Authorized dealers for the Supply, installation, testing and commissioning of FTIR machine at TRCMPU under NPDD KL\_16K scheme

1.	Tender No. & Date	TRU/PPM/52/2025-26 Dated 15.12.2025
2.	Item of Work	Supply, installation, testing and commissioning of FTIR machine at TRCMPU
3.	Quantity Required	1
4.	Specification	Annexure I
5.	Estimated Amount	Rs. 90 Lakhs (Approx.)
6.	Bid Submission Fee	Rs.1000/- (Rupees One Thousand Only)
7.	Earnest Money Deposit	Rs.100000/- (Rupees One Lakh Only)
8.	Date and Time of Publication of e- tender.	13.12.2025, 10:00 AM
9.	Date of Submission of e-tender	13.12.2025, 10:00 AM to 23.12.2025, 12:30 PM
10.	Date and time of opening of e-tender	24.12.2025, 3.00 PM
11.	Place of Opening	TRCMPU Ltd., Ksheera Bhavan, Pattom Thiruvananthapuram-695004.
12.	Bid Validity	90 Days
13.	Warranty	Min 12 months warranty
14.	Delivery time	Within 90 days from the date of Confirmed order.

### **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](http://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](http://www.cca.gov.in). Once, the DSC is obtained, bidders have to register on [www.etenders.kerala.gov.in](http://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](mailto:etendershelp@kerala.gov.in) or [helptender@gmail.com](mailto: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](http://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](http://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](http://www.etenders.kerala.gov.in). No manual submission of bid is allowed and manual bids shall not be accepted under any circumstances.
- iv) **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.
- v) **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 GST 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. If an authorized dealer participates in the bid they should

produce documentary evidence for establishing that their principal supplier should be in the same business for a minimum period of 5 years. Copy of authorized dealership certificate issued by the principal supplier or manufacturer should also be uploaded along with bid document.

- 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 150 numbers of similar individual installations 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.

<b>A) Internet Banking Options (Retail)</b>			
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 Maharastra 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>B) Internet Banking Options (Corporate)</b>			
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](http://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](http://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 & CONDITIONS**

### **Tender for Supply, installation, testing and Commissioning of FTIR machine at TRCMPU**

Thiruvananthapuram Regional Co-op Milk Producers Union Ltd invites competitive rates for the supply, installation, testing and commissioning of FTIR machine at TRCMPU, 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.

- 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 GST registration certificate.
- C. 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.
- D. Copy of bank details.

#### **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](http://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. Delivery Address: -**

Central Products Dairy, Punnpara, Alappuzha-688004

#### **4. Terms of payment : Payment shall be made from TRCMPU as follows**

- 60 % 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).
- 10% of the order value shall be released on supply of the hardware modules.
- 20 % of the order value shall be released on completion of installation, testing and commissioning of the system.

- 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.

**5. 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 GST registration certificates.
  - Scanned copy GST returns filed for last 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.
3. Full technical specifications of the machine.

**Online Cover – II**

Price bid in the prescribed form available as BOQ in the website [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in)

**B. 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 in time by the bidder shall lead to rejection of their offer.
- vi. **The bidder should have an experience in supply of BMC monitoring system**
- vii. **Trial operation period**  
A period of 45 days from the date of successful commissioning of the equipment is termed as trial operation period. During the period the equipment shall operate without any faults, conforming to the technical requirements of the tender for a minimum period of 45 successive days. In case of any fault occurrence within the 45 days, trial operation period is liable to be extended till the equipment achieves trouble free operation for 45 successive days after fault rectification.
- viii. **Liquidated Damages:**  
If the supplier fails to deliver any or all of the goods or perform the contract within the time period specified in the contract, TRCMPU shall without prejudice to its other



reminders under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to

- a. 0.5 % of the unexecuted contract value for each week of delay. The total amount so deducted shall not exceed 5% of the contract value, once the maximum is reached, we may consider the termination of the contract.
- b. However, genuine reasons if any will be given due consideration against documentary evidence before operating this clause.
- c. Any incidental taxes and levies on account of delay in performance of the contract by the supplier shall be at his account.

ix. **Testing / Test Certificates:**

The successful tenderer shall produce the Test Certificates, if any at the time of delivery for all the materials used for the manufacturing.

x. **Stickers:**

The following shall be embossed on the unit supplied: - **“TRCMPU LTD-FINANCIAL SUPPORT UNDER NPDD KL 16K Scheme, GOVT.OF INDIA”** in a visible manner

xi. **Installation & commissioning:**

The installation of the equipments shall be completed within 45 days from the date delivery. The supplier shall depute their experienced engineer for the installation and commissioning of the equipment.

xii. **Guarantee:**

The supplier shall guarantee the satisfactory performance of the equipment for a minimum period of 15 months from the date of receipt or 12 months from the date of commissioning whichever is earlier plus 3 year Annual Maintenance Contract. Any defect due to use of substandard material or workmanship shall have to be rectified by the supplier at his own cost.

xiii. **Training:**

Effective training shall be provided to the operators and technicians at the time of installation and trial runs, for smooth operation & maintenance of the equipments.

xiv. **Deviation Statement:**

Non-compliance with even a minor technical requirement, terms and conditions should be specifically stated by the bidders in the technical deviation statement to be uploaded along with the bid.

## **ANNEXURE-I**

### **Terms, Conditions, Scope of Work and Technical Specifications FTIR Based Milk Analyzer for liquid and semisolid dairy products as per the below technical specification.**

1. Application :
  - a) The equipment should be used for the analysis of milk and milk products, adulteration screening in and quality determination of raw, intermediate, and processed milk.
  - b) Products to be analyzed: Milk (Raw and processed), Cream, Whey, Yoghurt, fermented products, Ice Cream Mix etc.
2. Training: Basic training on operation/maintenance to be arranged by the bidder after installation of the equipment along with calibration development to be done for parallel/alternate milk products. The advance training on these should be conducted as per the request from end user, on mutually agreeable dates. The equipment should also be supplied with user manuals required for installation and training.
3. Warranty: Equipment shall be supplied with minimum a warranty of one year from the date of installation. Bidder should undertake on site minimum one preventive maintenance visit during the warranty period apart from the breakdown visits. The warranty would apply to all the accessories supplied by the bidder. Bidder shall provide service within 48 hrs after registering the complaint during the warranty and AMC period. Warranty extension: If equipment has been down for more than 30 days due to malfunctioning of any part supplied by the bidder or want of spares/consumables, the warranty would be extended.
4. Demonstration and Evaluation: The Dairy reserves the right to verify the performance of equipment at any stage of the purchase process. The bidder is requested to arrange all the prerequisites timely for successful demonstration and evaluation if demanded by the Dairy.
5. No offering of refurbished/assembled/demo modules: No part of the offered equipment shall be refurbished or used for demonstration purposes. Kindly submit the undertaking.
6. It is the responsibility of the vendor to supply a complete solution/unit for the analysis.
7. Past Performance: The bidder should have successfully executed/completed a minimum Five contracts of similar nature during the last five financial years

### **Technical Specifications: FTIR Based Milk Analyzer for liquid and semisolid dairy products .**

- The instrument should be intelligent for rapid platform control and segregation, fair payment, and screening for abnormalities. Product standardization for optimal use of raw material and consistent quality products & monitoring the quality of final products.
- The instrument should work on FTIR Technology for the analysis of milk, and other dairy products analysis.
- It may perform the compositional analysis of liquid and semi-solid dairy products such as milk, cream, whey, yoghurt & fermented, & Ice – cream Mix etc with exceptional consistency at a low cost of ownership.
- The instrument should be standardized for operational drift and stability on a daily basis. There must be provision to perform such standardization automatically without any user intervention and additional reagents or chemicals. This will ensure stable results over time and consistent performance over a longer period.
- The instrument should have a self-diagnostic system that continuously monitors the condition of all the vital components, and audit trail describing wear & tear history and service log for fast and easy troubleshooting & resolves issues.
- The instrument should have automatic humidity control based on internal electric dryer to protect the automatic drying system.
- The instrument should be supplied with branded PC, a Suitable UPS and printer for equipment operation for sufficient data storage, speed and ease of operation, sufficient. ports for transferring online data and support data transmission with integration software should be available.
- The instrument should be in compliance with the AOAC (Association of Analytical Chemists) and IDF (International Dairy Federation).
- Sample types: Compositional analysis of liquid and semi-solid dairy products such as milk, cream, whey, yoghurt, chocolate milk, creme fraiche, milk and whey concentrates and more.
- Applications: Platform control of raw material, milk standardisation, milk payment, screening for abnormalities, process control and optimisation and quality control throughout the dairy process.
- Technology: FTIR technology for milk analysis.

**Parameters (Ready to use prediction Module):**

Milk: Fat, Protein, Casein, Lactose, Low Lactose, Glucose, Galactose, Total Solids, Solids Non-Fat, Density, Citric Acid, Urea, Free Fatty Acids,

Cream: Fat, Protein, Lactose, Total Solids and Solids Non-Fat

Whey: Fat, Protein, Lactose, Total Solids, Solids Non-Fat

Yoghurt & Fermented: Fat, Protein, Total Solids, Solids Non-Fat,

Dessert & Ice Cream mix: Fat, Protein, Lactose, Total Solids, Solids Non-Fat,

Adulteration detection: The system should able to screen and detect adulterants.

The instrument should be able to screen at least the following adulteration in raw as well processed milk with specified LODs.

SI No	Name of Adulterants
1	Cyanuric Acid
2	Formaldehyde
3	Glucose
4	Hydroxyproline
5	Maltodextrin
6	Maltose
7	Melamine
8	Sodium Benzoate
9	Sodium Citrate
10	Sodium Hydroxide
11	Sodium Nitrite
12	Sorbitol
13	Sucrose
14	Added Urea
15	Added Water
16	Fructose
17	Detergent
18	Galactose
19	Starch
20	Hydrogen Peroxide

21	Boric Acid
22	Sodium Laurel Sulphate (SLS)
23	Calcium hydroxide
24	Potassium Hydroxide
25	Salicylic Acid
26	Ammonium chloride
27	Chloramine T

Accuracy (Milk): <1.0% CV or better

Repeatability (Milk): <0.25.0% CV or better

Carryover (Milk & Cream): <0.5% or better

Transferability (Milk): < 0.5% or better.

The sample volume for milk & cream should not be greater than 10 ml

Adjustment should be via automated slope or intercept procedure.

Automatic zero setting and clean Measurement time (Milk): 30 seconds

The instrument should be supplied with a compatible PC, printer, UPS, and integration software.

Sample Temperature: 5 - 55 °C

Ambient temperature: 10 - 35 °C

## **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 / under writers. 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

Sd/-  
Managing Director