

# **TENDER DOCUMENT**

## **FOR**

### **ROAD MILK TANKER (R.M.T.)**

**(Capacity – 2KL / 3KL / 5KL / 7KL / 9KL & 14KL)**

**EMD – 1% of Total Quoted Value**

**Cost of Tender Document : Rs.500.00 + VAT 5%**

**Sale of Tender Documents  
up to 07.03.2015 at 3.00 PM  
Submission of filled in  
Tender Documents up to  
07.03.2015 at 4.00 PM**

**Name of the Tenderer:**

\_\_\_\_\_

**Address:**\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**TELEPHONE NO.**\_\_\_\_\_

**FAX NO:**\_\_\_\_\_

**Opening of Tender  
at 3.00PM on 09.03.2015**



**THE CUTTACK CO-OPERATIVE MILK PRODUCERS UNION LTD.**

**Mahanadi Vilhar, PO- Nayabazar, Dist.- Cuttack – 753004, Odisha**

**Phone : 0671 – 2440040 / 2442047, Tele Fax : 0671-2442047**

**Visit us : [www.cdcmu.com](http://www.cdcmu.com) E-mail : cdcmpu@gmail.com**



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**TENDER NOTICE – 02/2015**

The Cuttack Co-operative Milk Producers Union Ltd., invites sealed techno-commercial bid from experienced Milk Barrel Manufacturers / Authorised Distributors / Authorised Agency only towards supply, installation, testing & commissioning of **2KL, 3KL, 5KL, 7KL, 9KL & 14 KL** S.S. Milk Barrel to be mounted on suitable chassis towards the purpose of Road Milk Tanker.

Tender documents can be purchased from The Cuttack Milk Union Office between **10 A.M. to 3 P.M.** on all working days from **21.02.2015 to 07.03.2015** on payment of **Rs 500.00 + 5 % VAT** per set by cash or D/D in favour of **“The Cuttack Cooperative Milk Producers’ Union Ltd.”**, payable at Cuttack drawn on any Nationalized Bank. The same may also be downloaded from website [www.omfed.com](http://www.omfed.com) or [www.cdcmu.com](http://www.cdcmu.com) and the cost of Tender document of Rs.500/- (non-refundable) + VAT @5% should be paid by attaching a Bank Draft prepared as mentioned above with it.

The sealed techno-commercial bid along with EMD (1% of quoted value) shall be received at the above office address **up to 07.03.2015 at 4.00 P.M.** The bid shall be opened on **09.03.2015 at 3.00 PM.** For details please visit our web site [www.omfed.com](http://www.omfed.com) or [www.cdcmu.com](http://www.cdcmu.com).

Bidders are requested to strictly adhere to specifications given in the tender forms. No tender will be received after scheduled date and time under any circumstances whatsoever.

General Manager, The Cuttack Cooperative Milk Producers Union Ltd. reserves the right to accept or reject any or all tender or part thereof without assigning any reason.

# THE CUTTACK CO-OPERATIVE MILK PRODUCERS' UNION LTD.

Mahanadi Vihar, Nayabazar, Cuttack – 753 004

Phone : 0671 – 2440040 / 2442047, E-mail : [cdcmpu@gmail.com](mailto:cdcmpu@gmail.com)

Visit us : [www.cdcmu.com](http://www.cdcmu.com) E-mail : [cdcmpu@gmail.com](mailto:cdcmpu@gmail.com)

The Cuttack Co-operative Milk Producers' Union Ltd. invites sealed tender from experienced Milk Barrel Manufacturers towards supply, installation, testing & commissioning of 2KL, 3KL, 5KL, 7KL, 9KL & 14KL S.S. Milk Barrel to be mounted on suitable chassis towards the purpose of Road Milk Tanker to The Cuttack Co-operative Milk Producers' Union Ltd., Mahanadi Vihar, Nayabazar.

## SALE OF TENDER FORMS

Specification with terms and conditions and Tender Form are obtainable from the office of the undersigned on payment of Rs.500.00 (Rupees five hundred only) + VAT @ 5%. The same may also be obtained by post on payment of Rs.600.00 (Rupees six hundred only) + VAT @5% in shape of Bank Draft issued in favour of "The Cuttack District Co-operative Milk Producers' Union Ltd." payable at Cuttack. The cost of tender paper is compulsory and the receipt so obtained against payment should be enclosed in original along with tender papers. The cost paid for tender paper is non refundable. The same may also be downloaded from website [www.omfed.com](http://www.omfed.com) or [www.cdcmu.com](http://www.cdcmu.com) and the cost of Tender document of Rs.500/- (non-refundable) + VAT @5% should be paid by attaching a Bank Draft prepared as mentioned above with it.

The tender document may be obtained from 10.00 AM to 3 PM on all working days except on the last date of receipt of tender paper as per the following time schedule. The General Manager, The Cuttack Co-operative Milk Producers Union Ltd. shall in no way be responsible for loss of tender documents dispatched by post/courier delivery and also for any delay in delivery to the addressee.

Date of commencement of sale of tender document -	21.02.2015
Last date & time for sale to tender documents	- 07.03.2015 at 3.00 PM
Last date & time for receipt of tender	- 07.03.2015 at 4.00 PM
(Technical bid and price bid in separate sealed covers)	At-The Cuttack Co-operative Milk Producers Union Ltd., Mahanadi Vihar, Nayabazar, Cuttack-4
Date & time of opening of tender	- 09.03.2015 at 3.00 PM
	At-The Cuttack Co-operative Milk Producers Union Ltd., Mahanadi Vihar, Nayabazar, Cuttack-4

*(The tender papers will be sold on working days only. The tender Paper will be opned on the scheduled dates in presence of tenderers / their authorized representatives)*

## **ELIGIBILITY**

### **A. For Participation in the tender**

1. The tenderer should be a MANUFACTURER or Authorised Distributor or Authorised Agency only.
2. The RMTs shall be supplied by the Company within the stipulated time as mentioned in the purchase order ensuring specification as per the tender, failing which the EMD / Security Deposit by the approved supplier will be forfeited and performance of the firm shall be considered unsatisfactory and the Tender of the firm will not be entertained in future.
3. The documents attached to the tender shall be verified by a Technical Committee constituted by the Cuttack Co-operative Milk Producers Union Ltd. along with the original documents which will report in details on the eligibility of the tenderer on the day of opening of Technical Bid.
4. The participant of the tender must have not been blacklisted by any Govt. office / Govt undertakings / organizations. In case it is detected later on that the participant firm is a blacklisted one, the tender submitted by such tenderer would be rejected forthwith the earnest money and or security deposit will be forfeited. In addition to this, legal action as deemed proper may be initiated against such tenderers.
5. The bidders should have a minimum financial sales turn over of Rs.1,00,00,000/- during the financial year of 2013-14.

### **B. FOR SUBMISSION OF TENDER**

There shall be two bids system to be submitted in separate sealed cover. One is technical bid and another is price bid.

#### **Technical Bid**

1. The tenderer must have 3 years experience in supplying of SS Barrel of reputed manufacturers of National and International level to Government / Semi Govt. Organisations, Milk Union, Milk Federation, PSUs, UNO Agencies etc. (The tenderer are required to submit the proof of supply)
2. The tenderer should mention clearly the details of the manufacturing address of the SS Barrel to satisfy the requirement of exact location of the manufacturer for further correspondences by the General Manager, The Cuttack Co-operative Milk Producers Union Ltd., wherever required.

3. The tenderer should submit the offer for both technical bid & price bid in sealed cover each separately.
4. All the supporting documents as required in the terms and conditions of this tender shall be enclosed with the technical bid by the Tenderer.
5. The EMD 1% of Quoted value in shape of Bank Demand Draft (D.D.) is to be payable in favour of "The Cuttack Co-operative Milk Producers Union Ltd.," Cuttack, payable at Cuttack along with technical bid.

### **Price Bid**

The tenderer should quote the price of SS Barrel in separate sealed cover in the prescribed format.

If the tenderer does not qualify himself in the technical bid, the price bid offered will not be entertained. In case of unsuccessful bidders for the technical bid, price bid will be returned as received in the sealed cover without being opened. The tenderer should submit the price bid in Annexure – A

### **Deposit of Earnest Money**

- I. The tenderers shall deposit earnest money as specified above for the tender in shape of Bank Demand Draft. However the earnest money deposited by the tenderers belonging to outside the state of Odisha shall be in favour of "The Cuttack Co-operative Milk Producers Union Ltd.," payable at Cuttack
- II. The tenderer shall not be entitled to any interest on the earnest money.
- III. The earnest money deposited by unsuccessful tenderers will be refunded without bank interest as early as possible after the tenders are finalized.
- IV. Earnest money deposited by the successful tenders shall be retained & will be returned after expiry of the approved list or completion of supply.
- V. The EMD will be forfeited if the tenderer withdraws the tender or does not accept the approved list or does not supply the items within the stipulated time as per the terms & conditions of tender or the product supplied is proved to be of substandard quality.

### **Right of Acceptance / Rejection of Tender**

The following documents shall be submitted by the Tenders as mandatory along with Tender Paper.

1. EMD (Earnest Money Deposit) except SSI Units / MSMEs of Odisha State.
2. Original Money Receipt in respect of purchase of tender documents.
3. Attested Photocopy of the up-to-date manufacturing license of the manufacturer. In case of quoted items from overseas manufacturer / MNC an undertaking for submission of the manufacturing license before award of purchase order.
4. Photocopy of up to date (Income Tax return & PAN card of firm concerned.)
5. Photocopy of up to date VAT clearance certificate.

6. Photocopy of documentary evidence in support of Exemption of EMD.
7. Photo copy of CST & VAT R.C.
8. Detail Name, Address, telephone No., Fax, E-mail of the firm & of the Director / Managing Partner / Proprietor of the firm.
9. Annual Turn over disclosed in VAT returns of last three years or balance sheet of the audited account of last three years.
10. Declaration regarding not blacklisted by any Govt Offices / Govt. undertakings /organizations.
11. No tender shall be accepted if the same is not supported with the above documents as mentioned.

The right of acceptance of tender and / or award of contract or relax any clause of the tender notice rests with the who does not bind himself to accept to The General Manager, The Cuttack Co-operative Milk Producers Union Ltd.. Odisha, Cuttack the lowest Tender and also reserves himself the right to reject any or all the tender(s) received without assigning any reason whatsoever. Any disputes arises in future will be finalized by the General Manager. The legal dispute is subject to Cuttack jurisdiction only.

#### **VALIDITY OF TENDERS**

- I. The rate so approved will remain valid for one year, from the date of finalization of the price, the terms, conditions and the approved price of the items may be extended for a period as decided by the The Cuttack Co-operative Milk Producers' Union Ltd. duly approved by the competent authority.
- II. No extension of time shall be allowed for submission of tender under any circumstances unless otherwise specifically extended by the General Manager, The Cuttack Co-operative Milk Producers' Union Ltd., Cuttack by wide publication in news paper & electronic media.

## **GENERAL INSTRUCTIONS TO TENDERERS**

**1. Scope of work** - Vendors / Agencies/suppliers are required to supply the item in quantities shown against each item within an agreed period of time.

**2. Tender documents:** Tender Documents comprise Tender notice, General Instructions to Tenderers, Form of Tender, General Conditions of Tender, Specification of equipment, price schedule and Specimen Form of Performance Bond. Tenderers should follow the formats given in the Tender document without any alteration for the preparation of the Tender. Each page of the Tender document shall be numbered and signed by the Tenderer and securely sealed in cover and should be forwarded by registered post addressed to:

To

The General Manager,  
**Cuttack Co-operative Milk Producers Union Ltd.**  
At- Mahanadi Vihar, PO- Nayabazar  
Dist.- Cuttack, Odisha, Pin - 753004

The sealed cover should bear the superscription “**Tender for the supply of Insulated Milk Barrel**”. The Tenderers may also personally deposit the tender at the office of The Cuttack Co-operative Milk Producers Union Ltd. in the above mentioned address during office hours.

**3. Tenders shall be made in accordance with this tender document, consisting of the following documents.**

- A. General Conditions of Tender - Annexure: A
- B. Tender form - Annexure: B
- C. Specifications - Annexure: C
- D. Price Schedule - Annexure: D

**4. Conformity with Tender Condition and Specifications:** All the items offered must strictly conformed to the specifications of the equipments and to the contents of this document. The offer must address itself specifically to the individual specifications and state whether the items offered **conform** or **do not conform** therewith.

The tenderer shall submit tenders as per the format given at the relevant annexure without any alteration. Failure to submit the tender in the required format will be rejected. Additional information required to be submitted by Tenderer may be attached separately. Tenders submitted over mail or any of the electronic format will not be considered.

**5. Documents to be submitted with the Tender:** The following Documents should accompany the Tender.

General Conditions of Tender - Annexure: A

Form of Tender duly completed and signed - Annexure: B

Specifications - Annexure: C

Bidding data Sheets - Annexure: D

Non-refundable Tender fee of Rs 500.00 (Five hundred)

Copy of VAT clearance certificate and PAN card.

All other documents as mentioned in the term and condition.

EMD – 1% (One) of the bidding value in shape of Bank draft from any nationalized bank in favour of The Cuttack Co-operative Milk Producers Union Ltd., payable at Cuttack.



## **GENERAL CONDITIONS OF TENDER**

### **General**

Tenderers must acquaint themselves fully with the terms and conditions of the Tender. No plea of lack of information or insufficient information will be entertained at any time.

Tender documents once submitted to The Cuttack Co-operative Milk Producers Union Ltd. will not be returned.

No Tender shall be considered unless all the conditions laid down in the document have been strictly fulfilled.

### **Performance Bond**

The successful bidder shall be required to furnish a Performance Bank guarantee for 10% of the contract sum from an approved Nationalized Bank in the name of The Cuttack Co-operative Milk Producers Union Ltd. as security.

In the event of default on the part of the Tenderer, awarded with contract with The Cuttack Co-operative Milk Producers Union Ltd. may terminate the Contract and collect compensation as per the Performance Bond without recourse to law.

After completion of the warranty period, the Performance Bond will be returned to supplier.

### **Bidding Data Sheet / Offer Sheet**

Tenderers shall quote prices in Indian Currency for supply and delivery.

Tenderer shall fill in and sign the prescribed form of "Bidding Data Sheet"

Offers shall be liable for rejection if Tenderers fail to submit their offers on the Bidding Data Sheets attached to the official Tender Document.

The all inclusive price quote should be the net price after allowing all discounts.

VAT should be shown separately if applicable with the VAT Registration Number.

The prices quoted should be written clearly in ink or typewritten and must be in figures and repeated in words. If there is a discrepancy between the prices stated in figures and words the prices stated in words will be taken as correct.

Any alteration in the Offers should be initialed by the Tenderer, failure to do so will result in the Offer being treated as informal and rejected.

**Guarantee:**

The Tenderer guarantees to The Cuttack Co-operative Milk Producers Union Ltd. that the items supplied under the Contract will comply strictly with the requirements of The Cuttack Co-operative Milk Producers Union Ltd.. The Tenderer shall further guarantee that all items supplied by the Tenderer will be new, merchandise of the most suitable grade, and fit for their intended purposes.

**Delivery and Installation**

**Delivery the items are required within One Month from the date of award.**

The tenderer will be responsible for the proper packing and should transport the items and to ensure their safety until the equipment/item is delivered and accepted. The equipment to be supplied shall be new and unused at the time of delivery. **The probable date of delivery should be stated at Destination.** All other things being equal preference will be given to Offers which specify early delivery. If the General Manager, The Cuttack Co-operative Milk Producers Union Ltd. is not satisfied with the delivery period quoted by the successful supplier/s, he may at his discretion decide to split orders among several suppliers.

The total cost is inclusive of Packing, forwarding, Fright, transport, insurance and any other expenses.

Price basis : FOR Delivery at Destination points as per the Purchase Order.

**Payment Terms**

Payments will be made by cheque depending upon successful supply and on production of the invoice/invoices, Certificate of Acceptance by the authorized officer and other relevant documents which are required for the purpose for the payment.

The tenderer shall bear all costs associated with the preparation and delivery of its tender. The Cuttack Cooperative Milk Producers Union Ltd. will in no case be responsible or liable for those costs.

90% Payment shall be released after receiving of the equipment at site. Balance 10% after 1 year of satisfactory commissioning. The supplier is also eligible to get 30% advance before supply of equipment against 33.5% bank guarantee. The supplier may also apply for release last payment installment of 10% against performance bank guarantee for equivalent amount from any nationalize bank.

**Supply Within Agreed Period**

If the contractor fails to supply the items within the time period prescribed in the tender he shall be liable to pay the Cuttack Co-operative Milk Producers Union Ltd. one (1%) percent of the total contract value per every 15 days of delay, subject to a maximum five (5%) percent of the total contract sum.

We agree to abide by the above General Conditions of Tender.

Signature of Tenderer

Name and address of Tenderer :.....

Telephone/Fax No :.....

Date :.....

**FORM OF TENDER**

To

The General Manager,  
**The Cuttack Co-operative Milk Producers Union Ltd.**  
At- Mahanadi Vihar, PO- Nayabazar  
Dist.- Cuttack, Odisha, Pin - 753004

1. Having examined the instructions to Tenderers, General Conditions of Tender, Specifications and Bidding Data Sheets/Offer Sheets for the Supply & installation of Equipments and other items, we the undersigned, offer to supply the equipments in conformity with the said General Conditions of the Tender, specifications and Bidding Data Sheets/Offer for the cost mentioned below.

***(Please indicate all inclusive cost with VAT) : .....***

2. We agree to abide by this Tender for the period of 365 calendar days from the date fixed for receiving the same and it shall remain binding upon us and may accepted at any time before the expiration of that period.

3. We understand that you are not bound to accept the lowest and that you reserve the right to reject any or all Tenders or to accept any part of Tender in the better interest of the Union without assigning any reasons thereof.

Name of Tenderer : .....

Seal : .....

Signature of Tenderer : .....

Name and Title of the Signatory : .....

Telephone No : .....Fax Nos : .....

Address : .....

.....

**Road Milk Tanker 2KL / 3KL / 5KL / 07KL / 9 KL / 14 KL SS insulated Milk Barrel  
(To be mounted with suitable Tata chassis)**

**Specification of SS barrel for 2000 ltrs. capacity RMT**

The barrel for RMT shall be of single compartment design, elliptical construction. The inner shell and outer shell shall be fabricated from 2mm and the inner and outer dished end shall be made from 2.5mm SS 304 material. The inner vessel shall be insulated and shall have 100 mm thick insulation. The tanker shall have the following fittings & mountings.

1. 4.5mm SS insulated manhole with dust cover
2. SS catwalk way with SS 304 dimpled plate
3. 1 no. outlet valve 51mm with valve box – 2mm thick SS 304
4. Separate saddle – 3.15 mm SS 304
5. 1 No spray ball for CIP-STD SS 304
6. Heavy duty rear bumper with SS ladder – 20, OD STD SS 304
7. SS mudguard over wheels – 1.6mm thick SS 304
8. SS dimple platform on the rear side made from 2mm thick SS sheet
9. 2nos. SS fot rest with dimpled top
10. 1no blank nut permanently fixed with barrel by SS chain
11. Necessary stiffening arrangement with innder and outer shell
12. Barrels shall be mounted on 2nos. MS 5.0 Thick runners.
13. 1 no railing at top & one no railing at the side.
14. 1 no graduated deep stick
15. Rear valve box and manholes at the top shall be lockable type.
16. The barrel should be suitable for mounting on TATA chassis Model No- SFC-407

**Test :**

- (1) The tanker shall be tested for water tightness for the inner vessel before insulation.
- (2) Dye penetration test CDO for welds of inner vessels before insulation.

**State of Inspection :**

When the inner vessel of both the barrels are ready, supplier shall intimate The Cuttack Cooperative Milk Producers Union Ltd.for inspection of thickness of the materials, DP test and test for water tightness. 2<sup>nd</sup> state inspection shall be done after finishing of the barrel before dispatch.

**Finish**

Internal & External surfaces shall be finished to 150 grit. External MS surfaces shall be painted two anti corrosive coats. The chassis shall be supplied by The Cuttack Cooperative Milk Producers Union Ltd at your works. You shall be mounting the barrel on the chassis with necessary U clamps and rubber ballatta. You shall arrange safety of the chassis when it is at your work.

**Note :**

The above is only broad specification of the barrel. The manufacturers shall prepare detail fabrication drawings and submit to us for approval. Fabrication of the tanker shall be taken up as per approved drawings.

## **Specification of barrel for RMT 3000 ltrs. / 5000 ltrs / 7000 ltrs. capacity**

3KL Road Milk Tank SS barrel (single compartment)

05KL / 07KL / 09KL / 14KL Road Milk Tank barrel (S.S) double compartment

This includes fabrication, testing of barrels and mounting on the chassis supplied by Milk Union / Federation.

The barrel for Road Milk Tanker shall be single compartment design for 3 KL and double compartment for 5 KL and 7 KL. Elliptical construction. The inner shell and outer shell shall be fabricated from SS 304 2 MM material. The inner and outer-dished end shall be made from SS 304 2 mm material. The tanker shall have 100 mm thick insulation between inner and outer shell.

The tanker shall have the following fittings and mountings.

1. Insulated manhole with dust cover made out of minimum 2.5mm thick SS sheet.
2. SS catwalk way
3. Valve Box
4. SS ladder
5. Separate Saddle
6. Necessary stiffening arrangements between inner and outer shell
7. One No. outlet with 51 mm SS valve
8. 2 nos spray balls for CIP cleaning.
9. Heavy dust rear bumper with SS ladder
10. SS mud guard over wheel
11. SS Plat forms on the rear side made from 2 mm thick SS sheet with 2 nos SS foot rest and dimpled top
12. One blank nut permanently fixed with barrel SS chain shall be provided
13. 50 MM each thermo cool insulation of 2 layer and 20 mm glass wool insulation one layer.

### **Test**

The tanker shall be tested with water tightness for the inner vessel before insulation.

Dye penetration test for welded of inner vessels before insulation

### **Stage of Inspection**

When the inner vessel of both the barrels are ready, supplier shall intimate The General Manager, The Cuttack Cooperative Milk Producers Union Ltd. for inspection of thickness of the materials DP test and test for water tightness. 2nd stage inspection shall be done after finishing of the barrel before dispatch.

### **Finish**

Internal and external surfaces shall be finished to 150 grid. External MS surfaces shall be painted two coats. The chassis shall be supplied by The Cuttack Cooperative Milk Producers Union Ltd. at your works for mounting of the barrel on the chassis with necessary U Clamps and rubber ballate. You shall arrange safety of the chassis when it is at your work shop.

### **Note**

The above is only broad specification of the barrel. The manufacturers shall prepare detail fabrication drawings and submit to us for approval. Fabrication of the tanker shall be taken up as per approved drawings.

### **Specification of SS barrel for RMT 9000 ltrs. capacity.**

The barrel for Road Milk Tanker shall be double compartment elliptical construction. The inner shell and outer shell shall be fabricated from 2mm and the inner and outer dished end shall be made from 2.5 mm SS 304 materials. The inner vessel shall be insulated and shall have 100mm thick insulation. The tanker shall have the following fittings & mountings :-

1. 2.5mm SS insulated manhole with dust cover
2. SS catwalk way
3. 2nos. outlet valves 51mm with necessary outlet pipes with valve box.
4. Separate saddle
5. 2nos. spray balls of CIP
6. Heavy duty rear bumper with SS ladder
7. SS mudguard over wheels
8. SS dimple platform on the rear side made from 2mm thick SS sheet.
9. 2nos. SS foot rest with dimpled top
10. One no blank nut permanently fixed with barrel by SS chain
11. Necessary stiffening arrangement with inner and outer shell
12. Barrels shall be mounted on 2nos. MS 5.0 thick runners.
13. One no railing at top & one no. railing at the side.
14. One no graduated deep stick
15. Rear valve box and manholes at the top shall be lockable type.

### **Test**

The tanker shall be tested with water tightness for the inner vessel before insulation.

### **Stage of Inspection**

When the inner vessel of both the barrels are ready, supplier shall intimate The General Manager, The Cuttack Cooperative Milk Producers Union Ltd. for inspection of thickness of the materials DP test and test for water tightness. 2nd stage inspection shall be done after finishing of the barrel before dispatch.

### **Finish**

Internal and external surfaces shall be finished to 150 grid. External MS surfaces shall be painted two coats. The chassis shall be supplied by The Cuttack Cooperative Milk Producers Union Ltd. at your works for mounting of the barrel on the chassis with necessary U Clamps and rubber ballate. You shall arrange safety of the chassis when it is at your work shop.

### **Note**

The above is only broad specification of the barrel. The manufacturers shall prepare detail fabrication drawings and submit to us for approval. Fabrication of the tanker shall be taken up as per approved drawings.

## **Specification of SS barrel for RMT 14000 ltrs. capacity.**

**General Description** – The fixed chassis double compartment tanker would be used to transport pasteurized chilled milk on rough surface and asphalt road over long distance.

### **Design Requirements –**

**Capacity** : The insulated barrel would be double compartment having brimful capacity of maximum permissible but not less than 14,000 ltrs. 14,000 ltrs minimum and 14400ltrs. maximum, 7000 ltrs. in each two compartments.

**Dimensions** : The length and major axis of the barrel should be such that the available length and width of the chassis are fully utilized.

**Height** : The maximum over all height of the tanker should be the acceptable height for chassis model.

**Slope** : The barrel bottom of the inner shells should slope towards the outlet provided at the rear end of barrel for free and complete drainage of liquid.

**Insulation** : The insulation should with stand high temperature of 95degree cent. During Cif. It should not permit more than one deg. Rise in temp in 24 hours when ambient temp. 35 deg. Cent. And milk temp. is 4 deg. Cent.

### **Technical :**

Capacity – 14,000 ltrs. (2 compartment of 7000ltrs. each)

Type – Horizontal Chassis Mount

Construction – Two shell Insulated

Inner Shell – 2mm thick SS 304

Out Shell – 2mm thick SS 304

Inner Dished Ends – 2.5mm thick SS 304 x 4nos.

Outer Dished Ends – 2.5mm thick SS 304 x 2 nos

Runner – 5mm MSIS 2062

Insulation – Medium density EPS 100mm thick in tow layer with bitumen compound & twinge make 10mm thick compressed glass wool.

Cat walk way – SS 304, dimpled plate

Platform – 2mm thick SS 304

Manhole – 5mm thick SS 304

Dust Covers – 5mm thick SS 304

Valve Box – 2mm thick SS 304

Mudguard – 1.6mm thick SS 304

Ladder – 25-OD STDm, Pipe SS 304

Outlet valve – 63mm SS, Butterfly valve, 2nos

Spray Ball – STD, SS 304, 2nos

Surface finish – Internal SS-150 Grit polish, External SS sanitary polish

Mounting on Chassis Pads – By STD U Clamps with rubber

Test – DP test for all welding joints.



**Bidding Data Sheet  
( File Attached Separately) – Kindly Download**

Date :.....

Company Name :.....

Name of the authorized person :..... Signature :.....

Contact Number :..... Company Seal :.....

Address :.....