



**The Bhagirathi Co-op. Milk Producers' Union Ltd.**  
Feeder Dairy: P.O-Baharampur: PIN -742101: Dist.-Murshidabad  
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## **NOTICE INVITING E-TENDER**

**BU/E&T/M.VEHICLE/0822**

**Dated: 06.07.2021**

The Bhagirathi Cooperative Milk Producers Union Limited (BCMPUL) invites **E-Tender** in Two bid systems for entering into rate contract for hiring Two (2) nos of Refrigerated Container Vehicles for transportation and carrying capacities total- 275 Crates (for each vehicle) loaded Milk & Milk products, along with driver and helper for a period of 3 years, area of operation within India.

### **IMPORTANT DATE AND TIME SCHEDULE**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Date &amp; Time</b>
1	Date of uploading (Publishing)of N.I.T. Documents (Online)	06.07.2021 at 1600 hrs
2	Documents download start date (Online)	06.07.2027 at 1600 hrs
3	Technical Bid proposal submission start date (Online)	06.07.2021 at 1600 hrs
4	Bid Submission end date (Online)	20.07.2021 at 1600 hrs
5	Technical bid opening date	22.07.2021 at 1600 hrs
6	Pre bid Meeting (No schedule kept considering COVID pandemic) (Any query may be addressed by mail or telephonic communication)	NIL
7	Financial Bid Opening date	To be notified later

**The details of work are given below:**

<b>Nature of Work</b>	<b>Service</b>
<b>Scope of Work</b>	Rate contract for Hiring Refrigerated Container Vehicles from Berhampore to Siliguri Route or any other route as per requirement of the Milk Union, of carrying capacity of 275 crates loaded milk & Milk products, along with driver and helper for transportation of Milk and Milk Products to our distributors / retailers within

	<p>India, for a period of 3 years. The carrying capacity may differ depending upon demand subject to a maximum of 275 crates or 3108 kgs.</p> <p>Minimum guarantee of 5000 km under refrigerated condition for each vehicle per month shall be provided by the Milk Union upon finalization of Contract.</p>		
<b>Load &amp; Mileage details</b>	<b>Sl. No.</b>	<b>Load milk Crates Carrying Capacity</b>	<b>Mileage for Refrigerated Cover Vehicles per liter.</b>
	1	275 Crates	8 km
	<p><b>Note: - Gross Wt. of one Crate with Milk =11.2 kg.</b></p> <p><b>Empty crate weights=1.2 to 1.3 kg (approx.)</b></p>		
<b>Estimated Cost of Work</b>	Rate to be offered by the bidder per km basis inclusive of all expenses involved based on prevailing market rate.		
<b>Area of operation</b>	PAN India. The Transporter should have National permit.		
<b>Contract Period</b>	3 years		
<b>Bid Inviting Authority</b>	The Managing Director of The Bhagirathi Cooperative Milk Producers' Union Limited		
<b>Estimated Cost of Work</b>	Nil. Bidder should quote the rate depending upon prevailing market rate. Rate should be quoted per km basis inclusive of all i.e. Driver, Helper, Fuel, Lubricant, Maintenance cost, etc.		
<b>Security Deposit</b>	<ul style="list-style-type: none"> <li>Rs.30,000/- for each vehicle. Security deposit shall not carry any interest.</li> <li>Additional security deposit of Rs.5000/- (interest free) is to be deposited against supply and installation of GPS Tracker by the Bhagirathi Milk Union. The amount will be refunded once the contract is successfully executed subject to return of GPS Tracker in good working condition.</li> </ul>		
<b>Eligibility Criteria</b>	<p><b>Credentials:</b></p> <ol style="list-style-type: none"> <li><b>Experience:</b> Preference will be given to experienced transporters (in the same name and style as in the bidding entity) in transportation of milk and milk products in refrigerated container vehicles. Experience certificate / Vehicle engagement letter from competent authority supporting the claim must be uploaded in the Technical Bid Folder.</li> </ol>		
<b>Technical Bid Document</b>	<ol style="list-style-type: none"> <li>Signed Copy of NIT in all pages.</li> <li>GST Registration Certificate.</li> <li>PAN Card,</li> <li>FSSAI License / Registration.</li> <li>Up-to-date documents related to each vehicle i.e. RC, Permit, Road tax, fitness etc.</li> <li>Documents supporting Identity and Address.(Voter/Aadhar Card)</li> <li>Experience Certificate of Milk Transportation. (Work Order/Certificate)</li> </ol> <p>Failure to upload any of the above documents will result in disqualification of the</p>		

	Tender during technical bid.
<b>Earnest Money Deposit</b>	<p>The EMD amounting to Rs. 11,111/- should be deposited online through Net Banking, NEFT / RTGS in favour of the The Bhagirathi Cooperative Milk Producers' Union Limited payable at Berhampore.</p> <p>EMD shall not carry any interest.</p> <p>EMD of successful bidders shall be refunded after deposition of Security Deposit.</p> <p>Tenderers will select the Tender to bid and initiate payment of pre-defined EMD for that tender by selecting from either of the following payments modes (vide Finance Department Memorandum no. 3975-F(Y) Dt. 28/07/2016) :</p> <ol style="list-style-type: none"> <li>1. Net banking (any of the banks listed in the ICICI Bank Payment gateway) in case of payment through ICICI Bank Payment Gateway.</li> <li>2. RTGS/NEFT in case of offline payment through bank accounts in any Bank.</li> </ol> <p><b>Payment procedure:-</b></p> <p><b>a) Payment by Net Banking (Any Listed Bank) through ICICI Bank Payment Gateway :</b></p> <ol style="list-style-type: none"> <li>1. On selection of net banking as the payment mode, the bidder will be directed to ICICI Bank Payment Gateway webpage (along with a string containing a Unique ID) where he will select the Bank through which he wants to do the transaction.</li> <li>2. Bidder will make the payment after entering his Unique ID and password of the bank to process the transaction.</li> <li>3. Bidder will receive a confirmation message regarding success/failure of the transaction.</li> <li>2. If the transaction is successful, the amount paid by the bidder will get credited in the Respective Pooling Account of The Bhagirathi Cooperative Milk Producers' Union Limited maintained with the Focal Point Branch of ICICI Bank at R.N. Mukherjee Road, Kolkata for collection of EMD/Tender Fees.</li> <li>3. If the transaction is failure, the bidder will again try for payment by going back to the first step.</li> </ol> <p><b>b) Payment through RTGS/NEFT:</b></p> <ol style="list-style-type: none"> <li>1. On selection of RTGS/NEFT as the payment mode, the e-Procurement</li> </ol>

portal will show a pre-filled challan having the details to process RTGS/NEFT transaction.

2. The bidder will print the challan and use the pre-filled information to make RTGS / NEFT payment using his Bank account.
3. Once payment is made, the bidder Will come back to the e-Procurement portal after expiry of a reasonable time to enable the NEFT/RTGS process to complete, in order to verify the payment made and continue the bidding process.
4. If verification is successful, the fund will get credited to the Respective Pooling Account of The Bhagirathi Cooperative Milk Producers' Union Limited maintained with the Focal Point Branch of ICICI Bank at R.N. Mukherjee Road for collection of EMD/Tender Fees.
5. Hereafter, the bidder will go to e-Procurement portal for submission of his bid.
6. But if the payment verification is unsuccessful, the amount will be returned to the bidder's account.

#### **B. Refund/Settlement Process:**

i. After opening of the bids and technical evaluation of the same by the Quotation inviting authority through electronic processing in the e-Procurement portal of the State Government, the Quotation inviting authority will declare the status of the bids as successful or unsuccessful which will be made available, along with the details of the unsuccessful bidders, to ICICI Bank by the e-Procurement portal through web services.

ii. On receipt of the information from the e-Procurement portal, the Bank will refund, through an automated process, the EMD of the bidders disqualified at the technical evaluation to the respective bidders' bank accounts from which they made the payment transaction. Such refund will take place within T+2 Bank Working Days where T will mean the date on which information on rejection of bid is uploaded to the e-Procurement portal by the Tender inviting authority.

iii. Once the financial bid evaluation is electronically processed in the e Procurement portal, EMD of the technically qualified bidders other than that of the L1 bidder will be refunded, through an automated process, to the respective bidders' bank accounts from which they made the payment transaction. Such refund will take place within T+2 Bank Working Days where T will mean the date on which information on rejection of financial bid is uploaded to the e-Procurement portal by the Quotation inviting authority.

iv. As soon as the L1 bidder is awarded the contract (AOC) and the same is processed electronically in the e-Procurement portal.

a)EMD of the L1 bidder for tenders of State Government Offices will automatically get transferred from the pooling account to the State Government

	<p>deposit head “8443-00-103-001-07” through GRIPS along with the bank particulars of the LI bidder.</p> <p><b>b)</b> EMD of the LI bidder for tenders of the State PSUs/Autonomous Bodies/Local Bodies/PRIs, etc. will automatically get transferred from the pooling account to their respective linked bank accounts along with the bank particulars of the LI bidder.</p> <p><b>v.</b> In both the above cases, such transfer will take place within T+1 Bank Working Days where T will mean the date on which the Award of Contract (AOC) is issued.</p> <p><b>vi.</b> The Bank will share the details of the GRN No. generated on successful entry in GRIPS with the E-Procurement portal for updating.</p> <p><b>vii.</b> Once the EMD of the LI bidder is transferred in the manner mentioned above, Tender fees, if any, deposited by the bidders will be transferred electronically from the pooling account to the Government revenue receipt head “0070-60-800-013-27” through GRIPS for Government tenders and to the respective linked bank accounts for State PSU/Autonomous Body/Local Body/PRIs, etc. tenders.</p> <p><b>viii.</b> All refunds will be made mandatorily to the Bank A/c from which the payment of EMD &amp; Tender Fees (if any) were initiated.</p>
Bid Document	The bid document is available in the E-Tendering Portal of Govt. of West Bengal <a href="https://wbtenders.gov.in">https://wbtenders.gov.in</a> .
Technical Bid Evaluation	The Technical Bid will be evaluated by the Tender Committee. Bidders shall upload all the necessary documents in the Technical Folder which will be verified and evaluated by the Tender Committee.
Financial Bid	<p>Rate shall be quoted in the Financial bid</p> <p>The Transporter shall quote the rate online through Computer only in the space marked for quoting rate in the Bill of Quantities (BOQ).</p> <p>Only downloaded copies of the above documents, digitally signed by the contractor are to be uploaded (Excel file).</p> <p>Single rate per kilometer shall be quoted in the specified space of the BOQ given under financial bid.</p> <p>The rate quoted by the tenderer shall be inclusive of all elements of taxes and duties, demands, tolls etc. The tenderer shall include income tax, GST etc as applicable, octroi if any and all other charges if applicable while quoting the rate. All the other charges like transit insurance charges etc as would be required for the transportation of milk and milk products shall also be included in the rate quoted. No claim whatsoever in this account shall be entertained.</p>
Validity of Bid	1095 days

E-Tender registration and bidding	<p><b>ONLINE BIDDS:</b>  The bidders interested to submit the bid Online shall get registered and get a digital signature as per the procedure described below:  Transport Agencies\ bidders who are interested in participating e tenders are requested to contact the representatives of NIC for registration, computer setting and clarification on e-tendering  Online tenders can be submitted by logging in the e –Tendering portal of Govt. of West Bengal i.e. <a href="https://wbtenders.gov.in">https://wbtenders.gov.in</a> .</p>
Download of Tender	<p><b>1. Download of Tender</b></p> <p>Tender to be downloaded only from the e-Tendering portal of Govt. of West Bengal i.e. <a href="https://wbtenders.gov.in">https://wbtenders.gov.in</a> .The tender will be submitted in two bid system i.e. Technical bid &amp; Financial bid only through online.</p> <p><b>2. Online Bid submission procedure</b></p> <ol style="list-style-type: none"> <li>i. <b>Registration of Transporter:</b> Agencies/Bidders or parties who are interested in participating e-tenders will have to get enrolled &amp; registered with the Government e-Procurement system. through logging on to <a href="https://wbtenders.gov.in">https://wbtenders.gov.in</a></li> <li>ii. <b>Digital Signature certificate (DSC):</b> Each transporter is required to obtain a class-II or Class-III Digital Signature Certificate (DSC) having Signing and Encryption certificate for submission of tenders from the approved service provider of the National Information's Centre (NIC) on payment of requisite amount or any service provide as may be allowed by the Finance Department, Govt. of West Bengal.</li> <li>iii. <b>Tender Download:</b> The transporter can search &amp; download NIT &amp; Tender Documents electronically from computer once he logs in to the e-Tendering portal <a href="https://wbtenders.gov.in">https://wbtenders.gov.in</a> using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.</li> <li>iv. <b>Submission of Tenders:</b> General process of submission, Tenders are to be submitted through online to the stipulated website in two folders at a time for each transport route, one in Technical Bid &amp; the other is Financial Bid before the prescribed date &amp; time using the Digital Signature Certificate (DSC). The documents are to be uploaded duly digitally signed. The documents will get encrypted (transformed into non readable formats).</li> </ol>
Award of Contract	<p>The <b>bidder selected</b> after evaluation of financial bid by the Tender Committee will be given Award of Contract, subject to fulfillment of Terms and Conditions provided in the tender subsequently approved by the Competent Authority.</p>
Publication of Tender	<ol style="list-style-type: none"> <li>1. E-Procurement Portal Govt. of West Bengal (<a href="https://wbtenders.gov.in">https://wbtenders.gov.in</a>)</li> <li>2. Website of the Milk Union (<a href="http://www.bhagirathimilk.com">www.bhagirathimilk.com</a> )</li> <li>3. Office Notice Board</li> </ol>

## **GENERAL TERMS AND CONDITIONS**

1. Toll tax and levies (except overloading charges) shall be reimbursed by the Milk Union on actual basis subject to submission of bill. In case, Milk union provides extra load (more than scheduled crates) then the over loading charges / penalty (if any) will be paid by the milk Union subject to submission of original fine receipt with the monthly bill.
2. The Bhagirathi Co-operative Milk Producers' Union Ltd. will not accept any variation in conditions stipulated in the tender. Any suggestion in the tender, for any modification of the tender conditions will not be entertained and the conditional offer will render the tender will be invalid.
3. The proposed vehicle which will be provided for transportation of milk and milk products/SMP/Poly Film etc. should be in good condition. Preference will be given to new vehicles not more than 3 years old. Rate quoted for vehicles more than 3 to 7 years old shall only be accepted after proper inspection.
4. The transport vehicle staff shall also be responsible for collecting cheques/drafts/letters/Crates, Boxes and other related materials from distributors and submitting it to the official of the concerned Department.
5. Refrigerated vehicles should be insulated properly to maintain a continual temperature of 2<sup>0</sup>C to 4<sup>0</sup>C. The vehicle must strictly comply insulation and refrigeration norms. For any kind of damages to the vehicle or all kind of repairing charges are to be borne by the transporter only. In case of breakdown of schedule vehicles, transporters are bound to arrange alternative vehicles of same capacity and same categories, for uninterrupted supply of milk & milk products. In default, transporters are liable to compensate to the milk union an amount not less than additional expenditure/ loss incurred/ suffer by the Milk Union in arranging alternative vehicles/ reprocessing cost of milk and milk products.
6. If the tenderer has already been blacklisted by any Government/ Government Undertakings/ Co-operative societies, his tender will be rejected. In case information about such black listing comes to the knowledge of the Union after awarding of the tender, the contract will be terminated, liquidated damages levied, apart from taking penal action.
7. BCMPUL reserves the right to accept or reject any or all tender wholly / partly without assigning any reason thereof at any time.
8. Successful bidder has to provide vehicle within admissible time or date as decided / mentioned by the milk union in the engagement letter.
9. On selection, the contractor has to execute an agreement on Non-Judicial Stamp paper of Rs.100/- as per terms and conditions enclosed.

10. Vehicles will be run as per scheduled timetable of the Milk Union. The Managing Director of the Union reserves the right to add, subtract and modify any terms and conditions of the agreement with the consent of the Contractor during the contract period.
11. Rate quoted by the bidder per km basis inclusive of all expenses and it would be decreased / increased in every month proportionately depending upon increased / decreased average monthly fuel price.
12. The transporter should be able to supply the vehicle(s) within 7 (seven) days of issuance of award of contract.

**Precautions:**

1. The tenderer must satisfy himself thoroughly about the geographical area to be covered, nature of work, route conditions /local conditions and the requirement of the Milk Union before submitting his tender.
2. The person signing the tender should be the Proprietor / Partner / Managing Director or any other person duly authorized to sign the tender document. In the latter case, authorization letter should be attached.
3. The tenderer should read every page and understand the implications fully and offer the tender only if he could discharge the obligations set out in the tender documents.
4. Required specification for refrigerated cover vehicles is attached along-with.
5. Successful bidder has to engage the vehicle within date as mentioned in vehicle engagement letter.
6. The tenderer can visit our office where the clarifications sought for by the tenderer will be given.

**Other terms & Conditions**

1. The Transporter for the mentioned route will be liable to carry out and hand over the milk and milk products/SMP/Poly Film to the said distributor/retailer/ Plant (according to challan). The contract will be valid for **3 years** from the date as mentioned in the engagement letter or acceptance of the Work Order or placement of vehicles and the Transporter will be liable for providing the service for the stipulated time period.
2. If the service of the transporter is not found satisfactory or it is adverse to the interest of the Milk Union then the Milk Union may terminate the contract at any point of time, without assigning any reason. On termination of the contract the Security Deposit shall be forfeited and the transporter shall be blacklisted for 3 years and no claim in this regard shall be entertained.
3. The Transporter will be liable to receive the milk and milk products from Feeder Dairy according to the challan and time table, provided by the Marketing Section and transport them through insulated / refrigerated container vehicles to the distributor/retailer lying in the concerned route. Accordingly the transporter is bound to return the empty crates, boxes, drafts, received copy of challan and other



documents/ materials to the Milk Union as soon as the vehicle returns to dairy. If the transporter fails to fulfill the aforesaid responsibilities due to any reasons, which causes any economic loss or detrimental to the reputation of Milk Union then the transporter will be compelled to compensate the penalty amount imposed by the Milk Union which will be deducted from the monthly bill of the transporter.

4. As per the instruction of the Milk Union, the transporter has to maintain a proper record regarding the list of items returned by the distributors / retailers. The transporter will be responsible for any damage of consignment or return due to late arrival etc. which is caused by him/her to the distributors/retailers due any sort of mistakes/negligence .In such situation, the Milk Union will have the power to compensate the loss by deducting suitable amount from the bills of the transporter due to the negligence. The decision of the Milk Union will be final and binding on the transporter.
5. If the Bhagirathi Milk Union has to stop the supply of the milk and milk products of any distributor/retailer of the said route due to any reasons, the Bhagirathi Milk Union will not be bound to pay any compensation to the transporter. The transporter is bound to follow the instruction of the Union on this note. Bhagirathi Milk Union will inform the decision to the transporter well in advance.
6. If the engaged vehicle of the transporter is unable to supply milk and milk products due to break down or any reason whatsoever then the transporter has to arrange an alternative vehicle to continue the transport service. If he fails to do so, he will be liable to pay the amount of extra expenditure incurred by the Milk Union in arranging such alternate vehicle along with penalty as fixed by the milk union and engagement letter / contract may be cancelled / terminated without assigning any reason. The corresponding amount along with penalty, if any, will be deducted from the bill of the transporter.
7. As transportation of milk and milk products belong to emergency service, the transporter will have to affix a board written “ON EMERGENCY MILK DUTY BHAGIRATHI MILK UNION” on the vehicle, such that it draws the attention of everyone and the transport service does not get interrupted.
8. The transporter shall have to maintain one reserved space in the transporting vehicle for one of the official of the Milk Union and in case of any accident, the rules of Motor Vehicles (MV) Act will be followed.
9. During the transit the transporter shall not carry any passenger or any other materials without permission of Milk Union. If the transporter or his/her staff is associated with any illegal activities or any accidents took placed, Milk Union will not be responsible morally/legally regarding the aforesaid matters.

10. That the transporter shall have to deposit a refundable interest free **Security Deposit of Rs. 30,000/-** in favour of The Bhagirathi Cooperative Milk Producers' Union Ltd. in Demand Draft in any Nationalized Bank payable at Berhampore at the time of issuance of work order in default said amount will be deducted from the transport bill in three installments.
11. **Additional security deposit of Rs.5000/-** or actual price of GPS (interest free) will have to be deposited against supply and installation of GPS Tracker by the Bhagirathi Milk Union. The said amount will be refunded once the contract is successfully executed, subject to return of GPS Tracker in working condition. G.P.S tracker installed by the Milk Union must be active during the trip.
12. The Milk Union may increase/decrease the number of distributors/retailers in the said route and the transporter will be bound supply the goods to the newly appointed distributors/retailers as per instruction of the Milk Union.
13. In case of increase or decrease in the number of distributor/retailer, for which the total traversal increases/decreases, rate escalation/de-escalation shall be given by the Milk Union to the transporter as per prevailing market rate. Rate escalation on any other account shall not be entertained till the execution of the contract.
14. The transporter has to submit the transport bill (triplicate) within 7<sup>th</sup> day of next month. On this basis the bill amount will be paid within 21-30 days of the next month. In case of failure to submit the bill within 7<sup>th</sup> day of succeeding month, the Union will not be responsible for any delay in paying monthly bill. Income tax rules will be imposed accordingly.
15. The transporter will be fully responsible for any demurrage of milk and milk products for negligence to arrange the alternative vehicle or any other negligence from the end of the transporter or his/her staff. The demurrage and penalty amount will be decided by the Bhagirathi Milk Union and it will be deducted from the monthly bill of the transporter without assigning any letters.
16. If required, the transporter will be liable to transport milk and milk products of other routes according to the challan and stipulated timetable provided by Marketing Section and at the time of carrying milk and milk products if any damage occurs, the transporter will be liable. In this case the approved rate of that route / type of vehicle will be considered.
17. The time table, for placing the vehicle to dock area for receiving the milk and milk products and for dispatching to the said route, shall be finally decided by Marketing Section and the transporter is bound to follow the instruction / time table.
18. No appeal for enhancement of rate will be entertained during the contract period. Due to any reason if the transport service is stopped or paused by the transporter then the transporter has to pay the total transportation cost for any alternative arrangement made by the Milk Union and the security amount will be forfeited and suitable compensation will be imposed or liable to terminate the contract without assigning any reason to transporter.

19. The transporter will be liable to submit time to time all the necessary valid documents related to the vehicle such as legal permit, token, vehicle insurance, fitness certificate etc of the vehicle before engaging the vehicle.
20. After accepting the contract, if the transporter fails to engage the vehicle according to the work order, his/her security deposit will be forfeited and he/she will not be able to participate in any kind of tender for three years.
21. If the transporter quits the job during the contract period, the demurrage cost due to this, will be collected from the transporter and the security money will be forfeited and a suitable penalty will be imposed.
22. If any kind of doubt arises regarding the contract or its briefing, both parties can appeal to the arbitrator. In this case the arbitrator will be Chairman / Special Officer/ Managing Director of the Milk Union or any representative nominated by them.
23. If it is found that transporter /any staff of the transporter is involved /engaged in any kind of illegal activities then legal action will be taken accordingly and if any transporter /staff of the transporter misbehaves with any officials of the union, then the particular staff will have to be dismissed immediately.
24. The transporter will not carry any other items/goods than the materials provided by the Milk Union. If so, a suitable fine will be imposed to the transporter without assigning any reason, for each time or vehicle engagement letter may be canceled / terminated without assigning any reason.
25. If the dairy plant is required to be closed under any circumstances like shortage of power, strike, lock-out or any natural calamity and if the transportation service gets interrupted, the Union will not be liable to compensate any demurrage to the transporter.
26. This is completely a commercial contract, not for recruitment. No employee-employer relationship will be maintained between the transporter and the union. In addition to this the transporter has to follow the terms and conditions of the contract apart from this any instruction issued by the Milk Union will be followed by the Transporter.
27. If the service of the transporter is found not satisfactory and violating any of the terms and conditions of the contract, the Milk Union reserves the right to terminate / cancel his/her contract/engagement letter without any notice. Due to any reason if the service of the transporter is no more required then Milk Union will not be liable to pay any kind of demurrage to the Transporter for the respective day or for the stipulated time period.
28. The vehicle used by the transporter to transport milk and milk products should comply with the MV Act. In case of any kind of fine / penalty imposed, the amount shall be borne by the transporter.

29. No loading or unloading charges will be paid to the transporter. In addition to this, in case of sale enhancement of milk and milk product, the transporter will have bound to engage an extra vehicle at the same rate or at the rate as decided by the Union.
30. The transporter has to carry advertisement of Bhagirathi milk and milk products around the transporting vehicle provided by Milk Union.
31. The transporters of refrigerated vehicles should have to maintain within 2-4 degree temperature and for the transporters of the insulated vehicles have to maintain within + 5 degree temperature during the transit / delivery period of milk and milk products to the distributors in default penalty will imposed as decided by the Milk union. Transit Insurance and its cost shall be borne by the transporter.
32. Transporter must have to engage 1 helper along with driver for the engaged vehicle. Bhagirathi Milk Union will not be responsible for compliance of any kind of legal, statutory obligations for the staffs engaged by the transporter.
33. Door of the engaged vehicles will remain locked with seal mentioning number during transit. If any damage / tampering/ variation are found upon enlisted seal without valid reason, suitable penalty will be imposed and deducted from transport bill.
34. One selection, the contractor has to execute an agreement on Non-Judicial Stamp paper of Rs.100/-.
35. The transporter has to notify the Milk Union before 3 months if he/she wants to withdraw the service. Failure to do so shall invite penalty as decided by the milk union along with forfeiture of Security Deposit. But, Bhagirathi Milk Union may terminate / cancel the contract / engagement letter by giving one (1) one month prior notice to the transporter.
36. Considering the urgency, refrigerated vehicles may be used in insulated condition @ decreased rate of Rs.3/- per Km from the existing rate of the individual vehicle proportionately. Any kinds of objection in this regard from the transporters are not accepted.
37. If, the transporter is unable to provide the scheduled refrigerated vehicles on or for any day / days for milk consignment due to any reason, then minimum guaranteed km will be reduced for that day / days in that month, proportionately.
38. If required, tenure may be extended further, subject to the satisfactory performance, depending upon mutual consent of both the parties.
39. The transporter shall responsible to collect and return the challan (duly filled and signed by the distributor or his representative) as a token of acceptance of the milk & milk products along with all returnable containers (like Crates, Box etc.) in good condition to the designated official of the Dairy. Any shortage, pilferage, theft, loose or damaged caused to/of the containers / crates /

products during the process of transportation then loss amount shall be recovered from the Transporter. The amount of recovery will be:-

- A) Consumer price in case of milk and milk products.
- B) Cost price of Milk Crates and Insulated boxes.
- C) Cost price of packing materials along with fine as decided by the Milk Union.

We look forward to receiving your bids and thank you for your interest in this project.

Sd/-  
Managing Director  
The Bhagirathi Cooperative Milk  
Producers' Union Limited

Copy forwarded to:

- 1. E-Tender portal (Govt. of West Bengal ([www.wbtenders.gov.in](http://www.wbtenders.gov.in) )
- 2. MIS Officer, for publication in our Official Website ([www.bhagirathimilk.com](http://www.bhagirathimilk.com) )
- 3. Office Copy

**Encl:**

- 1. Technical Specification of Refrigerated Vehicles.

## Specification of Refrigerated Vehicles

Description	Technical Particulars
<b>Applications</b>	A refrigerated vehicle comprises of an insulated container body and a refrigeration unit to give the required temperature inside for the Milk product transportation.
<b>Temperature range</b>	(+) 2°C to 4°C
<b>Body Parameters</b>	
<b>Structure</b>	The Body comprises of outer and inner panels and an insulating material, the outer and inner panels should be of CR sheet/stainless steel. The insulated material should be Poly Urethane Foam (PUF) having minimum density of 30 Kg/cub. Meter and minimum 100 mm thick. Load bearing column should be of HR steel as per IS 1079 having pressed formed sections. Proper lightening should be provided inside the cabin and thermal insulated container. No fluorescent tube should used for lightening purpose.
<b>Outer panel – roof and side walls</b>	Minimum 1 mm CR sheet bonded with insulation
<b>Inner panel – side wall and ceiling</b>	Minimum 0.3 mm stainless steel bonded with minimum 6mm marine grade ply wood. All joints should be sealed with good quality sealants and fastened with SS screws.
<b>Floor</b>	Bottom most sheet should be minimum 0.6 mm GP sheet bonded with insulation. Upper layer should be of 12 mm (minimum) ply wood and top most layer of minimum 2 mm aluminum checkered plate.
<b>Door</b>	Two leaves with outer and inner panels and insulation matching with box. It should be completely air sealed with FRP section and suitable EPDM rubber profile.
<b>Door opening angle</b>	Minimum 270°
<b>Foam density</b>	Minimum PUF 30 Kg/m <sup>3</sup>
<b>Thickness of insulation</b>	Minimum 100 mm for side walls and 120 mm for roof and floor
<b>Insulation thermal conductivity</b>	Maximum 0.02 5w/m <sup>2</sup> K
<b>Hold Over Time</b>	The container should hold the inside temperature at least for <b>eight hrs</b> at the ambient temperature of 45°C when it is not opened.
<b>Refrigeration unit</b>	
<b>Unit installation</b>	The refrigeration unit is installed on the body above the cabin of the vehicle and gives a range of temperatures. The unit should be powered by self-propelled truck engine. It should have suitable sized compressor, evaporator and control switches along with voltage stabilizer.
<b>Temperature</b>	The temperature variation is from <b>+4 deg Celsius to + 2 deg Celsius</b>
<b>Temperature recording</b>	The temperature is digitally displayed and recorded by the use of <b>data-logger</b> with

	an accuracy of +/- 0.5°C. The sensor should be placed inside the Milk & Milk products chamber and the recording should be displayed in the cabin. It should be an electronic device placed in closed chamber of Milk, which records the Milk product temperature after loading of the Milk Product, during traveling till it is unloaded. The minimum capacity of storing the data in data logger should be of 7 days. It should be an alarm system and as soon as the Milk product temperature crosses the safe range alarm alerts the handlers.
<b>Stand by motor</b>	A single phase stand by motor with a extension lead of 20 meters should be provided which should be powered by external electricity source; this electric motor will drive the compressor to maintain internal temperature at the desired level during extended stops and for pre-cooling the Milk & Milk product chamber.
<b>Testing requirement</b>	
<b>Air tightness test</b>	This test should be carried out after all the structural tests have been completed and prior to the heat leakage test. The temperatures inside and outside the thermal container shall be stabilized within 3K of each other and shall be both be within the range 288 K to 298K.
<b>Heat Leakage test</b>	Heat leakage test should be determining the heat leakage of the thermal container shall be taken for a continuous period of not less than 8hrs, during which the following conditions shall be satisfied: a) The test shall be performed with a mean wall temperature chosen between 288 K and 298 K. b) A thermal mapping should be conducted for the Milk product storage chamber and the max. Temp. difference between the warmest and the coldest inside points at any one time should not be more than 1deg.C
<b>Certificates of testing</b>	All above mentioned test should be conducted through an approved laboratory by the Government of India and the equipment should be supplied along with the test certificates.

**Physical dimensions mentioned above in the specifications should be approximated to +/- 5% variation.**