



The Bhagirathi Co-operative Milk Producers' Union Limited

(A Govt. of West Bengal Project)

NOTICE INVITING E-REVERSE AUCTION

BU/MDO/RIDFXXIX/1878

Date: 17.02.2026

The Bhagirathi Cooperative Milk Producers' Union Limited Invites **E-Reverse Auction** in two bid system from accredited manufacturers, suppliers, authorized service providers for **Supply, Erection, Testing and Commissioning of an Ammonia Package Chiller System** to enhance the existing refrigeration capacity of the dairy chilling plant.

IMPORTANT DATE AND TIME SCHEDULE

Scope of Work	Supply, Erection, Testing and Commissioning of 1 no(s) Ammonia Package Chiller System <ul style="list-style-type: none">• The work shall include design, supply, installation, interconnection, testing, commissioning, and successful trial run of the Ammonia Package Chiller System as per the technical specifications mentioned in Annexure-A.• Training Program after Commissioning.
Bid Inviting Authority	The Managing Director of The Bhagirathi Cooperative Milk Producers' Union Limited
Estimated Cost of Work	45,00,000/-
EMD	90,000/-
Technical Bid Documents to be furnished by bidder	<ol style="list-style-type: none">1. Experience: Minimum 5 years in supply, installation, and commissioning of at least 5 no(s) industrial refrigeration or chiller systems. Credentials (Completion Certificate) in support of the same must be uploaded/submitted.2. Company Registration Documents (MOA, AOA, Enlistment Certificate).3. Valid PAN CARD & GST Registration Certificate.4. ISO Certification (9001/14001 or equivalent).5. Average Annual turnover of Rs 5 crore in the last 3 years (2021-2022), (2022-2023), (2023-2024). Audited Balance Sheet in support of the same must be uploaded.6. Income Tax Return of previous three consecutive financial years (2021-2022), (2022-2023), (2023-2024).7. Participating company must have sales & service office in West Bengal, India. Name and address of the same must be uploaded.8. Details of Technical Staff, Manufacturing Facilities, and After-Sales Service setup.



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	<p>9. Bidding Company/Firm must upload product catalogue with diagram, technical specification, prerequisites, output parameters, etc.</p> <p>10. The Company which are blacklisted by our organization, any organization or by NDDB are not eligible to bid otherwise, bid will not be accepted and EMD may be forfeited. Even an order issued to such a bidder may get cancelled.</p> <p>11. Declaration as per Annexure-B.</p>
Validity of Bid	365 days

General Terms & Conditions:

- Price:** Prices shall be quoted for complete work including equipment, erection, testing, commissioning, freight, transit insurance, packing, loading/unloading, local transportation, incidental charges and all applicable taxes and duties.
- Inspection of Equipment:**
 - Inspection after delivery:** After delivery, the Milk Union shall conduct joint inspection with the supplier's Engineer to verify whether goods have been delivered in good condition or not. Materials not delivered in good condition shall be rejected outright. Materials received in good condition shall be accepted and further procedure for release of payment shall be initiated.
 - Inspection after Installation:** Delivered Equipment shall be installed by the Supplier's Engineer. The Milk Union shall provide all necessary infrastructure for installation. The Installation & Commissioning has to be done by the Service Engineer to full satisfaction of the Dairy/Maintenance In-Charge along with supply of necessary spares, tools and tackles.
- Service Support:** Bidders should have local arrangement (within West Bengal) for prompt after sale service of the installed unit as and when required within warranty period free of cost. The service must be attended within 24 hours from the receipt of the information
- Installation & Commissioning:** the ordered item with all accessories must be completed within 90 days from the date of order. Trial – run of the whole unit will be done in presence of Milk Union's authorized personnel. Trial run report shall be submitted duly signed by the authorized personnel. Training of Operation & Maintenance to the operator will have to be imparted free of cost at the time of Commissioning & Trial run. Installation completion report shall be furnished by the Milk Union to the supplier after 10 days of observation of operation from trial run date.
- Training:** Comprehensive training shall be provided to operating personnel on maintenance, operation, and safety procedures.
- Warranty:** The system and all components shall carry a **12-month warranty** from the date of successful commissioning.



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7. **Maintenance:** Two number of preventive maintenance visits offered in a year during warranty period (Supply of all consumables is the buyer's responsibility). Timely Servicing / rectification of defects during warranty period after having been notified of the defects / service requirement during warranty period, supplier has to complete the required Service / rectification within 2 days' time limit. If the supplier fails to complete service / rectification with defined time limit, a penalty of Rs. 5000/- per day shall be charged as penalty for delay from the supplier. Supplier can deposit the penalty to the milk union directly else the milk union shall have the right to recover all such penalty amount from the Performance Bank Guarantee (PBG). Cumulative Penalty shall not exceed more than 10% of the total contract value after which the Milk Union shall have the right to get the service / rectification done from alternate sources at the risk and cost of the supplier besides forfeiture of PBG. Supplier shall be liable to re-imburse the cost of such service / rectification to the Milk Union.
8. **Place of Delivery, Installation & Commissioning:** The Bhagirathi Cooperative Milk Producers' Union Ltd. Feeder Dairy, Panchantala, Berhampore, Murshidabad, West Bengal, PIN – 742101.
9. **Payment:** Payment shall be released in 3 phases in NEFT/RTGS to the Bank Account of the supplier after submission of 3 copies of invoice along with documents mentioned in documentation clause which are as follows:
 - **First Phase:** 70% payment shall be released after receipt of the material in good condition. Transit Insurance shall be the responsibility of the supplier. Goods unless received by the Milk Union shall be the responsibility of the supplier and no claim in this regard shall be entertained. EMD shall also be released after receipt of an intimation in writing from the supplier after receipt of material in good condition.
 - **Second Phase:** 20% payment shall be released after 1 month of successful installation, commissioning, trial run of the entire Unit along with training of 4 personnels certified by the Concerned Official and approved by the Competent Authority.
 - **Third Phase:** 10% payment shall be released after 1 month of submission of equivalent amount bank guarantee valid for a period of 1 year which commences from the date of final commissioning. This shall serve as Performance Guarantee. In case the party fails to provide maintenance and support as per the requirement of the Milk Union or is found to act in a way which jeopardizes the operations of the Milk Union, the Performance Bank Guarantee shall be forfeited after giving a Notice to the supplier in writing and the supplier shall be debarred from participating into any tender in future.
10. **Penal Measure:** Time being the essence of the contract failure to supply the materials within due time or delay in installation and commissioning of the materials shall invite penalty.
 - i. Liquidated damages of 0.5% per day subject to a maximum of 10% of the total cost of materials shall be charged if goods are not delivered in time and the amount will be deducted from the Security Deposit and bills submitted by the supplier.
 - ii. For violation of any terms and conditions of the contract the Bhagirathi Milk Union reserves the right to cancel the contract without assigning any reason thereof. On termination of Contract the Security Deposit will be forfeited and the resultant loss shall be recovered from the company. The subsequent company will be blacklisted for 3 years.



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11. **EMD:** EMD of the lowest bidder shall be converted to Security Deposit and will be refunded after successful delivery of the equipment. EMD of unsuccessful bidders shall be refunded as per norms. EMD shall not carry interest.
12. **Mode of transportation:** The supply of the goods to our site will be arranged by the bidder.
13. **Loading and Unloading** and Transit insurance of the goods will be the responsibility of the bidder and no claim regarding this will be entertained.
14. **Documentation:** Supplier to submit the following documents at the time of delivery: 1. Commercial/E-Invoice. 2. E-Way bill 3. Packing List 4. Equipment Brochure comprising of Technical Specifications 5. Operating Manual 6. Maintenance Manual 7. Warranty Cards. 8. Acceptance Copy of Purchase Order/Award of Contract.
15. **Insurance:** The supplier shall make arrangements for insuring the goods against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery. If the equipment's is not commissioned and handed over to The Milk union within specified period, the insurance will have to be extended by the supplier at their cost till the successful installation, testing, commissioning and handing over of the goods to Milk Union.
16. **Packing:** The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Purchase Order.
17. **Standards:** The Goods supplied under this Agreement shall conform to the standards mentioned in the Technical Specifications and when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods' country of origin.
18. **Registration of Goods:** If required under the Applicable Law, goods supplied under the Agreement shall be registered for use in India
19. **Termination for Default:** The Purchaser, without prejudice to any other remedy for breach of the Agreement, by written notice of default sent to the Supplier, may terminate this Agreement in whole or in part:
 - a) If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Purchase Order, or within any extension thereof granted by the Purchaser; or
 - b) If the Goods do not meet the Technical Specifications or registration requirement (if any) stated in the Agreement; or
 - c) If the Supplier, in the judgment of the Purchaser has engaged in fraud and corruption, in competing for or in executing the Agreement; or
 - d) If the Supplier fails to perform any other obligation(s) under the Agreement.
20. **Force Majeure:** If, at any time during the subsistence of this contract, the performance in whole or in part by either party of any obligation under this contract is prevented or delayed by reasons of any war or hostility, act of public enemy, civil commotion, sabotage, fire, floods, explosion, epidemics, quarantine restriction, strikers lockout or act of God (hereinafter referred



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to as events) provided notice of happening of any such eventuality is given by party to other within 21 days from the date of occurrence thereof, neither party shall by reason of such event be entitled to terminate this contract nor shall either party have any claim for damages against other in respect of such non-performance or delay in performance, and deliveries have been so resumed or not shall be final and conclusive.

21. **Termination for Insolvency:** The Purchaser may at any time terminate the Agreement by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent.
22. **Termination for Convenience:** The Purchaser, by written notice sent to the Supplier, may terminate the Agreement or the Purchase Order, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Agreement or Purchase Order is terminated, and the date upon which such termination becomes effective. The Goods that are already supplied before the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the terms and prices described in the Agreement and the Purchaser order.
23. **Dispute Resolution** Any dispute arising out of the Agreement, which cannot be amicably settled between the parties, shall be referred to adjudication/arbitration in accordance with the Arbitration and Conciliation Act of 1996 of India. The venue of adjudication/arbitration shall be Kolkata. The language of arbitration shall be English.
24. **Applicable Law:** The Agreement shall be interpreted in accordance with the laws of Union of India.
25. The Milk Union reserves the right to accept or reject any or all tenders or cancel the tender process without assigning any reason whatsoever.

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



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Annexure-A

TECHNICAL SPECIFICATIONS

Application

The system shall be used to pre-chill process water before the Ice Bank Tank (IBT) to enhance the refrigeration capacity of the dairy chilling plant.

Performance: Designed for chilling plant of 1,20,000 LPD capacity with 10 KL chiller, optimized for energy efficiency and reliability.

REFRIGERATION SYSTEM

Function	Pre-chill the water before Ice Bank Tank to increase the Refrigeration Capacity	
Refrigeration Compressor	Kirloskar make ammonia refrigeration compressor Model KCX -2 giving capacity of 58 TR while operation at evaporating temp. of +5 Deg.c. and condensing temp. of + 40 Deg.C. while consuming 60 HP at shaft. (1 Nos)	
Compressor Accessories	<ul style="list-style-type: none"> • HP / LP / OP gauges and cutouts. • Suction and discharge stop valves. • Drive set, base frame of compressor. • Oil separator with float & oil return, drain arrangements. • Compressor & motor belt guard. 	
Electric Motor	Crompton / Kirloskar / or equivalent make 60 HP TEFC 4 pole electric motor operating at 415 volts 3 phase AC supply.	
Evaporative Condenser	Description	Technical
	Heat rejection Capacity	75 TR
	Condensing temperature (°C)	38
	Ambient Wet bulb temperature (°C)	28
	Total Estd. Airflow Rate CFM	11280
	Fan X Motor	24" X 0.75 KW X 2 Nos.
	Total Water flow Rate LPS at 10 Mtr. Head.	19
	MOC of Evaporative condenser coil.	SS- 304 (19 MM OD X 1.2 MM).
	Enclosure	Made of GI Powder Coated with 1.2 mm Sheet.
	Main Structure	Hot Dip Galvanized.
Chilled Water	Size of Evaporative Condenser- Approx.	1.7 L X 0.95 X 3. Mtr. High.
	Coil test pressure kg/cm ²	22.5
	Water Tank / Sump	Made up of SS-304 X 2mm
	Water Pump- KDS- 116	1HP (3 Phase)
Cooling water pipes and fittings to interconnect condenser water pump and condenser as well as compressor jacket cooling in G. I.'B' class pipe with necessary valves, strainer and pipe fittings.		



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Ammonia Liquid Receiver	Ammonia liquid receiver capacity 1000 Ltrs complete with following accessories. <ul style="list-style-type: none"> • Safety Valve • Purge Valve • Level Gauge • Pressure Gauge • Liquid Inlet & Outlet Valve
Ammonia Pre Chiller	65 TR Ammonia Pre-Chiller is design to chill the incoming water temperature from the process and pass to the ice bank tank to increase the Capacity of refrigeration system. Alfa Laval Make pre-chiller comes with suitable size accumulator with all necessary accessories
Refrigeration Control	Refrigeration controls comprising of <ul style="list-style-type: none"> • Electronic Level Controller with Float Valve • Ammonia Solenoid Valve • Hand Expansion Valve • Temp. Gauge for I.B.T.
M. S. Pipes & Fittings	M. S. 'C' class pipes & fittings to interconnect all refrigeration equipment with required ammonia valve based on compact layout.
Structural Materials:	One lot of structural material for support, base frame, and complete painting of plant and machinery etc.
First Charge	First charge of ammonia and compressor oil
Electrical Connected Load	72.5 HP

ELECTRICAL SYSTEM

A. MCC CONTROL PANEL

Function	To control (ON-OFF) all equipment & machinery which is having electrical connection with necessary interlocking & safety arrangement
Type	Wall Mounted
Material Construction	CRCA sheet powder coated
Electrical hardware makes	Siemens / L & T
Incoming Electrical Fittings/Accessories	R.Y.B. indication lamp, voltmeter, Amme meter, selector switch, incoming SFU.
Outgoing Electrical Fittings/Accessories	As per rating MCB, contractor, relay, terminal box & wiring, ON-OFF push button.
Digital Display	Cold Room Temp Controller as well as Raw Milk, Pasteurized milk & chilled Milk temp indicator.

B. ELECTRICAL CONTROL CABLE

Function	To interconnect all machineries from MCC control panel
Material Construction	4 Core, Copper Flexible cable including earthing
Cable Make	Polycab /Finolex Any Reputed as approved by the Milk Union
Other Electrical accessories	GI Support, Cable tray, PVC Conduit pipe, Clamps, Cable Glands etc.
Earthing	The bidder shall provide all necessary materials and execute complete earthing works as per IS Code and Local Electricity Board regulations, including testing and documentation.



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PLANT INSTALLATION AND COMMISSIONING

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Installation of the Machineries	All machinery and equipment will be installed in accordance with the final approved Equipment Layout Drawing
Installation of Pipeline and support	The scope of work includes installing and connecting all interconnecting pipes (Copper, Stainless Steel SS), Mild Steel (MS), and Galvanized Iron (GI) to all machinery and equipment, as per the approved Equipment Layout
Insulation	The scope of work includes Insulation work for Chilled Water, Hot water & Refrigeration Suction line.
Electrical Cabling	The final approved Equipment Layout Drawing, all equipment and machinery shall be electrically interconnected.
Testing	All machinery and equipment will be tested after successful installation. Additionally, all pipelines will undergo leak testing under operating pressure. Comprehensive testing will be conducted to ensure readiness before plant startup.
Commissioning	After satisfactory completion of testing and inspection of the plant and pipelines, witnessed and approved by your expert engineers and our representatives, the plant will be commissioned and handed over for commercial production to the Milk Union.
Training for Plant Operator	Comprehensive training to all plant operators to ensure they achieve full competency in the safe, efficient, and regulatory-compliant operation and maintenance of the milk dairy facility.

Sd/-

Managing Director
The Bhagirathi Cooperative
Milk Producers' Union Limited



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Annexure-B

DECLARATION

(To be furnished in the letter head of the bidder)

1. I/We the undersigned solemnly declare that all the statements made in the documents, records etc., attached with this application are true and correct to the best of my/our knowledge.
2. I/We the undersigned do hereby certify that neither my/our firm/company nor any of its constituent partners have abandoned any work/works of similar nature and magnitude in India, in the past.
3. I/We the undersigned do hereby certify that any of the contracts awarded to me/us has not been terminated rescinded, due to breach of contract on my/our part in the past.
4. I/We the undersigned do hereby certify that we have not been blacklisted by NDDB or any dairy industry or any other industry in the past.
5. I/We the undersigned do hereby certify that the goods to be supplied against the Contract shall be original and genuine. We further declare that no refurbished component or spare shall be supplied.
6. I/We the undersigned authorize (s) and request any bank / person / firm / corporation / Government Departments to furnish pertinent information deemed necessary and requested by The Bhagirathi Cooperative Milk Producers' Union Ltd. to verify the statement made by me/us or to assess my/our competence and general reputation.
7. I/We the undersigned, understand(s) that further qualifying information / clarifications on the statement made by me / us may be requested by The Bhagirathi Cooperative Milk Producers' Union Ltd and agree(s) to furnish such information/clarification within SEVEN Days from the date of receipt of such request from The Bhagirathi Cooperative Milk Producers' Union Ltd.
8. I/We agreed to abide by the terms and conditions of the Reverse Auction Notice.

Dated Signature of Applicant with Seal:

To be signed by the officer authorized
by the Firm/Company to sign on behalf,
the Firm/Company with company's seal)

Note: In case of sole proprietary concern, declaration should be signed only by the sole proprietor.