



# The Bhagirathi Cooperative Milk Producers' Union Limited

(A Govt. of West Bengal Project)

BU/MDO/RIDFXXIX/1183

Date: 07.10.2026

**Scope of Work:** Supply, safe delivery to site, structural installation, precision alignment, pressure testing, evacuation, pre-commissioning, and final handover of an Air-Cooled Kirloskar KCX2 compressor package. Unlike standard water-cooled configurations, this system relies entirely on ambient forced-air cooling, requiring heavy-duty deep-finned heads, a highly resilient forced lubrication oil cooler network, and a dedicated radiator fan module assembly to ensure continuous high-efficiency operation under peak thermal loads.

**Technical Specification:** Annexure-I

**Estimated Cost:** Rs.15,00,000/- inclusive of all taxes.

**EMD:** Rs. 30,000/- to be deposited in the Escrow account of the bidder.

**Bid Inviting Authority:** The Managing Director of The Bhagirathi Cooperative Milk Producers' Union Limited.

## Technical Bid Documents to be furnished by bidder

1. Bidder must be OEM or authorized service provider of OEM. Authorized Suppliers or Service Providers of OEM can also participate subject to approval from OEM against the Tender Notice. The authorization certificates should be valid on the last date of submission of bid and should remain valid during the tenure of the contract period if work is awarded.
2. Bidding firm/company must upload document pertaining to constitution of company like MOA, AOA/Partnership deed, trade license, staff strength, qualification etc.
3. Bidding firm must possess minimum turnover of Rs 1 crore in last 3 financial years (2022-2023), (2023-2024) and (2024-2025). Audited Balance Sheet of previous three consecutive financial years (2022-2023), (2023-2024) and (2024-2025) must be uploaded.
4. Income Tax Return of previous three consecutive financial years (2023-2024) (2024-2025) and (2025-2026).
5. Participating company must have sales & service facility available in West Bengal, India. Name and address of the same must be uploaded.
6. PAN CARD and GSTIN (GST Registration Certificate)
7. Bidding Company/Firm must upload product catalogue with diagram, technical specification, prerequisites, output parameters, etc.
8. Declaration to be filled in letterhead of participating bidder as per **ANNEXURE-II**.

## General Terms and conditions:

1. Price to be quoted shall consist of cost of equipment along with 1 year of onsite comprehensive maintenance, inclusive of all taxes and levies, transit insurance, freight, packing, loading,



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unloading, installation, commissioning and any other incidental charges. Kindly note that all costs should be taken into consideration while quoting the rates.

2. Inspection of materials may be undertaken at the supplier's premises whenever necessary by the Tendering Authority/ any officer authorized by the undersigned.
3. Bidders should have local arrangements for prompt after sales service of the installed unit as and when required within warranty period free of cost. The service must be attended within 24 hours from receipt of the information and service must be completed within 36-48 hours.
4. Supply, installation & commissioning of the ordered item with all accessories must be completed within 30 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.
5. **Place of Delivery, Installation and Commissioning:** Kandi Chilling Plant (A Chilling Unit of The Bhagirathi Cooperative Milk Producers' Union Ltd.), Kandi, Murshidabad
6. **Payment:** Tax invoices for all supplies shall be in TRIPLICATE and should invariably be submitted along with supply documents (Packing list, Challan, e-waybill, manuals, drawings etc).
  - I. 80% payment shall be released in NEFT/RTGS in the Bank Account of the supplier on receipt of acknowledged copy of challan/Invoice etc. of the whole unit in good condition at the specified site duly certified by the Sectional Head.
  - II. 10% payment will be released after successful Installation, Commissioning, Testing, Trial run and Training of the whole unit duly certified by the official of Union.
  - III. Balance 10% will be released after submission of equivalent amount of performance bank guarantee valid for 1 year from the date of final commissioning. In case the performance of the Unit does not adhere to the desired performance the Performance Guarantee shall be forfeited.
7. **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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8. Mode of transportation for the supply of the goods to our site will be arranged by the bidder.
9. Materials dispatched from the bidder until they reach the Milk Union is the sole responsibility of the bidder. The Milk Union will not be responsible for any damage in transit, loading or unloading no claim in this regard will be entertained.
10. Loading and Unloading and Transit insurance of the goods will be responsibility of the bidder and no claim regarding this will be entertained.
11. **Documentation:** The supplier shall submit the following documents at the time of delivery: Commercial/E-Invoice, E-Way bill, Packing List, Operating Manual, Warranty Card and Order Acceptance Copy.
12. **Warranty:** All the spares and components listed above must be warranted by the supplier for a period of 1 year from the date of installation. If any component is found to be non-functional due to any manufacturing defect or because of poor workmanship the component must be immediately replaced with a new component by the supplier within 24 hours. In case the replacement is likely to take a longer period then the supplier must arrange for a substitute within 24 hours.
13. **Warrant Extension:** The warranty for equipment would be extended if equipment remains down during the warranty period, for more than period mentioned below:
  - I. If equipment has been down for more than 10 days in a year, warranty would be extended by one month.
  - II. If the equipment is down for more than 30 days due to malfunctioning of any part supplied by bidder or want of spare/consumable warranty it would be extended by one year.
  - III. If the equipment has been down for more than one year due to malfunctioning of any part supplied by bidder or want of spares/ consumable, warranty would be extended by 1 year.
14. **Packing:** The supplier shall provide such packaging of goods as is required to prevent their damage or deterioration during transit to their destination, as indicated in the Purchase order.
15. **Termination for Default:** the Purchaser, without prejudice to any remedy for breach of Agreement, by written notice of default sent to the supplier, may terminate this Agreement in whole or in part:
  - I. 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



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- II. If the Goods do not meet the Technical Specifications or registration requirements (if any) stated in the Agreement; or
  - III. If the Supplier, in the judgment of the Purchaser has engaged in fraud and corruption, in competing for or in executing the Agreement; or
  - IV. If the supplier fails to perform any other obligation(s) under the Agreement.
16. **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.
17. **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.
18. **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.
19. **Applicable law:** the Agreement shall be in accordance with the laws of union of India.
20. **Force Majeure:** if, at any time during the subsistence of this contract, the performance in whole or in part by either party of 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 to as events) neither party shall have any claim for damages against other in respect of such non-performance or delay in performance.
21. The undersigned reserves the right to accept or reject any tenders and cancel the entire tender process without assigning any reason whatsoever.

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



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## ANNEXURE-I

### Technical Specification:

| Technical Parameter         | Air-Cooled Specification / Requirement                                                                  |
|-----------------------------|---------------------------------------------------------------------------------------------------------|
| Compressor Model            | Genuine Kirloskar KCX2 (Open-Type Single-Stage Reciprocating)                                           |
| Cooling Type                | Air-Cooled (Deep-finned cylinder heads & blocks for standalone heat dissipation)                        |
| Number of Cylinders         | 2 Cylinders (Inline / V Configuration)                                                                  |
| Swept Volume / Displacement | 265.4 m <sup>3</sup> /hr at 1,000 RPM (Permissible range: 400 to 1,000 RPM)                             |
| Bore & Stroke               | 160 mm × 110 mm                                                                                         |
| Refrigerant Compatibility   | Ammonia (R-717), R-22, R-134a, or specified eco-friendly HFCs                                           |
| Oil Cooling System          | Forced air-cooled structural radiator oil cooler loop paired with forced gear-pump lubrication          |
| Prime Mover                 | 50 HP to 75 HP, 3-Phase, 415V, 50Hz, TEFC, IP55 energy-efficient electric motor                         |
| Drive Mechanism             | V-Belt driven layout featuring dynamically balanced flywheel, motor pulley, and robust mesh belt guard  |
| Safety Control Interlocks   | Integrated automated High Pressure (HP), Low Pressure (LP), and Oil Pressure Differential (OP) cut-outs |

| Item | Component / Work Description                                                                                                        | Qty | Unit |
|------|-------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 1.1  | Air-Cooled Kirloskar KCX2 bare compressor block (complete with deep-finned heads, suction/discharge valves, oil pump, and flywheel) | 1   | Unit |
| 1.2  | External Air-Cooled Radiator / Oil Cooler module with dedicated electric fan assembly for forced convection loop                    | 1   | Set  |
| 1.3  | 60 HP, 3-Phase, 415V, 1440 RPM high-efficiency electric motor (IE3 rated)                                                           | 1   | Unit |
| 1.4  | Heavy-duty MS structural common base frame engineered for air-cooled alignment vibration limits                                     | 1   | Set  |
| 1.5  | V-Belts, balanced motor pulley, and dynamic structural steel mesh belt guard                                                        | 1   | Set  |



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|     |                                                                                                                         |   |      |
|-----|-------------------------------------------------------------------------------------------------------------------------|---|------|
| 2.1 | Star-Delta electric starter control panel with integrated single-phasing, under-voltage, and overload relays            | 1 | Unit |
| 2.2 | Safety Instrumentation Package (Dual HP/LP mechanical cut-out switches & Oil Pressure differential controller)          | 1 | Set  |
| 2.3 | Heavy-duty armored copper cabling (Panel to Motor & Fan Module) with heavy flexible conduits                            | 1 | Lot  |
| 3.1 | Interconnecting seamless MS Piping (Sch 40) for refrigerant and oil cooler lines, companion flanges, and heavy hardware | 1 | Lot  |
| 3.2 | Initial charge of factory-recommended premium high-thermal synthetic refrigeration lubrication oil (30 Liters)          | 1 | Lot  |
| 4.1 | Civil foundation evaluation, structural grouting, and heavy anti-vibration pad placement                                | 1 | Job  |
| 4.2 | Precision laser/dial-gauge alignment of the air-cooled compressor-motor assembly on the base frame                      | 1 | Job  |
| 4.3 | Nitrogen pressure leak testing, complete system evacuation, vacuum hold validation, and initial gas charging assistance | 1 | Job  |
| 4.4 | 48-hour continuous operational test run, logs charting, and thermal-imaging handover testing                            | 1 | Job  |



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## **ANNEXURE-II**

### **DECLARATION TO BE FURNISHED IN LETTERHEAD OF BIDDING ORGANIZATION**

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 has been blacklisted by any Milk Union, Milk Federation or NDDDB in the past.
3. I/We the undersigned do hereby certify that we have understood the terms and conditions and shall unconditionally comply to the terms and conditions of the Tender/Reverse Tender document.
4. 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.
5. 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.
6. I/We agreed to unconditionally abide by the terms and conditions of this 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)