



## The Bhagirathi Co-operative Milk Producers' Union Limited

(A Govt. of West Bengal Project)

BU/DAIRY/PM/1546

Date: 23.12.2025

**Reverse Auction Notice for Expansion of Fermented Milk Production (Turnkey Project) at Bhagirathi Cooperative Milk Producers' Union Limited.**

### Scope of Work

Supply, installation and commissioning of **Incubation Room, Blast Cooling Room and Cold Room** for expansion of fermented milk (Dahi / Curd and Lassi) production capacity including **civil, electrical and mechanical works**, on turnkey basis at the premises of The Bhagirathi Cooperative Milk Producers' Union Limited.

**Estimated Cost of Work: Rs. 95,00,000/-**

**EMD: Rs. 1,90,000/-**

**Technical Specification: Annexure-A**

**Bid validity: 365 days**

### Eligibility Criteria of Bidder

The following documents shall be furnished by the bidder:

1. Company Documents like MOA & AOA and enlistment certificate.
2. Minimum 5 no(s) of supply, installation and commissioning of Dairy Plants/Production Plants/Cold Stores/Sub-Zero Cold Stores / Blast Rooms / Cold Rooms or similar refrigeration projects in last **5 years**. Credentials (Work Order / Completion Certificate) must be uploaded/submitted.
3. Valid **GST Registration Certificate** and **PAN Card**.
4. Minimum **average annual turnover of Rs. 4 Crore** during the last three financial years (2022-23, 2023-24, 2024-25). Audited Balance Sheets to be submitted.
5. **Declaration / Affidavit** as per **Annexure-B**.

### Terms and Conditions

1. The work shall be executed on **turnkey basis**, including design, supply, fabrication, installation, testing and commissioning of Incubation Room, Blast Room and Cold Room along with all civil, electrical and mechanical works.
2. The bidders are required to inspect the site and satisfy himself about site conditions, layout, space availability, electrical power, water supply and other constraints before participation in the Reverse Auctions. The site inspection has to be carried out by the bidders at their own cost.
3. All materials, equipment and accessories supplied shall be in compliance to the technical specifications and from reputed manufacturers conforming to relevant BIS / IS / food safety standards.



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4. All necessary civil works, including foundations, floor insulation and base preparation, shall be in the scope of the supplier.
5. All statutory compliances related to labour laws, safety regulations, GST, insurance and other applicable compliances must be strictly followed by the supplier. Any liability arising out of non-compliance shall be borne by the bidder.
6. The supplier shall provide all necessary tools, tackles, consumables and manpower required for completion of the work within the stipulated time.
7. Any damage caused to existing buildings, utilities or installations during execution of work shall be made good by the supplier at his own cost failure to which shall lead to the imposition of penalty and recovery of the loss from the EMD and bills of the supplier.
8. The installation shall be carried out in a hygienic manner suitable for dairy and food processing environment, ensuring no contamination risk to ongoing plant operations.
9. The supplier shall ensure proper earthing, safety interlocks and electrical protections for all equipment supplied.
10. The bidder shall provide operation & maintenance manuals, wiring diagrams, refrigeration circuit diagrams and warranty certificates at the time of commissioning.
11. Training on operation and routine maintenance shall be imparted to Union personnel free of cost at the time of commissioning.
12. No subletting or assignment of the contract shall be allowed. Subletting shall lead to cancellation of the Contract and forfeiture of EMD.
13. Inspection of materials may be undertaken at the supplier's premises whenever necessary by the Purchasing Authority or any officer authorized by the undersigned.
14. Price to be quoted shall consist of cost of all components, (civil mechanical and electrical) inclusive of all taxes and levies, transit insurance, freight, packing, loading, unloading and any other incidental charges. Kindly note that all cost should be taken into consideration while quoting the rates.
15. Warranty period shall be **twelve months** from the date of successful commissioning. Warranty certificates, operation manuals and technical documents must be submitted after commissioning.
16. Supply, installation and commissioning of the complete system with all accessories must be completed within **60-90 days** from the date of acceptance of the Work Order. Trial run shall be conducted in presence of authorized personnel of the Milk Union and a duly signed trial-run report shall be submitted. Training on operation and maintenance shall be imparted free of cost.
17. The bidder must have **local service arrangement within West Bengal** for prompt after-sales service during the warranty period. Service calls must be attended within **24 hours**.



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18. After sales service should be available on 24 (hrs.) X 7 (days) X 365 (days) basis. Complaints should be attended properly, maximum within 24 hrs. to ensure an uptime of minimum 95%, wherever applicable, failing which the necessary penalty measures shall be enforced.
19. Breakdown service must be provided within **24 hours** of complaint.
20. 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 Bhagirathi Co- Operative Milk Producers Union Ltd. 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 the The Bhagirathi Co-Operative Milk Producers Union Ltd.
21. **Penal Measures:** Time being the essence of the contract failure to supply the materials within due time, delay in supply, installation and commissioning or provide preventive or corrective maintenance shall invite penalty as follows
  - Liquidated damages of 0.5% of the AOC(Award of Contract) value per day subject to a maximum of 10% of the AOC value shall be charged if goods and services are not delivered/rendered in time and the amount will be deducted from the EMD and bills submitted by the supplier.
  - 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 EMD will be forfeited and the resultant loss shall be recovered from the company. The subsequent company will be blacklisted for 3 years.
22. **Place of Delivery, Installation and Commissioning:** The Bhagirathi Cooperative Milk Producers' Union Ltd., Feeder Dairy, Panchantala, Berhampore, Murshidabad – 742101, West Bengal.
23. Conditional and incomplete tender will not be entertained. Violation of one or more clause will result in rejection of the tender
24. The accepting authority (The Bhagirathi Cooperative Milk Producers' Union Ltd.) reserves the right to reject any or all the tenders without assigning any reason whatsoever and will not be bound to accept either the lowest tender or any of the tenders.
25. Mode of transportation for the supply of the goods to our site will be arranged by the bidder
26. Materials dispatched from the bidder until or unless reaches the Place of Delivery is the sole responsibility of the bidder. The Milk Union will not be responsible for any damage in transit, loading or unloading and no claim in this regard will be entertained.
27. Loading and Unloading and Transit insurance of the goods will be the responsibility of the bidder and no claim regarding this will be entertained.
28. Complete documentation like principal warranty papers, operation manuals, technical specifications and guarantee cards must be furnished by the supplier.



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29. **Payment:** Tax Invoice against all supplies is/are to be sent in TRIPLICATE and should invariably be submitted along with supply documents (Packing list, Challan, e-waybill etc).
- 70% 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.
  - 20% payment will be released after successful Installation, Commissioning, Testing, Trial run and Training of the whole unit duly certified by the official of Union.
  - Balance 10% will be released after 1 year. This shall serve as Performance Guarantee. The supplier may also submit equivalent amount of Bank Guarantee valid from the date of final run to a period not less than 365 days. In case the performance of the Unit does not adhere to the desired performance the Performance Guarantee shall be forfeited.
30. Taxes will be deducted as per Govt. norms.
31. **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 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.
32. **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 Murshidabad. The language of arbitration shall be English.
33. **Applicable Law:** The Agreement shall be interpreted in accordance with the laws of Union of India.
34. The decision of the Managing Director, The Bhagirathi Cooperative Milk Producers' Union Limited, shall be final and binding on all matters relating to interpretation of tender conditions.
35. The Managing Director of the Milk Union may cancel the entire Reverse Auction at any point of time without assigning any reason thereof.

Sd/-

**Managing Director**  
The Bhagirathi Cooperative Milk  
Producers' Union Limited



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### ANNEXURE–A

#### TECHNICAL SPECIFICATIONS

#### EXPANSION OF FERMENTED MILK PRODUCTION CAPACITY – INCUBATION ROOM, BLAST COOLING ROOM & COLD ROOM

##### A. Curd/Dahi Cold Storage

Parameter	Specification
Size	8.25 m × 4.58 m × 3.00 m at +4 °C
Function	Cool down cold room from 20 °C to 4 °C with automatic temperature controller cutoff
Refrigeration Tonnage	4.5 TR × 2 = 9 TR at –5 °C evaporation & +54 °C condensation
Compressor& make	Scroll compressor, Danfoss make (2 Nos.)
Suction Line Accumulator	Danfoss make suction line accumulator with suitable capacity for compressor. (2 Nos.)
Air Cooled Condenser	Oversized copper condenser with sufficient aluminum fins per inch with three no(s) fan having sufficient CFM(2 Nos.)
Refrigeration Controls	Thermostatic expansion valve, HP & LP cutouts, gauges, solenoid valve, sight glass, filter, charging valves & isolation valves etc, Danfoss (2 Lots)
Air Cooled Unit	A 4.5 TR capacity air-cooled unit, consisting of an evaporative coil and three fans, is fully enclosed with SS 304 sheet and equipped with a drain pan for water discharge. The unit operates at a room temperature of +4 °C and is ceiling-mounted with suitable structural support (2 Nos.)
Copper Pipes & Fittings	Copper pipes, elbows, reducers, and other fittings are provided to interconnect all refrigeration equipment. (1 Lot)
First Charge Refrigerant	First charge R-407C (1 Lot)
Cold Room Insulation	The cold room insulation consists of prefabricated PUF panels with a thickness of 80 mm, both sides powder-coated GI sheets, complete with hardware, fittings, and necessary accessories. The PUF has a density of 38–40 kg/cm <sup>2</sup> (1 Lot)



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Parameter	Specification
Main Door	Insulated main door of size <b>6 ft × 3 ft</b> , constructed with 80 mm PUF insulation and both sides clad in GI powder-coated sheets, is provided with a SS push rod, heavy-duty hinges, and latches (1 No.)
Electrical Connected Load	26 HP

### B. Blast Freezer for Curd/Dahi

Parameter	Specification
Size	4.58 m × 4.58 m × 3.00 m
Function	Cool down Dahi from 45 °C to 20 °C with automatic controller
Refrigeration Tonnage	6.5 TR × 2 = 13 TR at –5 °C evaporation & +54 °C condensation
Compressor & make	Scroll compressor, Bitzer make (2 Nos.)
Suction Line Accumulator	A Bitzer make suction line accumulator of suitable capacity is provided for the compressor (2 Nos.)
Air Cooled Condenser	Oversized copper condenser with aluminum fins, 3 fans, sufficient CFM (2 Nos.)
Refrigeration Controls	Thermostatic expansion valve, HP & LP cutouts, HP & LP gauges, Solenoid valve, sight glass, driver/filter, charging valves & Isolation valves etc Danfoss make (2 Nos.)
Air Cooled Unit	6.5 TR capacity air-cooled unit, consisting of an evaporative coil and two fans, is fully enclosed with SS 304 sheet and equipped with a drain pan for water discharge; the unit operates at +4 °C room temperature and is ceiling-mounted with suitable structural support (2 Nos.)
Copper Pipes & Fittings	Copper pipes, Elbows, reducer etc. to interconnecting all refrigeration equipment. (2 Nos.)
First Charge Refrigerant	First charge 407 C gas for commissioning (2 Nos.)



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Parameter	Specification
<b>Cold Room Insulation</b>	old room insulation material consisting of prefabricated PUF panels, 100 mm thick, with both sides powder-coated GI sheets, complete with hardware, fittings, and necessary accessories; the PUF density will be 38–40 kg/cm <sup>2</sup> (1 Lot)
<b>Main Door</b>	Insulated main door of size 6 ft × 3 ft, constructed with 100 mm PUF insulation and both sides clad in GI powder-coated sheets, is provided with a stainless steel push rod, heavy-duty hinges, and latches (1 No.)
<b>Electrical Connected Load</b>	46 HP

### C. Curd/Dahi Incubation Room

Parameter	Specification
<b>Size</b>	4.83 m × 5.08 m × 3.00 m
<b>Function</b>	The incubation room temperature is maintained constantly at +45 °C with an automatic temperature controller cutoff system
<b>Electrical Heater Capacity</b>	1 Heater 750 Watt X 6 Nos. = 4.5 KWatt ( For 1 Unit) 0.75 H.P. X 2 Nos. Fan = 1.5 HP (For 1 Unit) (2 Set)
<b>Air Heating Unit</b>	4.5 KW capacity Air heating Unit consisting Electrical heater, two nos fan, totally enclosed with CRCA powder coated sheet, Air-Heating unit is operated on +45 Deg.C. room temp (2 Sets)
<b>Insulation</b>	Cold room insulation material consisting Pre-fabricated PUF Panel, having thickness 60 mm with both side powder coated CRCA sheet along with hardware, fittings and necessary accessories
<b>Main Door</b>	6 ft × 3 ft insulated door, 60 mm PUF, SS sheet, SS latches & heavy-duty hinges
<b>Electrical Connected Load</b>	7.5 HP × 2 = 15 HP

### Structural & Supports (01 LOT)

Parameter	Specification
<b>Function</b>	Support cold room, blast room & incubation room



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Parameter	Specification
Material	MS channel, angle, flanges, anchor fasteners
Make	Any reputed

### D. Electrical Section

- MCC Control Panel (01 NO)

Parameter	Specification
Function	To control (ON-OFF) all equipment & machinery which is having electrical connection with necessary interlocking & safety arrangement
Type	Wall mounted
Material	CRCA sheet, powder-coated
Hardware	Siemens / L&T
Incoming Electrical Fittings/Accessories.	R.Y.B. indication lamp, voltmeter, ammeter, selector switch, incoming LPS/ MCCB
Outgoing Electrical Fittings/Accessories.	As per rating MCB, contractor, relay, terminal box & wiring, ON-OFF push button.
Digital Display	Cold room temp, Controller raw milk, pasteurized milk, chilled milk indicators
Make	Eskimo

- Electrical Control Cable (01 LOT)

Parameter	Specification
Function	To interconnect Our machineries from MCC control panel
Material	4-core copper flexible cable including with earthing
Accessories	GI support, cable tray, PVC conduit, clamps, glands etc
Make	Polycab / Any reputed

**Total Electrical Load Required: 87 HP**





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### CIVIL WORKS FOR INCUBATION, BLAST & COLD ROOMS

All the necessary civil works for construction of Base for installation of Curd Incubation room, Curd Blast Room and Curd Cold Room has to be carried out with proper floor insulation works as per given layout as annexed.

Activity	Description
Equipment Erection	All equipment installation properly as per layout.
Interconnecting Piping	Copper piping to mechanically interconnect as per diagram submitted.
Insulation	Refrigeration suction line.
Electrical Cabling	Electrically interconnect all equipment & machinery (as per scope of work) from control panel with earthing.
Testing	Vacuum testing for cold storage; pressure testing for cold storage.
Commissioning	Cold room commissioning as per scope of work and performance.

**Note:** All equipment and accessories shall be of reputed make and shall comply with applicable dairy and food safety standards.

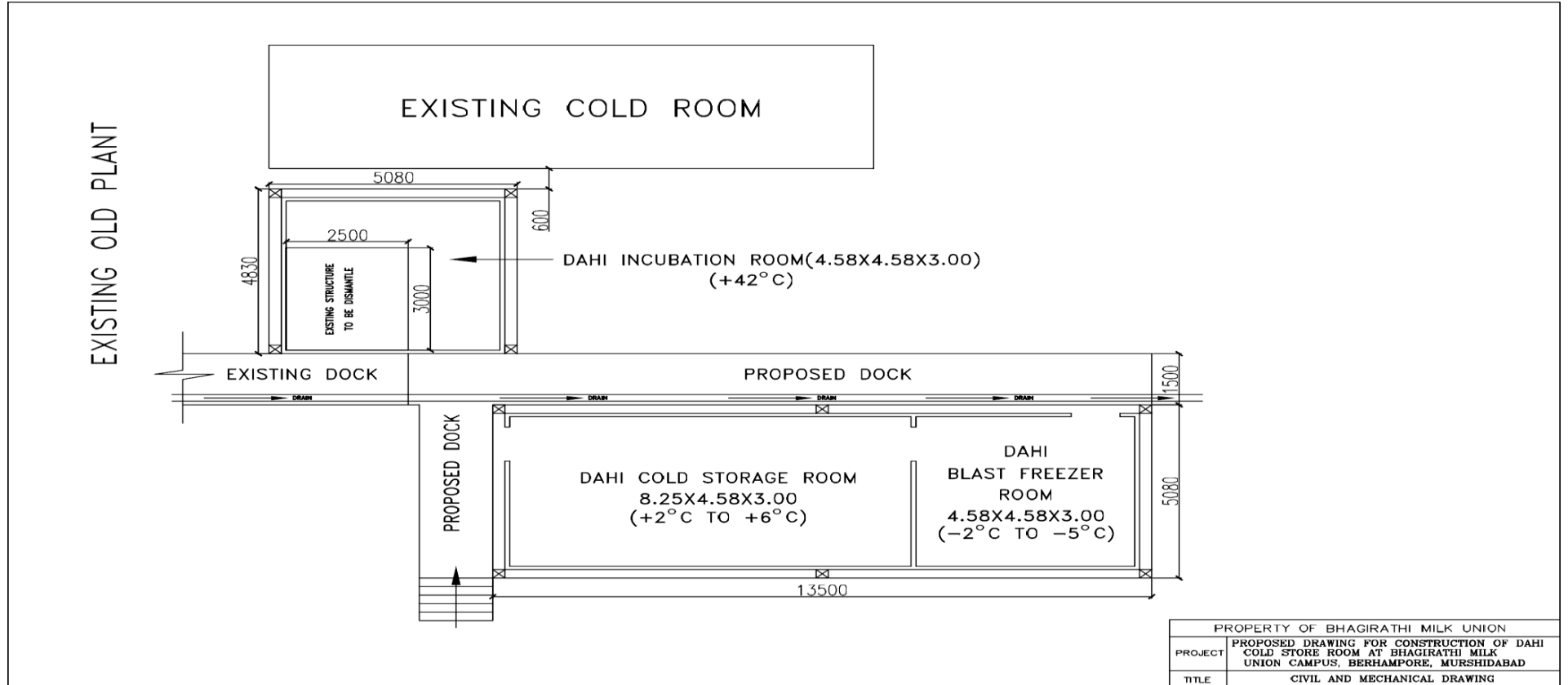
Sd/-

**Managing Director**  
The Bhagirathi Cooperative Milk  
Producers' Union Limited



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Sd/-

**Managing Director**

The Bhagirathi Cooperative Milk  
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# **The Bhagirathi Co-operative Milk Producers' Union Limited**

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## **Annexure-B**

### **DECLARATION**

**(To be furnished in a Fifty Rupees Non-Judicial Stamp Paper duly certified by Notary Public)**

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 NDDDB 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, affidavit should be signed only by the sole proprietor.

(Title of the Officer)

(Title of the firm/Company)

(Date)