



Request for quotation: Supply of Bulk Milk Cooler (BMC), an Instant Milk Pre-Cooler (IMC) and a Cooling Tower, for milk processing dairy unit in Bajju, Rajasthan

Dated: 15th Nov, 2025

Issued by: Bahula Foods Pvt Ltd

1. Brief project overview

Bahula is implementing a dairy unit upgradation project, supported by Access Development Services. Under the programme, we are enhancing the milk processing unit in Bajju and Jaisalmer district.

2. About Bahula

Bahula is a good food company founded in 2022 with the objective of rebuilding market value for camel milk and other desert-origin crops, Bahula's sourcing and operations are anchored in Bajju, a desert settlement located in western Rajasthan. The company works closely with local pastoralist and farming communities, integrating traditional livelihoods with formal market linkages and modern food-processing standards. We work on a range of desert origin foods - camel milk, A2 ghee, black wheat atta, cold-pressed oils, camel cheese, biscuits, and others.

3. Scope of work

We are inviting quotations for supplying and installing a 1000-litre milk chilling setup at our processing unit in Bajju. The requirement includes a Bulk Milk Cooler (BMC), an Instant Milk Pre-Cooler (IMC) and a Cooling Tower, along with the necessary refrigeration and electrical systems. The idea is to procure this as a complete, integrated setup.

a. System requirements

a.1 Bulk Milk Cooler (BMC) – 1000 Litre

We are looking for a hybrid ice-based BMC with the following features:

- Should use a combination of compressor and ice energy storage for faster cooling.
- Must achieve cooling from 35°C to 10°C in about an hour (for half capacity) and 35°C to 4°C in roughly 100–120 minutes.
- Should provide at least 24 hours of cooling backup after 10 hours of electricity.
- Refrigerant: R407C (or equivalent).
- Fully automatic operation; solar-ready systems are preferred.
- Construction in PU-coated MS as standard; SS304 option may be quoted separately.

a.2 Instant Milk Pre-Cooler (IMC)



We require an IMC that can instantly bring milk temperature down to below 9°C:

- Should have an in-built ice bank for stored cooling.
- Handling capacity in the range of 1500–3000 litres per shift (sub-9°C output).
- Compatible with the BMC to increase total cooling throughput.
- Flow rate between 1200–2500 LPH.
- Refrigerant: R407C.
- Automatic operation with optional solar integration.

a.3 Cooling tower

- FRP-type tower suitable for the combined IMC + BMC load.
- Should come with a circulation pump, fill media, drift eliminators and standard accessories.

Associated work

- Supply and installation of food-grade SS304/SS316 piping and valves.
- Milk transfer pumps and interconnecting lines.
- Electrical control panel, safety cut-offs, cabling and automation.
- Commissioning, performance testing and training for our operators.

4. Vendors are requested to include:

- Equipment cost (item-wise breakdown).
- Installation and commissioning charges.
- Transport and delivery to Bajju, Rajasthan.
- Taxes (GST).
- Warranty terms (minimum one year).
- Optional AMC cost.
- Payment terms.

5. Preconditions

- a. No subcontracting is permissible
- b. The supplier may choose to propose for the full services or individual components.

6. RFQ timeline

- Last date for submission: 7th Jan, 2026
- Email for submission: dundun@bahulanaturals.com