



Request for quotation: Off-grid solar PV system – 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 the design, supply, installation, and commissioning of an off-grid solar PV system for our facility in Bajju. This includes:

- Solar PV modules
- Hybrid/off-grid inverter
- Battery bank
- Module mounting structure (for RCC roof)
- All AC/DC cabling, protection devices, junction boxes
- Earthing system (chemical pits, earthing strip, etc.)
- Lightning protection
- Transportation and installation

4. Technical requirements

Solar panels:

- Total capacity: ~18 kWp
- Module size: 550–600 Wp, mono PERC/TOPCon

Inverter:

- Hybrid/off-grid inverter, approx. 15–20 kW



- 48V battery compatibility

Battery bank:

- 48V system, tubular LA or lithium (vendor to specify)
- Reference size: 1000Ah @ C10 (as per attached benchmark)

Mounting structure:

- For RCC roof
- Hot-dip galvanized preferred

Protection & cabling:

- Array Junction Box with MCBs, SPDs and string fuses
- AC distribution box with AC MCBs and SPDs
- DC cables
- AC cables and battery cables (sized as required)
- Earthing cables
- Chemical earthing pits (min. 4)
- Earthing strip 25×3 mm
- Lightning arrestor
- Other consumables needed for a complete installation

5. Preconditions

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

6. Vendors are requested to include:

- Technical datasheets for major components
- Proposed plant layout and SLD
- Delivery and installation timeline
- Warranty terms (component-wise)
- Details of your after-sales service support and AMC options
- Any exclusions

7. RFQ timeline

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