

## TENDER NOTICE

Sealed tenders are invited from OEMs / authorized system integrators / experienced agencies for the supply, installation, and commissioning of a Solar-Powered Cold Storage Unit under the *FXB India Suraksha implementing Project, Drrang district, Assam*.

### 1. Name of Work

Supply, installation, commissioning, and training for Solar Cold Room (5 MT capacity) with remote monitoring and thermal storage.

### 2. Technical Specifications (Minimum Requirement)

- Cold Room Size: 20 ft × 8 ft × 8 ft
- Storage Capacity: 5 MT
- Temperature Range: +4°C to +20°C (set-point selection)
- Refrigeration Capacity: Approx. 2.7 TR @ -5°C mean evaporating temperature
- Refrigerant: R407F / R404A / R448A (or equivalent)
- Insulated Room:
  - PUF panels minimum 100 mm thickness
  - PPGI-lined outer sheets
  - Heavy-duty insulated door with hinges and lock

### 3. Solar Power & Control System

- Solar PV Capacity: Minimum 6 kWp (Monocrystalline modules)
- Auxiliary Battery: 24V, 240 Ah
- Drive control, power converters, and panel mounting structure
- Thermal Storage:
  - Backup of 24–30 hours without door opening
  - Designed for ~5.5 kWh/m<sup>2</sup>/day solar irradiation

### 4. Monitoring & Automation

- Mobile app-based crop selection (Bluetooth / Internet enabled)
- GPRS-based remote monitoring with per-minute data logging
- Web and smartphone dashboard access





## 5. Scope of Work

- Supply of complete cold room system
- Installation and commissioning
- Onsite training and capacity building
- One-year onsite warranty + one-year additional AMC

## 8. Eligibility Criteria

- OEM or authorized supplier of solar cold storage systems
- Proven experience in supply and installation of solar cold rooms / agri-infrastructure
- Valid GST registration, PAN, and statutory compliances

## 9. Tender Submission

The tender shall include:

- Technical proposal (compliance to specifications)
- Financial quote (item-wise breakup)
- Warranty & AMC details
- Past experience and credentials

### Submission Guidelines

- Mode of Submission: Email
- Last Date of Submission: 02 February 2026

Interested vendors may submit their applications via email to [vendorempanelment@fxbsuraksha.org](mailto:vendorempanelment@fxbsuraksha.org), with copies (CC) to: [schander@fxbsuraksha.org](mailto:schander@fxbsuraksha.org), [gneelam@fxbsuraksha.org](mailto:gneelam@fxbsuraksha.org),

**FXB India Suraksha reserves the right to accept or reject any or all tenders/EOIs without assigning any reason.**

