Tender

for

Supply and installation of 5MT Solar-powered Cold Storage Unit in Behak Fattu and Bhooh Gujran-Lalleh, Block Makhu

Ferozepur, Punjab

Ground Floor, Near Service Road, Malak Road Bridge Pass, Jagraon
District - Ludhiana, Punjab 142026
Telephone: 6283080693 / 7897993041

NOTICE INVITING TENDER

Sealed tenders are invited in a prescribed form **by BAIF Institute for Sustainable Livelihoods and Development, Ground Floor, Near Service Road, Malak Road Bridge Pass, Jagraon, District-Ludhiana, Punjab from** technically and financially sound agencies/contractors for the following work:

Tender Details

Date of issue of tender	28th October 2026
Last date and time for submission of Tender Documents	3rd November 2026 (5:00 PM)
Mode of Submission	Password-protected pdf file to procurement.uttarakhand@baif.org.in or in a sealed envelope to BAIF Punjab State Office at the address mentioned below.
Note: Tender form is given at the end of this document. Please use it for quoting your rate, along with DD of the Earnest Money.	

1. The tender document can be downloaded from the official website: https://baif.org.in/tenders/
2. The sealed tender document duly filled in, with the name of the work and the name of the tenderer written on the envelope, should be submitted to BAIF Punjab State Office, Ground Floor, Near Service Road, Malak Road Bridge Pass, Jagraon, District-Ludhiana, Punjab, India till 3rd November 2026 (5:00 PM) by hand / Registered Post / Courier / Password-protected pdf file to procurement.uttarakhand@baif.org.in

Name of work: Supply and installation of 5 MT Solar Powered Cold Storage Unit in Makhu, Punjab.

Brief Description of Product	Quantity	Place of Delivery	Completion date of project (Supply and Installation)
5 MT Solar-powered Cold Storage Unit (as per Ministry of Agriculture & MNRE guidelines – 2 days thermal backup)	2	Villages Behak Fattu and Booh Gujran-lalleh, Makhu, Ferozepur, Punjab	Within 30 days from date of Work Order

The technical specifications are as follows:

Annexure: Cold Storage Unit Specifications

S N	Particulars	Unit	Quantity
1	5 MT Solar-powered Cold Storage Unit Supply & Installation A. Outdoor on-site installation RCC M20 grade concrete in 1:1.5:3 proportion (cement: sand:20 mm graded coarse aggregate) for civil platform, including mixing, laying, vibration, finishing and curing, completed. a) Complete 28.22 CUM (1024 CFT) total internal volume - multi-chamber cold room b) Two chambers of 512 CFT each instead of single chamber - Each chamber has separate doors and temperature setpoint to store multiple commodities at different temperature setpoint c) 4-10 Degree C by using set point control as per req. d) 7 kWp solar panels, Galvanised iron structure with 11-degree tilt, rated for 100-150 kmph wind load e) 2.7 TR compressor @-5 C Evaporating and 50 C Condensing f) 245 MJ Thermal Energy Bank g) 0˚C, 333.55 kJ/kg phase change temperature and latent energy h) 1000 CFM airflow per hour i) 100 mm thick PUF panels, proper insulation j) Backup duration 24 -30 hours (non-door opening & 5.5 kWh/m2/day solar radiation) k) 3 x 12 V 240 Ah Solar grade battery l) Grid – 5 kVA, single or 3 phase or Diesel Generator – 5 kVA, single phase or 3 phase m) Humidity Control - (Dehumidifier & humidifier door sensor-based). n) Alert system of any failure	Set	2
	Installation and commissioning of cold storage unit to be carried out by trained personnel.		
	Maintenance Period: The agencies/ contractors shall provide complaint redressal service within a week including on-site replacement of parts for 3 years from the date of commissioning. The agencies/contractors shall provide basic training to the local person nominated by BAIF team/PRI representatives for troubleshooting. A tool kit should be provided to the local person/Gram Panchayat representative.		
2.	Ventilated / Perforated HDPE Plastic Tray/Crate Material: HDPE Plastic	No.	250

	Type: Ventilated / Perforated Crate Capacity: 20 kg approx. Size: Approx. 600 × 400 × 200 mm Colour: As per requirement Design: Ventilation holes on sides and bottom Food Grade: Suitable for fruits & vegetables Stackable: Yes Reusable: Yes Strong & Durable: Suitable for cold storage use Easy to Clean: Yes Load Capacity: Minimum 20 kg Application: Cold storage / fruits & vegetables handling		
3.	Cold Storage Rack Material: SS 304 Food Grade Size: 1200 × 600 × 1800 mm Levels: 5 Tier Shelf: Plain Solid SS 304 Plate Shelf Thickness: 1.2 mm (18 SWG) Frame: 38 × 38 mm SS 304 Tube Base: Plain SS 304 Plate Adjustable SS Feet/base plate Smooth TIG Welded Finish Shelf Spacing: Approx. 350 mm Load Capacity: 200–250 kg/Shelf Size may Be Adjust as per Site required.	No.	16
4.	Weight Machine Capacity: 100 kg Type: Digital Platform Scale Accuracy: 20–50 gram Platform: 400 × 400 mm Platform: MS/SS Display: Digital LED/LCD Function: Zero & Tare Power: 230V AC Battery Backup: 6–8 hours Load Cell: Heavy Duty Overload Protection: Yes Warranty: 1 Year	No.	3

5.	Signage Board branding. Signage board with iron sheet and stand of the board (Dimension: 3ft x 4ft, Angle 40 x 40 x 6mm & iron sheet - 18 Gauge ,2 ft underground footing, 3.5ft above ground approx. weight 40 kg) including painting and writing on both sides with installation.	No.	2
6.	Transportation Cost		

Terms and Conditions:

1. **Earnest Money Deposit (EMD:** 2% of tender value) shall be submitted along with the tender through a Demand Draft (DD) in favour of **"BAIF INSTITUTE FOR SUSTAINABLE LIVELIHOODS AND DEVELOPMENT, PUNJAB",** payable at Ludhiana. Tenders without EMD shall be liable for rejection. The EMD of unsuccessful bidders shall be refunded without interest within 30 days of issuance of the Work Order. The successful bidder's EMD shall be adjusted towards the Security Deposit.
2. A Security Deposit equivalent to **5% of the final certified value** of the work executed shall be retained for **the two-year Maintenance Period**. The successful bidder's EMD shall form part of this amount, and the balance shall be deducted from the bills. The Security Deposit shall be refunded without interest within 30 days after expiry of the Maintenance Period, subject to satisfactory maintenance and settlement of outstanding dues.
3. The bidder shall clearly specify the warranty period for individual items, including solar panels, batteries and cooling-system components, and provide the relevant warranty certificates.
4. All supplied items and completed works shall conform to the specified technical requirements and shall be inspected and verified by the Field Engineer before acceptance. Any defects or non-compliance shall be rectified by the contractor at its own cost.
5. **Quantity Variation:** Tender quantities are indicative and may increase or decrease according to actual site requirements, subject to prior approval by the Organisation. Payment shall be based on actual measured and certified quantities at the accepted rates.
6. Penalty for Delay in Completion: A penalty of ₹500 per day may be imposed for delays attributable to the contractor beyond the stipulated completion period, subject to applicable contractual terms. Extensions may be granted for delays caused by natural calamities, law-and-order situations or other approved circumstances beyond the contractor's reasonable control.
7. The quoted rates shall be inclusive of GST and all applicable taxes, duties, license fees, royalties, labour, construction materials, transportation, tools and plants, and the cost of water and electricity required for satisfactory completion of the work. The bidder shall separately specify the applicable GST rate and amount in the price bid.
8. The contractor shall ensure appropriate safety measures at the worksite and shall be responsible, to the extent provided under applicable law, for accidents, injuries or damage arising from its negligence or breach of safety obligations.
9. The organisation reserves the right to accept or reject any or all tenders and shall not be bound to accept the lowest tender, subject to applicable procurement policies and law.
10. The organisation reserves the right to divide the work among more than one bidder, if deemed necessary. The scope and quantities allocated to each successful bidder shall be communicated in writing.

11. **Schedule of Payment**: Payment shall be made in three instalments as follows: 20% upon order confirmation, 40% upon delivery of materials at the site, and 40% upon final completion, commissioning and verification of the work, subject to applicable deductions and the Security Deposit requirements.
12. **Final Payment:** The final payment shall be released after satisfactory completion of the work, successful testing and commissioning of the cooling system as per tender specifications, and final verification by the authorized representative of the Organisation.

For any clarification, please contact:

1. **BAIF Punjab Office: 6283080693, 7897993041**
2. **Taniya Rawat, Dehradun: +91-7453868478**
3. **Shubham Gaur, Makhu, Punjab: +91-9634852391**

Tender Form (On Letterhead)

CONTACT PERSON (FOR THE TENDERER)

Name	
Address	
Telephone/Contact No.	
E-mail	

ECONOMIC AND FINANCIAL CAPACITY

Financial Year	**2023-24**	**2024-25**	**2025-26**
Annual turnover (Rs. in Lakhs)			

EXPERIENCE

Complete the table using the format below to summarise the major relevant work carried out in the course of the past 5 years by the legal entity or entities making this tender. The number of references to be provided must not exceed 5 for the entire tender.

Sr. No.	**Name and Address of Client**	**Capacity of Solar-powered Cold Storage Units**	**Date/Year of Commissioning**	**Contract value (Rs.)**

TENDER DECLARATION

1. I/We have read and examined all the tender documents and accepts the terms and conditions mentioned in the tender.
2. We also undertake, if required, to provide evidence of the financial and economic standing and the technical and professional capacity according to the selection criteria for this call for tender. We also understand that if we fail to provide the proof/evidence required, within 7 calendar days after receiving the notification of award, or if the information provided is proved false, the tender may be considered null and void.
3. I/We shall be debarred for tendering with BAIF Development Research Foundation-Punjab. Also, if such a violation comes to the notice of BAIF INSTITUTE FOR SUSTAINABLE LIVELIHOODS AND DEVELOPMENT, PUNJAB before the date of start of work, BAIF INSTITUTE FOR SUSTAINABLE LIVELIHOODS AND DEVELOPMENT, PUNJAB shall be free to forfeit the entire amount of earnest money deposit.
4. I/We hereby declare that I/We shall treat the tender documents, drawings and other records connected with the work as confidential documents and shall not communicate information derived therefrom to any person other than a person to whom I/We am/are authorised to communicate the same or use the information in any manner prejudicial to the safety of BAIF Development Research Foundation.

Yours faithfully

Name and Signature of Authorised Person……

Date and place……..

Seal of the firm/company/entity:

Quotation / Tender Value

I am ready to supply the following items at the below mentioned rates.

Sr. No.	Particulars	Unit	Qty. (Set)	Unit Rate (Rs.)	GST %	Amount (Rs.)
1	5 MT Solar-powered Cold Storage Unit Supply & Installation (including civil foundation & transportation work) 28.22 CUM (1024 CFT) total internal volume - multi-chamber cold room a) Two chambers of 512 CFT each instead of single chamber - Each chamber has separate doors and temperature set point to store multiple commodities at different temperature set point b) 4-10 Degree C by using set point control as per requirement. c) 7 kWp solar panels, Galvanised iron structure with 11-degree tilt, rated for 100-150 kmph wind load d) 2.7 TR compressor @ -5 C Evaporating & 50 C Condensing e) 245 MJ Thermal Energy Bank f) 0˚C, 333.55 kJ/kg Phase change temperature and latent energy g) 1000 CFM airflow per hour h) 100 mm thick PUF panels, proper insulation i) Backup duration 24 -30 hours (non-door opening & 5.5 kWh/m2/day solar radiation) j) 3 x 12 V 240 Ah Solar grade battery k) Grid – 5 kVA, single or 3 phase or a. Diesel Generator – 5 kVA, single phase or 3 phase l) Humidity Control - (Dehumidifier & humidifier door sensor based). m) Alert system of any failure	SET	2			

Sr. No.	Particulars	Unit	Qty. (Set)	Unit Rate (Rs.)	GST %	Amount (Rs.)
2	Installation and commissioning of cold storage unit to be carried out by trained personnel.					
3	**Maintenance Period:** The agencies/ contractors shall provide complaint redressal service within a week including on-site replacement of parts for 2 years from the date of commissioning. The agencies/contractors shall provide basic training to the local person nominated by BAIF team/PRI representatives for troubleshooting. A tool kit should be provided to the local person/Village Development Committee representative.					
4.	**Ventilated / Perforated HDPE Plastic Tray/Crate** Material: HDPE Plastic Type: Ventilated / Perforated Crate Capacity: 20 kg approx. Size: Approx. 600 × 400 × 200 mm Colour: As per requirement Design: Ventilation holes on sides and bottom Food Grade: Suitable for fruits & vegetables Stackable: Yes Reusable: Yes Strong & Durable: Suitable for cold storage use Easy to Clean: Yes Load Capacity: Minimum 20 kg Application: Cold storage / fruits & vegetables handling	No.	250			
5.	**Cold Storage Rack** Material: SS 304 Food Grade Size: 1200 × 600 × 1800 mm Levels: 5 Tier Shelf: Plain Solid SS 304 Plate Shelf Thickness: 1.2 mm (18 SWG) Frame: 38 × 38 mm SS 304 Tube Base: Plain SS 304 Plate Adjustable SS Feet/base plate Smooth TIG Welded Finish Shelf Spacing: Approx. 350 mm Load Capacity: 200–250 kg/Shelf Size maybe adjusted as per Site requirement.	No.	16			

Sr. No.	Particulars	Unit	Qty. (Set)	Unit Rate (Rs.)	GST %	Amount (Rs.)
6.	**Weight Machine** Capacity: 100 kg Type: Digital Platform Scale Accuracy: 20–50 gram Platform: 400 × 400 mm Platform: MS/SS Display: Digital LED/LCD Function: Zero & Tare Power: 230V AC Battery Backup: 6–8 hours Load Cell: Heavy Duty Overload Protection: Yes Warranty: 1 Year	No.	3			
7.	Signage Board branding. Signage board with iron sheet and stand of the board (Dimension: 3ft x 4ft, Angle 40 x 40 x 6mm & iron sheet - 18 Gauge, 2 ft underground footing, 3.5ft above ground approx. weight 40kg) including painting and writing or Pasting Vinyl both sides with installation.	No.	2			
8.	Transportation Cost					
					Total Cost including GST (Rs.)	

*** The bidder shall provide a detailed Operation and Maintenance (O&M) Manual explaining the operating procedures, maintenance requirements and troubleshooting guidelines for efficient functioning of the system.**

*** The bidder is requested to share case studies or details of previously executed similar projects, if available.**

Any additional information

Date:

Signature with Stamp: