

Project - Jeevan Saanjh

Building Resilience in Natural Resource Management & Enhancing the Livelihood of the Community in Dhar Kalan & Bamial Block of Pathankot District, Punjab, India.

Request for Proposal: Solar-based Lift Irrigation Units’ setup in Dhar Kalan block, Pathankot, Punjab

Opening Date: 12th Sep 2025

TERMS OF REFERENCE FOR CONTRACTUAL ASSIGNMENT

This document outlines the Terms of Reference for the implementation of solar-based lift irrigation systems under the **Jeevan Saanjh** project, implemented by the Partnering Hope into Action (PHIA) Foundation. The primary objective of this initiative is to expand irrigation coverage in rural areas by utilizing solar energy to lift water from existing ponds and check dams, thereby promoting sustainable agriculture and improving water resource management.

A. About PHIA Foundation

Partnering Hope into Action (PHIA) Foundation was registered in 2005. Since 2015, it has significantly scaled its operations, expanding its reach to work in the states of Bihar, Jharkhand, Uttar Pradesh, Madhya Pradesh, Punjab, Ladakh and Delhi NCR. This strategic expansion reflects PHIA Foundation's commitment to making a tangible impact in diverse regions and addressing the unique needs of communities across multiple states. At the core of PHIA Foundation's vision is the aspiration for a society free from poverty, exclusion, and discrimination, where every individual can live with justice, dignity, and respect. This vision serves as a guiding principle, driving the foundation's efforts to tackle the root causes of social inequality and create sustainable change. Aligned with its vision, the PHIA Foundation has a mission to work alongside communities, empowering them to access their rights, entitlements, and equal opportunities. Recognizing the importance of grassroots participation and local ownership, PHIA actively collaborates with various partners, community organizations, and stakeholders. By forging these partnerships, PHIA Foundation ensures that the voices and aspirations of poor marginalized and vulnerable communities are recognized and integrated into the development process. For more information about PHIA Foundation, please visit our website at www.phia.org.in.

B. Background

This activity aims to promote solar-based lift irrigation systems integrated with ponds and check dams to ensure dependable irrigation access for small and marginal farmers. Check dams and farm ponds play a vital role in rainwater harvesting and groundwater recharge. By combining these structures with solar-powered lift systems, stored water can be efficiently delivered to agricultural fields, overcoming elevation and distance challenges. This approach reduces reliance on diesel pumps and provides a cost-effective, sustainable, and eco-friendly irrigation solution.

By integrating water conservation with renewable energy, the initiative supports climate-resilient and sustainable agriculture in the Pathankot region.

C. Scope of Work:

- i. Objective** - To install 25 solar powered lift irrigation systems for the optimal utilization of pond and check dam water sources, with the aim of providing reliable irrigation facilities to small and marginal farmers through sustainable and renewable energy-based solutions.
- ii. Justification** – The installation of a 1 HP Solar Lift Irrigation System is required to support the irrigation of small and marginal farmers in the intervention areas. The system, with a discharge capacity of approximately 3,000 to 5,000 litres per hour (LPH), will draw water from existing water bodies, including ponds with a storage capacity of 7.50 lakh liters and check dam with storage capacity of 10.00 lakh liters.

This intervention is designed to offer a reliable and cost-effective irrigation solution, while reducing dependency on conventional energy sources. The solar-powered system will promote sustainable water management, enable timely irrigation, and contribute to increased agricultural productivity. Ultimately it will enhance livelihood income and support climate-resilient farming in the intervention area.

Therefore, service providers are invited to submit their quotations for the supply, installation, and commissioning of the 1 HP solar l irrigation system in accordance with the technical specifications and requirements outlined below:

Required Materials & Specifications

S. No.	Item	Specifications / Details
1.	1 HP Mono-Block Pump	Type: AC Mono-block Pump (Brand: Kirloskar / Shakti / Lubi) Includes: Controller integrated with pump
2.	Solar Panels	Capacity: 550 Watt × 2 Nos = 1100 Watt Mounting with MC4 connectors and standard wiring
3.	Prefabricated G.I. Structure	Ground-mounted galvanized iron frame Designed to support solar panels and ensure stability
4.	Solar Wiring & Accessories	DC Wire, MC4 Connectors, Solar lifting items Includes all necessary fittings and cabling
5.	Suction Pipe & Fittings	Pump suction pipe Water lifting & discharge pipe with pump fittings
6	Structure Civil Work Installation	Foundation and base structure preparation for pump and solar panels Complete installation of solar panels, G.I. structure, and pump
7	Other	HDFC Branding Metallic Board (Size: 4 ft × 3 ft)

D. Roles and Responsibilities

Implementing Partner:

- Procure the solar-based lift irrigation system (including pump, solar panels, structure, and fittings).
- Transport, deliver and install all the equipment's and materials to the project location
- Ensure system installation is completed as per agreed specifications and timelines.
- Submit a completion report with geo-tagged photos and technical specifications.
- Facilitate training for local farmers on system operation and routine maintenance.
- Provide handholding support and maintenance for a period of three years post-installation.
- Warranty, guarantee, and insurance of equipment

PHIA Team:

- Provide technical oversight during installation.
- Monitor progress and ensure compliance.

E. Evaluation Criteria

The evaluation of the EOIs will be done on the following criteria:

Sr. No.	Section	Scoring
1	Organizational profile	Not scored
2	Registration details	Not scored
3	Financial records – last three years	Not scored
4	Organization experience – Minimum 5 years in similar work	Qualifying Requirement
4.1	Summary of relevant past projects including last five years work orders with feedback (completion certificate / performance/client feedback/Word order)	10 marks
4.2	Skills, competence and experience for implementation of the proposed project	10 marks
4.3	Scope of work: Material	10 marks
4.4	Quoted Price and Installation Time (in Days)	20 marks

F. Terms and conditions:

1. **Details of Proposal:** The proposal must include the date, number, and the GST registration/ license number/ PAN number.
2. **GST Breakdown:** If GST applies, it should be clearly listed separately in the proposal. In case GST is not separately mentioned, fee will be construed as inclusive of GST
3. **Tax Deduction Norms:** Taxes will be applied as per government regulations. It is mandatory to link your Aadhaar with your PAN card. If the linkage is not available, tax deductions will be made at the highest rate according to government rules. Provide screenshot of Pan Aadhar linkage status.
4. **List of Similar Projects:** Provide a list of similar works completed over the last five years, including client details, contract values, photos, and the geographic coordinates (latitude and longitude) of each project site
5. **Financial Information:** Submit the company’s financial details *Balance Sheet and Profit & Loss account*) for the past three years based on the audited balance sheet.
6. **Transportation and Handling Costs:** Clearly specify the costs for transportation, loading, and unloading in your quotation. If these are not mentioned, they will be considered included in the quoted price.
7. **Material and Work Description:** The proposal must include a detailed description of the required materials or proposed work. Materials must meet the specified brand and quality standards. Failure to meet these requirements will render the proposal invalid.
8. **Proposal Validity:** The proposal must be valid for at least 45 days, and this period should be clearly stated.
9. **Payment Terms:** The payment terms must be mentioned. Payments are typically processed through cheque/RTGS within 15-20 days of bill submission.
10. **Proposal Submission:** The proposal must be submitted through mail to procurement@phia.org.in.
11. **Non-compliance with Specifications:** If the material or work delivered does not meet the specified requirements, it will be rejected and returned at the vendor's expense. The vendor will be fully responsible for any return-related costs.
12. **Installation Responsibilities:** If installation is required, the vendor will be responsible for completing the installation within the given timeframe.
13. **Failure to Deliver:** If a purchase order or work order is issued and the vendor fails to deliver materials or complete the work on time, the organization reserves the right to blacklist the vendor for future contracts.
14. **Bank Account Status:** Ensure that your firm’s bank account is not frozen by the bank at the time of the proposal submission.
15. **Proprietor Payment Information:** If the payment is to be made in the name of the proprietor, the proprietor’s name, bank account details, and IFSC code must be provided. Payments to anyone other than the proprietor will not be accepted.
16. **Submission Deadline:** The final date for submitting the proposal is **26/09/2025**. The management reserves the right to review proposals received after the deadline.

G. Payment Term Conditions:

Payment will be made in a phased manner:

- **25%** advance after issue and signing of work order,
 - **25%** after dispatch of material and generation of e-way bill
 - **30%** after completion of 60% of the work as certified by PHIA’s technical team
 - **20%** after final completion, approval and reinstatement of project site.
- Any delay in delivery and commissioning beyond the stipulated timeline will attract a penalty of 1% per month, up to a maximum of 10% of the contract value.

H. Application Process

Interested and eligible applicants must submit the following Documents:

1. Technical proposal:

- A document outlining previous experience in similar projects
- Details of technical Specification material and equipment.
- Please also provide at least five project completion report or certificates from previous clients.

2. Financial Proposal: A detailed cost estimate covering all anticipated expenses for the services rendered. Separate cost estimates have to be provided for each kind of structure.

3. Legal documents (Mandatory) – Aadhaar of proprietor, registration documents of companies/ firms, PAN, GST, audited financial statements for last three years- 2022-23 (audited), 2023-24 (audited) and 2024-25(un-audited/audited), MSME registration.

The proposal must be submitted by 26th Sep, 2025 to procurement@phia.org.in

In case of any query during developing the proposal, please write at procurement@phia.org.in by 23rd Sep, 2025. The query will be answered within two working days.

Quotation / Tender value

(To be printed on Pre-numbered Quotation format or if same is not available then on Letterhead with unique number and date)

FORMAT OF QUOTATION

(To be provided separately for each structure)

Sr. No.	Description of Work	Specifications/Material	Qty.	Unit	Quoted Unit Price	Total Amount
		Total				
		Taxes @% (if any)				
		Grand Total				

Terms and Conditions:

1. Tax Registration No. –
2. Transport –
3. Validity of Quotation –
4. Warranty/Guarantee –
5. MSME Registration – Yes/No

Signature with Stamp of Firm

Name of Authorized signatory