

Appropriate Technology India (AT India)

ADMIN OFFICE

179, Kalyan Kunj, Panditwadi, Dehradun-248007, Uttarakhand, India

REQUEST FOR QUOTATION (RFQ)

For Supply and Installation of Solar Water Lifting System 5 kWp – in Himachal Pradesh

Date: 27/8/2025

1. Introduction

Appropriate Technology India (AT India), an Indian NGO registered under the Societies Act 1860 has been working in Uttarakhand since 1994 with dual objectives of biodiversity conservation and economic development. These objectives can be achieved only when the local communities secure economic and managerial control over their natural resources and have access to necessary information technical and financial. support. This incentive motivates them to work actively toward the long-term conservation of these resources This premise continues to inform AT India's strategy to assist village communities in Uttarakhand towards conserving their natural resources and biodiversity while developing economic opportunities through enterprise utilizing natural resources (natural resources-based products and NTFP) in an equitable. economically and environmentally sustainable manner.

2. Scope of Work

S. No.	Item	Specifications	Quantity	Unit
1	Solar Pump	Lyra/Kirloskar 5 HP submersible pump or equivalent	1	Nos
2	Controller	Lyra/Kirloskar VFD (suitable for 5 kWp AC/DC pump) or equivalent	1	Nos
3	Solar Module	550 Watt panels, Total 5 kWp capacity 9Nos	9	Nos
4	Protection System	Over current, high and low voltage, dry run, overflow protection	1	Set

S. No.	Item	Specifications	Quantity	Unit
5	GI Structure	GI C-channel structure suitable for 5kWp solar module mounting, capable to withstand wind pressure of minimum 150kmph	1	Set
6	GI Pipes	ISI approved pipes: - 4" dia - 20 feet (water source to pump tank) - 2" dia - for pump tank to village storage - 1.25" dia - 20 feet (distribution with taps)	600	Mtr
7	RCC Tank (Small)	2000 Liter capacity for water source pumping	1	Nos
8	RCC Tank (Large)	4000 Liter capacity for village water storage	1	Nos
9	Tank & Water Post Painting	All RCC tanks and water posts to be painted as per requirement	1	Job
10	Plumbing Work	Connection of GI pipe from 2000L RCC tank to village 4000L tank with 3 water distribution points	1	Job
11	Accessories	3-core copper wires, elbow, nipple, safety wire, clamps, nut bolts and all necessary accessories	1	Set
12	Installation & Commissioning	Complete installation and commissioning at site	1	Job

3. Eligibility Criteria

- Registered manufacturer/supplier of solar water lifting systems
- Minimum 3 years' experience in solar pump installations
- Previous experience in similar government/NGO projects (minimum 5 installations)
- Valid GST registration and relevant licenses
- Capability to provide 1-year on-site warranty

4. Documents to be Submitted

Please submit the following along with your quotation:

- Company registration certificate, PAN, and GSTIN copies
- Detailed product brochures and technical specifications
- List of previous installations with client references (minimum 5)
- Authorization certificate from pump and solar panel manufacturers
- Detailed project execution plan and timeline
- Warranty terms and after-sales service details

5. Technical Requirements

- Solar Panels: Minimum efficiency of 20%, with 25-year performance warranty
- Pump: Submersible type, suitable for borewell installation, minimum 5 KVA capacity
- Controller: MPPT technology with LCD display, overload protection
- Installation: Complete turnkey installation including electrical connections, piping, and testing

6. Delivery Location

Project villages, Himachal Pradesh (exact locations to be provided at the time of order placement).

7. Terms and Conditions

- Prices should be quoted **inclusive of all taxes, packaging, insurance, and delivery charges.**
- AT India reserves the right to accept or reject any quotation without assigning any reason.
- The lowest quote will not be the sole criterion for selection; quality and delivery capacity will also be considered.

8. Submission Deadline

All proposals must be received by 13/10/2025 at the following:

Contact for Clarification:

Address: ADMIN OFFICE 179, Kalyan Kunj, Panditwadi, Dehradun-248007, Uttarakhand, India

Email: Admin@atindia.org

Phone Number: +917618314144