



# Appropriate Technology India (AT India)

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

## REQUEST FOR QUOTATION (RFQ)

### For Supply of Solar Street Light in Kinnaur District

Date: 20/11/2025

RFQ-ID: ATI-RFQ-RES-P1359-2025-01

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## 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.

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## 2. Scope of Work

### Battery Energy Storage System (Critical Component)

- Chemistry: Lithium Ferro Phosphate (Li PO<sub>4</sub>).
- Capacity: 12.8V, 18Ah.
- Thermal Protection (Mandatory): The battery pack MUST feature an integrated Heating Pad/Thermal Film regulated by the BMS.
- Operation: If ambient temperature < -0°C to -20°C, solar current must heat the cells to +5°C before charging begins.
- Insulation: Battery box must have 10mm thermal foam insulation.
- Placement: Pole-mounted in a tamper-proof, IP65 aluminium die-cast box.

### Solar Module

- Wattage: Minimum 60 W 14.8v.

### Luminaire (LED)

- 24W semi Osram led integrated solar street light with dimming.
- Housing: Pressure die-cast aluminium, IP66 rated.

## Pole and Civil Structure

- Type: Galvanized Iron (GI) Pole 75mm Die ,11kg approx.
- Wind Survival Speed: Designed for 50 m/s (180 km/h) to withstand Himalayan valley winds.
- Foundation: M20 Grade Concrete, Cast-in-Situ. Depth > 1 meter (below frost line).
- With Branding Board

## Scope of Work (SoW)

- Supply: Manufacturing and delivery of materials to the district headquarters (Rekong Peo) or designated cluster points.
- Logistics: Transportation from road-head to installation sites (including manual portering/mules where roads are blocked/absent).
- Installation: Civil works (foundation), pole erection, and system commissioning.
- Warranty: 3-Year On-Site Comprehensive Warranty.

## 3. Eligibility Criteria

- Must be a registered supplier/manufacturer.
- Proven experience in supplying similar machinery/materials to government or NGO projects.
- Ability to deliver quality products as per specified standards, within stipulated timelines.

## 4. Documents to be Submitted

Please submit the following along with your quotation:

- Firm profile / Company registration certificate
- PAN and GST registration copies
- Product catalogues / brochures (if available)
- At least two past work orders or client references
- Quotation on official letterhead (signed and stamped)

## 5. Delivery Location

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

## 6. 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.

## 7. Submission Deadline

**All proposals must be received by 15/12/2025 at the following:**

**Contact for Clarification:**

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

**Email:** [Admin@atindia.org](mailto:Admin@atindia.org)

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