



Mount Valley Development Association (MVDA)

Date: 27-12-2025

1. RFP Reference Details:

- **RFP Title:** Supply of Solar Street Lights, High Mast Solar Lighting Systems & Solar Electrification.
- **RFP Issue Date:** 27-12-2025
- **Last Date for Submission:** 03-01-2026
- **Submission Mode:** Online
- **Submission Email:** mvdapurchase@mvda.org.in

2. Background of the Organization:

Mount Valley Development Association (MVDA) is a registered development organization engaged in livelihood-based interventions in rural and semi-urban areas. As part of its sustainable energy and community infrastructure development initiatives, MVDA proposes to procure solar-based street lighting systems for public utility and safety enhancement.

3. Purpose of the RFP:

MVDA invites proposals from eligible manufacturers, authorized distributors, suppliers, MSMEs, or system integrators for the **supply, installation, and commissioning of solar street lighting systems, High Mast Solar light and solar electrification** as per specifications mentioned in this RFP.

The objective is to procure **energy-efficient, durable, and reliable solar lighting solutions** at competitive prices, ensuring compliance with technical standards, timely delivery, and warranty support.

4. Scope of Work:

The selected vendor shall be responsible for the following:

- Supply of solar street lighting systems strictly as per approved technical specifications
- Transportation up to the designated delivery / installation locations
- Supply of all components including luminaires, batteries, solar panels, poles, mounting structures, foundation bolts, and accessories
- Design, supply, and installation of the solar power system, including solar panels, mounting structures, inverters, batteries (if applicable), and balance of system components.
- Electrical wiring, cabling, earthing, and safety arrangements as per applicable standards.

- Integration of the solar system with existing electrical infrastructure of the school to ensure seamless power supply.
- Installation, testing, and commissioning (where applicable)
- All applicable taxes, duties, levies including GST
- Packing, forwarding, loading, unloading, and any incidental charges
- Provision of warranty, after-sales service, and technical support

5. Process of Selection

- All proposals received shall be evaluated by MVDA for **technical compliance, completeness, and commercial competitiveness.**
- Only proposals meeting **eligibility criteria, technical specifications, documentation requirements,** shall be considered.
- MVDA reserves the right to accept or reject any proposal without assigning reasons.

6. Technical Requirements & Quantity:

Sl. No.	Item Description	Technical Specifications	Quantity	Delivery / Installation Location
1	Solar Street Light (W-LED Luminaire)	24 Watt W-LED luminaire	900 Units	As specified by MVDA
		Dispersed beam with proper optics & diffuser		
		Soothing to eyes, glare-free illumination		
		Complete solar street light system		
2	High Must Solar Lighting System	24 Watt Solar LED Light – 4 Nos	10 Sets	As specified by MVDA
		24 Ah Li-Po4 Battery – 4 Nos		
		75 Watt Solar Panel – 4 Nos		
		7 mtr. Octagonal Pole		
		Top: 70 mm		
		Bottom: 130 mm		
		Thickness: 3 mm		
		Base Plate: 220 × 220 × 16 mm		
M20 Foundation Bolts with all accessories				

Solar Electrification:

S. No.	Per unit Specification	Unit	Total Units
1	Solar panel - 550W - (06nos) - 3KWp(Su Kam/Luminus etc)	3300 Wt	7
2	Solar Battery Bank - 150Ah, 12V - (4Nos) - 48v (Su Kam/Luminus etc)	4	
3	Solar Inverter - 48V, Single phase - (1Nos) (Su Kam/Luminus etc)	1	
4	Galvanized structure - suitable for 3KWp power plant.	1	
5	Chemical earthing - 3mtr (1nos) copper bounded.	1	

6	Lighting Arrestor - 1mtr (1nos) copper bounded.	1	
7	ACDB/DCDB Box	1	
8	Installation	3300wt	

7. Quotation Format:

Vendors must submit their quotation in the following format:

Sr. No.	Item Description	Specification	Quantity (Unit)	Unit Price (INR)	% Tax (GST & Others)	Total Amount (INR)
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8. Warranty & After-Sales Support:

- Minimum **3–5 years warranty** on LED luminaire and solar panel (vendor to specify)
- Minimum **2–3 years warranty** on battery (vendor to specify)
- Availability of service support within the project region
- Replacement / repair turnaround time to be clearly mentioned

9. Terms & Conditions:

Vendors must clearly mention the following in their proposal:

1. GST Registration Number
2. Company / Firm Registration Certificate
3. Quotation validity period (minimum 30 days)
4. Warranty & guarantee details
5. Delivery and installation timeline
6. MSME / Startup Registration Number (if applicable)
7. Compliance with applicable MNRE / BIS / IEC standards (if any)

Name: Rinkita Rawat

Seal of Organization:

Place: Dehradun

Date: 27-12-2025


 Procurement Committee
 Mount Valley Development Association

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