

Interested and eligible vendors are invited to submit quotations strictly as per the prescribed specifications mentioned below. For any clarification or assistance, please contact: 7866003362

Parameter	Specification / Value
Category	Solar LED Street Light
Quantity	200 Units
Wattage	40 Watt
Input Voltage	12.8 Volt DC
Driver Efficiency	93.5%
Dusk-to-Dawn Operation	Automatic ON/OFF through PV module-based ambient light sensing
Charge Controller	Inbuilt PWM Controller
Reconnect Voltage	12.8 Volt
Low Battery Cut-off Voltage	11.2 Volt
Charging Cut-off Voltage	14.80 Volt
Operating Current	7.81 Amp
LED Chip Type	SMD LED
Number of LED Chips	60 Nos
Luminous Output	7,800 Lumens (Full Brightness)
Luminous Efficacy	130 Lumens per Watt
Colour Temperature	Cool White
LED Beam Angle	Wide Beam Angle
Type of LED Optic	As per design
LED Engine Material	Metal Core PCB
Housing Material	Aluminium Extruded
LED Type & Package	As per requirement
LED Life Span	> 50,000 Hours
Charging Indicator	Green LED (glows during battery charging)
Battery Cut-off Indicator	Red LED (indicates battery load cut-off)
Battery Rating	12.8 Volt, 36 Ah
Battery Type	LiFePO4
PV Module Rating	12V, 120 Watt
Pole	Octagonal (8 sided) Pole with GI mark, 40-50 kgs
Warranty - LED Light	5 Years
Warranty - Battery	5 Years
Warranty - Solar Panel	25 Years





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S. No.	Description	Quantity
1.	Commissioning of 40W Solar LED Street Light (Detailed Specifications Mentioned Above)	200
2.	All Weather Resistant Steel Plate	200
	24x7 Helpline Facility	
	Prominent PSU Branding on Light	
	Radium Sticker with PSU Logo on Each Pole	
	PSU Logo in the RMS Cloud System	
3.	Remote Monitoring System (RMS): Provision of GSM/IoT-based Remote Monitoring System for real-time tracking of solar street light performance, battery status, charging efficiency, fault alerts, and operational analytics through a centralized dashboard (5-year data access & support)	200
4.	Foundation & Civil Work of the Pole with M20 Grade Concrete with 10 mm Iron (Mix Ratio 2:1.5:1.5)	200

Handwritten signature and date:
01/06/26