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Ref. No.: YoI/HQ/2026/AG/JUNE/2606/268

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

40W Solar LED Street Light

Parameter	Specification / Value
Category	Solar LED Street Light
Quantity	38 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	7800 Lumens (Full Brightness)
Luminous Efficacy	130 Lumens per Watt
Colour Temperature	Cool White
LED Beam Angle	Wide Beam Angle
Type of LED Open	As per design
LED Engine Material	Metal Core PCB
Housing Material	Aluminium Extruded
LED Type & Package	As per the requirement
Number of LEDs	As per design
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 AHS
Battery Type	$LiFePO_4$ (Lithium Iron Phosphate)
Battery Backup	16 Hours+
PV Module Rating	12V, 120 Watt
Pole	Octagonal Pole with GI mark, 45-50 kgs
Warranty - LED Light	5 Years
Warranty - Battery	3 Years
Warranty - Solar Panel	25 Years

YOUTH OF INDIA FOUNDATION

20/06/26