



## EW-WLST-75WP

**GENERIC**

<p><b>White LED based solar street lighting system as per</b></p>	<p>as per MNRE Specification (Specification uploaded)</p>
<p><b>Uploaded specification has been seen and understood</b></p>	<p>Yes</p>

**PV MODULE**

<b>Minimum Power output of PV Module</b>	75 Wp
<b>PV Module type</b>	Crystalline Silicon Terrestrial Photovoltaic (PV) modules
<b>Minimum efficiency of PV Module (in %)</b>	14
<b>PV Module manufactured in</b>	India

**BATTERY**

<b>Battery voltage, Minimum (in Volts)</b>	12.8
<b>Battery capacity, Minimum (in Ah)</b>	30
<b>Battery type</b>	Lithium Ferro Phosphate
<b>Battery enclosure</b>	External enclosure with IP65 Protection

**LIGHT SOURCE**

<b>Light source</b>	White Light Emitting Diode (W-LED)
<b>Rating</b>	12 Watt

<b>Total luminous flux</b>	≥ 1500 lm.
<b>Luminous efficacy (i.e. system efficacy)</b>	≥ 125 lm/W.
<b>Color Temperature</b>	5500 K to 6500 K

***ELECTRONICS***

<b>Overall total Efficiency of the Electronics</b>	≥ 90%
<b>Ingress Protection (IP) for Optical and Control gear compartment</b>	IP 66
<b>Necessary lengths of wires/cables, switches suitable for DC use and fuses should be provided</b>	Yes

***MECHANICAL COMPONENTS***

<b>Conformity to the specification for steel Pole</b>	as per IS:1161
<b>Pole Class</b>	Medium
<b>Height of pole (in m)</b>	6

<p><b>A corrosion resistant metallic frame structure should be fixed on the pole to hold the SPV module</b></p>	<p>Yes</p>
<p><b>The pole should have the provision to hold the luminaire.</b></p>	<p>Yes</p>

**WARRANTY**

<p><b>Minimum Warranty for street lighting system (including the battery) from the date of supply (in Months)</b></p>	<p>60</p>
<p><b>Minimum Warranty for PV module(s) from the date of supply (in Years)</b></p>	<p>25</p>
<p><b>Minimum warranty for PV modules output peak watt capacity, which should not be less than 90% at the end of (in Years)</b></p>	<p>10</p>
<p><b>Minimum warranty for PV modules output peak watt capacity, which should not be less than 80% at the end of (in Years)</b></p>	<p>25</p>

**CERTIFICATIONS**

<p><b>Availability of Type test report from Central Government/NABL/ILAC</b></p>	<p>Yes</p>
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<b>accredited laboratory to prove conformity to the specification.</b>	
<b>Test report number - Must declare</b>	XT030419000003162FN
<b>Report date - Must declare</b>	4/5/19
<b>Name of lab - Must declare</b>	Associated
<b>Address of lab - Must declare</b>	Uttar Pradesh
<b>Agreed to furnish valid BIS CRS certificates for the applicable items as on date to buyer / consignee on demand</b>	Yes
<b>Agreed to furnish all the test reports and certificates to the buyer/consignee on demand</b>	Yes

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