

**As Per SOR Specification**

**Technical Specification for L E D Light.**

- 1) Rated Voltage: 230V AC
- 2) Power Consumption: +/-5%,
- 3) Lux at 10 Mtr. From pole (Centre between two poles 20 Mtr. Apart and spread angle of 130 degrees): should be greater than 5
- 5) Egress Protection: IP 65
- 6) Over Voltage, Over Current, Internal surge protection – 4Kw
- 7) LED life span should be greater than 60000 hours
- 8) Operating temp. Should be 20 to 55 degree
- 9) Glass type: Toughened Glass
- 10) Lenses should be provided to ensure uniformity of the light on the road
- 11) Lenses should be of PMMA material only to ensure resistance to moisture
- 12) MCPCB should have replacement PADs for LED to allow repairs.
- 13) Single MCPCB should be used to ensure proper thermal management.
- 14) External 10KV surge protector has to be provided to ensure proper surge protection.
- 15) Manufacturing company should be ISO 9001:2008 registered and CE certified.
- 16) Manufacturer should have complete test laboratory including sphere for in-house measurement of lumens, THD, PF, etc. of the fittings. Photographs of which have to be submitted along with calibration reports.
- 17) IP 65 & IS10322 Test Reports From NABL Approved Laboratory is Mandatory

Which specification Apply for this tender is Required.