

Technical specification of LED street Lights PR No 1600009063		
S.No	Specification	Vendor to Comment
1	80W LED Street Lighting Luminaire with in built electronic gear and wiring up of terminals. The street lighting luminaire should be SMD (Surface Mount Device) LEDs and LED current should not be more than 850 mA.	
2	Input voltage range shall be single phase, 180-250 Volts AC	
3	Input nominal voltage of 230 V AC.	
4	Input frequency 45 - 55 Hz	
5	LED's used should be of makes mentioned - Cree, Nichia, Seoul, Samsung and Lumileds only. Vendor needs to confirm the same.	
6	Lumens per watt for the LEDs shall be greater than 120 and Lumens per watt for the luminaire shall be greater than 90.	
7	LED colour temperature should be between 5500K to 6500K.	
8	The wattage of the LED fixture should be 80W or more, the wattage of the fixture should not exceed 100W.	
9	LM79 test report from NABL accredited laboratory should be provided for the luminaire at the time of technical bid.	
10	LM 80 test report for the LEDs from LED manufacturer should be provided at the time of technical bid.	
11	IP65 test report for the luminaire from NABL accredited laboratory should be provided for the luminaires.	
12	Electrical parameters test report for P.F. (Power Factor) and THD (Total Harmonic Distortion) should be provided from NABL accredited laboratory. P.F. (power Factor) should be more than 0.95. THD (Total harmonic Distortion) should be less than 10%.	
13	The Dia of the LED fitting should be adjustable in the range 60mm to 100mm	
14	The following electrical protection should be provided: Short Circuit, Reverse Polarity, surge: 5KV Protected beyond 300 VAC and High Voltage: 1.5 KV Open Circuit Protection, Insulation resistance 500V DC	
15	Vendor to submit, along with offer, reference list of at least two customers where he has supplied LED Street Lighting Luminaires along with their P.O. copy and performance certificate.	
16	Installation and commissioning of the LED street lights are under the scope of the Vendor. The vendor will be shown the poles. The height of the poles will be 8-10m.	
17	Supplier should be Original Manufacturer of LED luminaires or Authorised dealer of original manufacturer of LED luminaires.	

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S.No	Specification	Vendor to Comment
18	A 5 year warranty to be provided for the LED street lights after commissioning. Supplier shall confirm availability of spares and their replacability for the independent parts of the luminaire in case of any fault within 48 hours of complaint during 5 years warranty duration. vendor shall repair the luminaires INSITU. Vendor to provide service contact mobile no./ landline no. after placement of purchase order.	

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