

Annexure IV

SPECIFICATIONS FOR 70W LED STREET LIGHT FITTING

Part-A: Qualification Condition			
Sl. No	Description	Bidder to specify	Deviation if any
1	Bidder must be Manufacturer of Industrial LED Light Product or their authorized dealer. In case of dealer, necessary authorization document in support of above shall be submitted by vendor.		
2	The bidder shall furnish the LM80 report & LM79 report obtained from reputed laboratories for the LED chip used and for the light fittings respectively.		
Part-B: Technical Specifications			
Sl. No	Description	Bidder to specify	Deviation if any
1	Application: Outdoor and maintenance free		
2	Light Source: White light emitting diode (W-LED)		
3	Wattage of the fitting: 70 Watts		
4	Material construction and finish of fitting: Epoxy powder coated compact High Pressure Die Cast Aluminium Body.		
5	Ingress Protection: IP 65 or higher		
6	Driver: Integrated driver built into fitting/ fixture. Light output from the light source must be constant throughout its duty cycle		
7	Voltage range: 240V +/- 10%, AC, 50 Hz +/- 5%.		
8	Power factor: 0.9 or more		
9	Total Harmonic Distortion: THD < 10%		
10	Lumen output: Min. 7000 Lumens		
11	Colour Temperature: Min. 5,500 Kelvin		
12	Colour Rendering Index (CRI): Min 70.		
13	Mounting: Pipe entry suitable for min 50mm OD and adjustable.		
14	Optics: Integrated optics having high spread beam angle 120 deg or more		
15	Surge Protection: Min. 3kV		

Sl. No	Description	Bidder to specify	Deviation if any
16	Test Reports: LM-79 and LM-80 test report obtained from reputed laboratory for the LED lights shall be attached with the offer for the make offered.		
17	Warranty: 24 months from the date of receipt of material at BHEL Trichy		
18	Fail Safe LED: The arrangement of LED should be in such a way that even after failure, the LED should conduct so that the fitting will be in operation.		
19	Make: Havells, Tejaslite, Philips, Goldwyn, Bajaj, Crompton Greaves, Unilumin, Birla, Ixman Sylvania, Osram, Syska, Finolex, HPL, Instapower, Promptec, Ready, QHL, Wipro or any other makes acceptable to BHEL		
20	Documents: Bidder should submit the product catalogue and complete specifications of offered LED Street light along with the offer		

Note: Bidder shall specify the actual value offered in the '**vendor to specify**' column and mere YES/ NO/ CONFIRM shall not be accepted