

TECHNICAL SPECIFICATION FOR LED HIGH MAST of – 180 W to 200 W			VENDOR TO PROVIDE
1	Input voltage	: 120V to 270 V	Vendor has to confirm
2	LDE lamp efficacy	: Equal or greater than Min 110 lumens/watt	Vendor has to confirm
3	Energy efficiency Lable	: A grade	Vendor has to confirm
4	Power factor	: >0.95	Vendor has to confirm
5	Life period	: Equal or greater than 40,000 hours	Vendor has to confirm
6	Rated watt	: 180 W to 200 W (cool day white)	Vendor has to confirm
7	Luminous flux	: Equal or greater than 19800	Test Certificate Has to be provided
8	Working Humidity	: 10% to 90%	Vendor has to confirm
9	Colour Temperature	: Equal or greater than 5700 K	Test Certificate Has to be provided
10	Ingress protection and IK rating	: IP 65/IP 66 and IK Rating> IK 05 as per relevant IS/IEC standard	Test Certificate Has to be provided
11	Total harmonic distortion (THD)	: < 10%	Test Certificate Has to be provided
12	Colour rendering index	:Equal or greater than 70	Vendor has to confirm
13	Working Temperature	: 20 deg to 45 deg C	Vendor has to confirm
14	Average lighting/ beam angle	:Equal or greater than 170 deg	Vendor has to confirm
15	Lamp starting time	: Not more than 0.5 sec	Vendor has to confirm
16	Protection	: Over Load, Over Current, Short Circuit , high voltage and Surge Protection	Vendor has to confirm
17	System power efficiency	: > 95 %	Test Certificate Has to be provided
18	Luminary Casing	: Pressure die cast Aluminum with toughened glass cover and water proof fixture	Vendor has to confirm
19	LED thermal management	: LED shall be mounted on heat sink conductive aluminum with fins to dissipate the heat to ambient air	Vendor has to confirm
20	Pole entry/ Retro fitting	: Suitable for fixing in existing high mast with suitable bolt & nut	Vendor has to confirm
21	Warranty	: 1 Years	Vendor has to confirm
22	Driver board	:Details shall be given for getting spare or vendor must ensure for providing driver board after warranty period is over	Vendor has to confirm