

Annexure-A
Technical Specification of Energy efficient 70 Watt (+10%) High Bay Luminaire LED Light for FSIP, Jagdishpur

Spec No- IP/WEX/ELECT/LED/70

S.I NO	DESCRIPTIONS	OUR REQUIREMENTS	Remark	Vendor Response
1	General Specifications	Supply of High Bay LED Luminaire of 70 watt (+10%), min system efficiency 100 Lumen/watt, Lumen Maintenance 70% after 5000 Hr Burning, made of high pressure die cast Aluminum alloy housing SMD LED for working at ambient temperature range of 5 deg C to 50 deg C.	Vendor To accept and provide catalogue of the model quoted for	
2	LED optics & Specification	LED rating -70 watt (min)	Vendor To specify	
		CRI > 70	Vendor To specify	
		Color Temperature- 5700 K-6000 K (+/-100 K)	Vendor To specify	
		Wide Beam angle > 90 Degrees	Vendor To specify	
		Make of LED- CREE/NICHIA/BRIDGELUX/PHILIPS/LUMILEDS/OSRAM/TOSHIBA/ASTER/MITSUBISHI/NATION STAR/LG Innotek/GE only	Vendor To specify	
3	LED Driver	Potted Type Driver circuitry, insulated and mounted inside the luminaire. Driver Protection- Surge/Short Circuit/Over Voltage	Vendor to confirm	
4	Electrical Parameters of Luminaire	Rated Voltage : 220 - 240	Vendor to confirm	
		Working Range : 160- 260	Vendor to confirm	
		Supply Frequency (Hz) -50	Vendor to confirm	
		Power Factor >0.95	Vendor to confirm	
		THD <20%	Vendor to confirm	
5	Luminaire Specification	Driver Efficiency >85 %	Vendor to confirm	
		System Efficiency of Full Fixture > 100 Lumen/watt	Vendor to confirm	
		IP 65 or Higher	Vendor to confirm	
		Make of Luminaire - Crompton/Bajaj/Osram/Havells/Philips/Syska/Wipro/Surya/Eveready	Vendor to confirm	
6	Warranty	Complete Fixture should be covered under comprehensive on site replacement warranty for period of 2 years from date of acceptance of material	Vendor to confirm	
7	Documentation and Compliances	The fixture should comply with the parameters as per relevant provisions IS 10322, LED driver should comply with relevant provisions of IEC61000 for Harmonics, IEC61347, electrical safety IEC62384, performance and IEC61547 ed.2.0, 2009, CISPR-15 for EMI. LM79 and LM80 reports need to be submitted from a NABL/UL Approved Laboratory.	Vendor to confirm and submit LM79 and LM80 reports with offer	

Annexure-A

Spec No- JP/WEK/ELECT/POST/40

Technical Specification of Energy efficient 35-40 Watt (+10%) LED Decorative Post Top Luminaries for PSIP, Jagdishpur

S.I NO	DESCRIPTIONS	OUR REQUIREMENTS	Remark	Vendor Response
1	General Specifications	Supply of LED Decorative Post Top Luminaire of 35 -40 watt (+10%), min system efficiency 90 Lumen/watt, Lumen Maintenance 70% after 5000 Hr Burning, housing comprises of die cast Aluminium alloy powder coated in graphite grey and reflector aluminium bright anodized with sand blast and clear acrylic & spun aluminium reflector for working at ambient temperature range of 5 deg C to 50 deg C.	Vendor To accept and provide catalogue of the model quoted for	
2	LED optics & Specification	LED rating - 35 watt (min) to 40 Watt (+10%)	Vendor To specify	
		CRI > 70	Vendor To specify	
		Color Temperature- 5700 K-6000 K (+/-100 K)	Vendor To specify	
		360° indirect light Glare-free	Vendor To specify	
		Make of LED- CREE/NICHIA/BRIDGELUX/PHILIPS/LUMILEDS/OSRAM/TOSHIBA/ASTER/MITSUBISHI/NATION STAR/LG Innotek/GE only	Vendor To specify	
3	LED Driver	Potted Type Driver circuitry, insulated and mounted inside the luminaire. Driver Protection- Surge/Short Circuit/Over Voltage	Vendor to confirm	
4	Electrical Parameters of Luminaire	Rated Voltage : 220 - 240 Working Range : 160- 260	Vendor to confirm	
		Supply Frequency (Hz) -50	Vendor to confirm	
		Power Factor >0.95	Vendor to confirm	
		THD <20%	Vendor to confirm	
		Driver Efficiency >85 %	Vendor to confirm	
5	Luminaire Specification	System Efficiency of Full Fixture > 90 Lumen/watt	Vendor to confirm	
		IP 65 or Higher	Vendor to confirm	
		Make of Luminaire - Crompton/Bajaj/Osram/Havells/Philips/Syska/Wipro/Surya/Eveready	Vendor to confirm	
		Suitable for 60mm max. O.D. mounting pipe	Vendor to confirm	
6	Warranty	Complete Fixture should be covered under comprehensive on site replacement warranty for period of 2 years from date of acceptance of material	Vendor to confirm	
7	Documentation and Compliances	The fixture should comply with the parameters as per relevant provisions IS 10322, LED driver should comply with relevant provisions of IEC61000 for Harmonics, IEC61347, electrical safety IEC62384, performance and IEC61547 ed.2.0, 2009, CISPR-15 for EMI. LM79 and LM80 reports need to be submitted from a NABL/UL Approved Laboratory.	Vendor to confirm and submit LM79 and LM80 reports with offer	