



OFFICE OF THE SUPERINTENDING ENGINEER (P&W)
SHREE SINGAJI THERMAL POWER PROJECT, M.P.P.G.C.L.
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No. 515-1700/SSTPP/ PT-846/T-2019_MPPGC_47429/5418 **Dongalia, Date 21.09.2019**
TENDER SPECIFICATION / SCHEDULE

SUBJECT: Procurement of LED High bay lights for 2X600MW, SSTPP, Dongalia, Khandwa. As per attached Schedule.

The subject material is required as per the Technical Specification / schedule detailed here under:

TECHNICAL SCHEDULE:

Sl. No.	Item Description	Qty.
1	LED Light 100 W (High Bay Light)	100 Nos.
2	LED Light 150 W (High Bay Light)	150 Nos.
3	LED Light 200 W (High Bay Light)	150 Nos.

Make: Bajaj/Havells/CG/Wipro/Halonix/Eveready/or any ISI/IEEE std. make.

High Bay LEDs (Specifications)

Sl. No.	Input Power	Luminous Flux (Lumen)	Colour Temp.	Qty.
01	100 Watt	10000	5700 ⁰ K	100 Nos.
02	150 Watt	15000	5700 ⁰ K	150 Nos.
03	200 Watt	20000	5700 ⁰ K	150 Nos.

Technical Specifications

	100 W	150 W	200 W
CRI	>70	>70	>70
Power Factor	>0.95	>0.95	>0.95
THD (%)	<10 %	<10 %	<10 %
Operating Voltage (Vac)	120 -285	120 -285	120 -285
Surge Protection	15 kV	15 kV	15 kV
Working Temperature Range	-10 Deg. C to +50 Deg. C	-10 Deg. C to +50 Deg. C	-10 Deg. C to +50 Deg. C
Rating	IP 66	IP 66	IP 66
Impact Resistance	IK 08 or above	IK 08 or above	IK 08 or above
Driving Current	>350 mA to <1000 mA	>350 mA to <1000 mA	>350 mA to <1000 mA
Efficacy	120 lm/W	120 lm/W	120 lm/W

LED fittings should be ceramic based single chip high powered LED, fixture should be made of pressure die cast aluminium/ aluminium, Extrusion & clear flat toughened glass, company should have in house NABL accredited lab for luminary testing. The fixture should have lumen maintenance of at least 70 % at 50000 burning hours at ambient temperature of 35 Deg. C

Brand embossing on the housing for traceability till life, No stickering & screen printing would be accepted.

ALL Certificates should be submitted as per IS Standards mentioned below:

- 1) IS 16105-Measurement of lumen maintenance of LED source
- 2) IS 15885(Part I & II)-Safety of Lamp control gear
- 3) IS 16104-Performance requirement for Electronic control gear for LED modules

- 4) IS 16106 -Method of electrical and photometric measurements of solid state lighting products.
- 5) IS 16108-Photo biological safety of lamps and lamp systems.
- 6) BIS certificate to be submitted by bidder

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(A.S Rathore)
Superintending Engineer (Purchase)
SSTPP, MPPGCL, Dongalia