

Response to Prebid queires - Tender No: NEPPL/FY25-26/RFP/Street-Light/Orai-Bara

Sr No.	specs	Tender specs annexure c3	Bidder's recommendation	Response/Approved from NHIT
1	wattage	150w / 200w	considering 170lm/w LED luminaire efficacy the wattage can be reduced to approx. 15% thus saving electricity cost for up to 5 warranty period	150W / 200W or optimized wattage based on \geq 170 lm/w efficacy
2	CRI	not mentioned	70	The value of CRI should be equal or more than 70
3	CCT	5700k	5700k \pm 300k	Correlated Color Temperature should be between 5700 K (Nominal and variation as per ANSI)
4	Luminaire efficacy per watt	not mentioned	170lm /w	The system lumen output of the < 150-200 W LED Luminaire should be minimum of 150 Lumens/Watt supported with System lumens LM79 report at the time of sample / bid submission.
5	LED MAKE	not mentioned	OSRAM/CREE/LUMILED/BRIDGELUX	OSRAM/CREE/LUMILED/BRIDGELUX, Single chip ceramic base High power LED, LED operating Power 1W-3W, Output Ripple $<$ 10%.
6	THD	not mentioned	<10%	<10%
7	Driver efficiency	not mentioned	>85% 90% IP67, EMI/EMC compliant, Ripple less than 10%	Upto 750 mA and should be of single current rating (option for variation of drive current through hardware / switches is not required). BIS required for both Driver / Luminaire 140-270 Volt universal electronic potted driver with Internal surge protection of $>$ 10kV both CM and OM. Wide range of voltage to withstand the fluctuation 140-270V. The driver should be of potted type. The driver type I Driver Life $>$ 50Khrs at Max Declared TC / Driver Inbuilt Surge 4KV & 10 KV SPD inside the Luminaire
8	SPD	10kv	4kv internal + 10kv external	As per Above point no 7
9	IP	66	no change	66
10	IK	not mentioned	08	8
11	Maintenance of lumen output	not mentioned	100000hrs burning hours (L90 B10)	\geq 100,000 hours (L90 B10)
12	Input Voltage	not mentioned	220-240v	220-240v
13	Luminaire housing	Single piece aluminum pressure die casting housing with separate driver compartment needs to be ensured.	no change	Aero Dynamic Pressure Die cast (ADC 12) Aluminium of housing with corrosion resistant polyester powder coated With Micro vent technology. Aesthetically designed housing with Silver Grey colour corrosion resistant polyester powder coating. Fixture cover - Clear toughened glass Optical and Control gear compartment- IP 66 Impact resistance greater than or equal to IK 08 Structured LED array for optimized roadway photometric distribution with dedicated lens and meet road lighting standard. The LEOs, PCBs and lens should be mechanically fixed. No glue fixing should be allowed. Inbuilt tilting arrangement (-5Deg to 15Deg) for flexibility of installation & better light throw, spread & uniformity.
14	lux level	not mentioned	Min.40	Minimum 40 lux (as per road design)
15	Driver IP	not mentioned	67	IP67 - fully waterproof and dustproof.



16	lux level warranty	not mentioned	5 yrs	5 years, including lux-level guarantee.
17	Luminaire Manufacturer	not mentioned	OEM should have inhouse manufacturing & in LED Street light business for more than 10yrs	OEM with in-house manufacturing & minimum 10 years in LED street lighting.
18	Fixture color	LT Royal red Color	seems to be defined for particular OEM or light manufacturer	Standard industrial grey/black (or as approved)
19	Driver maintenance	driver should be easily maintainable from top/ Bottom, special hingeble mechanism to be Provided. The fixture be able to be maintained using a suitable allen key only.	driver should be easily maintainable from top/ Bottom - as per OEM design	driver should be easily maintainable from top/ Bottom - as per OEM design
20	Mounting	The Fixture should be able to pole as well as direct mounting	no change	The Fixture should be able to pole as well as direct mounting
21	DLP Period	The DLP period shall be five (5) Years from the date of issuance of taking over/completion Certificate by the employer to the Agency/ firm. The contractor will be responsible for defect liability period of complete five (5) year commencing from exact date of energization of all lighting poles. He will also be responsible for replacement all the defective material including LED lamps for full five years. Further, the warranty period for LED lamps is 5 years and the contractor will be responsible for repairing or replacing the LED lamps as per site requirement for 5 years. The Contractor shall ensure that all the materials supplied by shall be maintained in good working condition during the DLP.	Since Its a retrofit project requirement, Defect liability period may not be applicable, we can provide 5 years warranty against any manufacturing defects. However Defective lights can be brought down by NHIT, and rectifications/replacement of light can be provided at Ground level.	No DLP on retrofittings, Manlift will be provided by NHIT, however during 5 year warranty period, client will be responsible for rectifications/replacement of lights.
22	Lux Level	The contractor is required to submit a comprehensive design report, taking into account the actual TCS details provided with this RFP and findings from a physical site visit prior to submitting the bid.	In Tender Document Design requirement of 40 minimum Lux mentioned, as well as RFP is with BOQ based. Kindly confirm RFP is with BOQ based or Design based to be considered. In Case Design based require TCS (Typical cross sections to be provided to design the same.	Not required. However, the contractor shall ensure compliance with the performance criteria, i.e., minimum 40 lux levels on the highway.
23	Luminaire output	The light output should be greater than or equal 130 Lm / watt (Efficacy). LED Driver and Luminaire should be of same make.	Since the product warranty being provided by LED Luminaire manufacturer request to consider either same make or reputed specialised driver manufacturers as per the respective OEM recommendation	The system lumen output of the < 150-200 W LED Luminaire should be minimum of 150 Lumens/Watt supported with System lumens LM79 report at the time of sample / bid submission.



24	Driver Specifications	Driver should withstand 440V AC phase to phase for 50 degrees Celsius. The wattage of each LED should be greater than 1 watt less than 3 Watt Only high power Single white LED should chip with ceramic based suitable for outdoor use is allowed	As the technology evolved Request to consider along with ceramic LED kindly consider 1 to 5W High Power LED with required base of reputed LED Manufacturers	No Change.
25	Lux level	Product should achieve minimum 40 Lux at road level as per IRC SP:84 2019.	As the project RFP is based on BOQ, bidder cannot commit 40lux unless we receive Typical Cross Sections. Kindly provide us applicable TCS	No Change.
26	BoQ	Foundation Not Mentioned	In supply installation of Lighting poles, foundation part is not confirmed, please clarify on scope of Civil Foundation	Please refer updated BoQ
27	Color Grade	The fixture should be with LT Royal red Color powder coated with Nano Technology	Request to consider Color Grade and coating shall be as per manufacturer standard.	Standard industrial grey/black (or as approved)
28	Bidder Turnover/ Financial Capacity	Bid Capacity Bid Capacity 40Cr asked, PI Check	In case of lighting OEM are participating directly having >800Cr, please consider Last three years of audited financial reports and for contractors bid capacity may be considered	No Change.

