

Notice Inviting Quotations

NIQ Ref No: INKEL/RED/2024-25/NIQ/Solar Street lights/08

Date of Publishing: 19.06.2024

Name of Work : Supply, Installation, Testing and Commissioning of 30 Watts Solar Street Lightning system with existing Pole, MMS and Solar Module.

Mode of Submission: Password protected pdf on email ID tenders.re@inkel.in

Last date for Submission 24.06.2024

Technical Specifications for the Supply of Solar Street Lights, 62Nos.

LED	30Watts, 12V White Light Emitting Diode (W-LED) with minimum luminous efficiency of 130 lumen/watt
Luminaire	Minimum luminaire efficiency should be 120 lumen/watt
Colour Temperature	White colour (colour temperature 5000°-6500°K), the illumination should be uniform without dark bands or abrupt variations, and soothing to the eye. Higher light output will be preferred
Electronics Efficiency	Min 90% total
Duty cycle	Dusk to dawn without dimming
Lifetime	50,000 Hours
Light Housing	Aluminium with Powder Coating
Make of LED	NICHIA/ CREE/ OSRAM/ PHILIPS/Edison or equivalent
Charge Controller	MPPT
Warranty	5 years

Technical Specifications for the Supply of Batteries, 62Nos.

Battery	Lithium iron Ferro Phosphate Battery
Capacity	12V, 66AH
Standards	IEC 62133
Warranty	5 years
Make	Reputed

Scope of Work:

1. Supply of 30Watts, 12V LED Street Light and 12V, 66AH Batteries at Kanjirampally – Kanjiramkavala road, Kottayam District (62Nos) and Vellanad – Chattachal road, Trivandrum District (62Nos).

2. Installation of 30Watts, 12V LED Street Light and 12V, 66AH Batteries at Kanjirampally – Kanjiramkavala road, Kottayam District (62Nos) and Vellanad – Chattachal road, Trivandrum District (62Nos) in existing installed pole, existing installed Module mounting structure and existing installed 100 Watts Solar Module X 2 fitted on the top of the pole. Any additional accessories for the installation of Light and Battery shall be in the scope of Bidder.
3. Installation, Testing and Commissioning of Solar Street Lightning system at Kanjirampally – Kanjiramkavala road, Kottayam District (62Nos) and Vellanad – Chattachal road, Trivandrum District (62Nos).
4. Supply and Installation of all the accessories for the successful commissioning of Solar Street Lightning system.

Other Terms and Conditions:

1. Rate quoted shall be inclusive of Loading, Unloading, Transportation, GST, All taxes and duties, Supply, installation, testing and Commissioning of Solar Street Light system
2. Period of Completion – 15 days
3. 75% of the contract value shall be released upon successful delivery of materials at site and certified by Inkel Engineer. 20% of the contract value shall be released after commissioning of the system in all respect. 5% shall be released after DLP period of 2years.
4. GST portion will be released after the reflection of the same on GST2RB.
5. Delivery schedule shall be as stated in the NIQ and Purchase Order.
6. Any faulty/damaged material delivered shall be replaced free of cost by the Bidder upon notification by INKEL Ltd.
7. Validity of the Quotation is 30 days from the date of opening of quotation.
8. Bidder shall extend the bid validity by another 30 days, if so desired by the Purchaser.
9. The quoted price shall be deemed inclusive of expenses for conducting factory acceptance tests.

Price Details

SL No	Item	Unit	Rate/unit	Qty	Total Price	GST	Total Price (All Inclusive)
1	Supply of 30Watts, 12V LED Solar street Light & 12V, 66AH with all specification mentioned in Technical Specification	No		124			
2	Installation, Testing and Commissioning of 30Watts, 12V LED Solar street Light & 12V, 66AH with all specification mentioned in Technical Specification	No		124			
Grand Total							
Grand Total in words:							

Name, Address and Signature with seal of the Bidder