



Creating Infrastructure
A PPP INITIATIVE OF GOVERNMENT OF KERALA

Notice for Inviting Quotations

Ref No: IL/RED/NIQ/2025-26/SSL/011

**INKEL Limited,
Door No. 14/812 & 813 1st Floor, Ajiyal
ComplexKakkanad, Cochin Kerala - 682030
Phone: +91 484 2978101
Email: tenders.re@inkel.in**

1. ABSTRACT

Title	Notice Inviting Quotation for the replacement of Charge Controller, Luminary & Batteries of 30 Watts Solar Street Lightning system.
Reference No:	IL/RED/NIQ/2025-26/SSL/011
Mode of Submission of Bids	<p>The Bidder shall submit the quotation via Email to Email Id: tenders.re@inkel.in</p> <p>The subject of email shall be specified as “Supply, installation, testing, and commissioning of a 30-watt non-integrated solar street light”</p> <p>The price bid shall be submitted as password protected PDF File.</p>
Date of release of NIQ	19-08-2025
Last date & Time of submission of NIQ	27-08-2025 before 5PM
Contact Details for clarification	<p>Asst.Manager (RE) – 0484 2978101(Extn 505)</p> <p>Manager (RE) - 0484-2978101 (Extn 509)</p> <p>Email: tenders.re@inkel.in</p>
Date and Time of opening of NIQ	28-08-2025. Bidders should provide password during the online bid opening.

Interested bidders shall download the NIQ documents from INKEL website (www.inkel.in) and submit the Quotation online on or before the deadline mentioned above.

Kakkanad
19-08-2025

S/d
Head-Renewable Energy

2. PREAMBLE

1. INKEL LIMITED (INKEL) is a public-private partnership (PPP) company promoted by Government of Kerala. INKEL is an innovative PPP initiative which brings together Government Agencies, prominent global investors, NRI Industrialists and businessmen. It is engaged in setting up sustainable infrastructure models to address all the infrastructure requirements of industrialists and entrepreneurs in the state of Kerala.
2. INKEL is on track to emerge as a one stop destination for meeting the requirements of implementing large scale infrastructural projects that will be self-sustaining and an instrument for fast-track development of the State's economy.
3. INKEL Ltd offers services ranging from Project Concept development to the Completion and Handing over stage covering Sectors like Construction, Road & Bridges, Development of Industrial/Business Park, Engineering Design and Consultancy, PMC, Advisory & Management Consultancy, Education and Skill development, Health & Hospitality, Power, Facilities Management, Hi-Tech Agro and Renewable Energy.
4. Renewable Energy is one of the core departments of INKEL Limited and is involved in the implementation of solar PV projects throughout Kerala.
5. INKEL is carrying out the **"Replacement of Charge Controller, Luminary & Batteries of 30 Watts Solar Street Lightning system" at KK and VC Roads.**

3. ELIGIBILITY CRITERIA

The bidder must fulfil the following eligibility criteria;

- The bidder must be registered under GST.
- The bidder must have proven experience in the SITC of Solar Street Light in Last 3 Years.
- Bidder shall be Original Equipment Manufacturer (OEM) for street lights/ Authorised Dealer. In Case the bidder is a dealer, a Manufacturer Authorization Form (MAF) is to be submitted.

INKEL has the right to accept or reject any or all the applications without assigning any reason there of and their decision will consider as final. The Bidder shall send the quotation for **“Supply, installation, testing, and commissioning of a 30-watt non-integrated solar street light”** addressed via E-mail tenders.re@inkel.in. The last date for receipt of applications is **25-08-2025**

4. SCOPE OF WORKS & TECHNICAL SPECIFICATIONS:

4.1. Technical Specifications for the Supply of Solar Street Lights.

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/Equivalent
Charge Controller	MPPT
Warranty	5 years from the date of commissioning.

4.2. Technical Specifications for the Supply of Batteries.

Battery	Lithium iron Ferro Phosphate Battery
Capacity	12V, 66AH
Standards	IEC 62133
Warranty	5 years from the date of commissioning.
Make	Reputed

4.3. Scope of Work:

1. Supply of 30Watts, 12V LED Street Light and 12V, 66AH Batteries at

Kanjirampally- Kanjiramkavala road, Kottayam District 70Nos and Vellanad- Chattachal road, Trivandrum District 21 Nos.

2. Installation of 30Watts, 12V LED Street Light and 12V, 66AH Batteries at Kanjirampally – Kanjiramkavala road, Kottayam District 70Nos and Vellanad- Chattachal road, Trivandrum District 21Nos on existing installed pole using 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 and Vellanad – Chattachal road, Trivandrum District.

4. Supply and Installation of all the accessories for the successful commissioning of Solar Street Lightning system.

5. 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 – 30 days.
3. Validity of the Quotation is 30 days from the date of opening of quotation.
4. Delivery schedule shall be as stated in the NIQ and Purchase Order.
5. Any faulty/damaged material delivered shall be replaced free of cost by the Bidder upon notification by INKEL Ltd.
6. Bidder shall extend the bid validity by another 30 days, if so desired by the Purchaser.
7. The quoted price shall be deemed inclusive of expenses for conducting factory

acceptance tests.

8. The warranty for the materials supplied by the bidder shall be for 5 Years from the date of commissioning.
9. The bidder shall replace or rectify the defective street lights within 10 days of receiving the intimation (Written/Email) from INKEL Ltd at its own cost. In case the defects are not rectified within 10 days, INKEL shall be entitled to carry out the rectification of defects at Bidder's risk and cost, and recoverable from any pending or retention amounts.
10. The defect Liability period shall be for 5 Years from the date of commissioning. The bidder shall rectify any defects for the materials supplied by the bidder.

6. PRICE BID FORMAT (BOQ)

6.1. PART-A- Kanjirampally – Kanjiramkavala road, Kottayam District

Sl No	Item	Qty	Unit Rate	Total Price	GST	Total Price (All Inclusive)
1	Supply of 30Watts, 12V LED Solar Street Light & 12V, 66AH with as per the specification mentioned in the NIQ.	70 Nos				
2	Installation, Testing and Commissioning of 30Watts, 12V LED Solar Street Light & 12V,66AH as per the specification mentioned in the NIQ.	70 Nos				
Grand Total						
Grand Total in words:						

Note: Price shall be for carrying out the entire works as per the Scope of Work and Technical Specifications and all related works for executing everything necessary to complete the project satisfactorily in all respects as detailed in the Tender document.

Date:

Name of Bidder

Place:

Sign & Seal of the Bidder

6.1. PART-B- Vellanad – Chattachal road, Trivandrum District

Sl No	Item	Qty	Unit Rate	Total Price	GST	Total Price (All Inclusive)
1	Supply of 30Watts, 12V LED Solar Street Light & 12V, 66AH as per the specification mentioned in the NIQ.	21 Nos				
2	Installation, Testing and Commissioning of 30Watts, 12V LED Solar Street Light & 12V,66AH as per the specification mentioned in the NIQ.	21 Nos				
Grand Total						
Grand Total in words:						

Note: Price shall be for carrying out the entire works as per the Scope of Work and Technical Specifications and all related works for executing everything necessary to complete the project satisfactorily in all respects as detailed in the Tender document.

Date:

Name of Bidder

Place:

Sign & Seal of the Bidder

7. PAYMENT TERMS:

7.1. Part-A

- i. 95% of the contract value for Part-A shall be released within 15 days after successful completion of supply installation and commissioning of the 70 Nos of Solar Street Lights at Kanjirampally – Kanjiramkavala road, Kottayam District, as certified by the INKEL Project Manager. No advance payment shall be made.
- ii. The balance 5% shall be released after completion of the Defect Liability Period (DLP) of 5 years.
- iii. Any defective light identified during the DLP period shall be rectified by the Vendor within 10 days of receiving intimation (Written/Email) from INKEL. Failure to do so will entitle INKEL to carry out the rectification at the bidder's risk and cost, recoverable from the pending or retention amounts.
- iv. GST portion shall be released after the reflection of the same on GST2RB.
- v. The total quoted price shall be deemed inclusive of expenses for conducting factory acceptance tests.

7.2. Part-B

- i. 95% of the contract value for Part-B shall be released within 15 days after successful completion of supply installation and commissioning of the 21 Nos of Solar Street Lights at Vellanad – Chattachal road, Trivandrum District, as certified by the INKEL Project Manager. No advance payment shall be made.
- ii. The balance 5% shall be released after completion of the Defect Liability Period (DLP) of 5 years.
- iii. Any defective light identified during the DLP period shall be rectified by the Vendor within 10 days of receiving intimation (Written/Email) from INKEL. Failure to do so will entitle INKEL to carry out the rectification at the bidder's risk and cost, recoverable from the pending or retention amounts.
- iv. GST portion shall be released after the reflection of the same on GST2RB.
- v. The total quoted price shall be deemed inclusive of expenses for conducting factory acceptance tests.