

**GOVERNMENT OF MEGHALAYA**  
**DIRECTORATE OF COMMERCE & INDUSTRIES**  
*Lower Nongrim Hills, Opp. MES, Shillong-793003,*

*e-mail : [industries-meg@gov.in](mailto:industries-meg@gov.in)*

**SHORT NOTICE INVITING QUOTATION**

Date: 19<sup>th</sup> July, 2024

No. M/Dind/MSME/21/2024/8 Sealed Quotation affixing Court Fee Stamp of Rs. 400/- (Rupees Four Hundred) only are invited from the reputed Manufacturer/Authorised Dealer/Supplier for supply (including assembling, installation & commissioning) of Solar Street Lighting for the District Commerce & Industries Centres, Departmental Training Centres and Industrial Areas & Industrial Estates across the State of Meghalaya, under Upgradation of DCIC Training Centers, Offices and Industrial Estates through RAMP Programme, Ministry of MSME, Government of India. The destinations which are as follows:

Sl. No.	Item	Districts	Delivery and Installation Destination
1	Solar Street Lighting System	East Garo Hills	DCIC, Williamnagar
2			KTEC, Rongjeng
3			LBC, Industrial Shed, Williamnagar
4			Industrial Estate, Willaimnagar
5		North Garo Hills	DCIC, Resubelpara
6			Industrial Estate, Mendipathar
7		South Garo Hills	DCIC, Baghmara
8			KTEC, Baghmara
9		South West Garo Hills	DCIC, Ampati
10		West Garo Hills	DCIC, Tura
11			KTEC, Asanang
12			CBTC, Dakopgre
13			LBC, Cherangre
14			Industrial Estate, Tura

Quotations must reach O/o Directorate of Commerce and Industries, Plot No L/D 015, Lower Nongrim Hills, Shillong on or before the date and time mentioned below:

Last date of receipt of quotation	13/08/2024 at 3:00 PM
Opening of quotation	13/08/2024 at 4:00 PM

Quotations received after the above mentioned last date will not be considered.

The Quotations along with related documents will be scrutiny and evaluated by the Departmental Purchase Board Committee and Supply Orders will be issued accordingly to the firms based on the Quotation and documents submitted.

Details on the NIQ and specifications of Solar Street Lighting can be obtained from the departmental website – [www.megindustry.gov.in](http://www.megindustry.gov.in), or from office of the undersigned on any working day.

Sd/-  
Director of Commerce & Industries,

## Solar Street Lighting System – Technical Specifications

Integrated PV Module LED-based Solar Street Light with LiFePO<sub>4</sub> Battery with aesthetically designed outdoor lighting optic luminaire of IP 66, complete in all respect of given capacity, necessary control electronics-inter connecting wires/cables, module mounting, etc.

Dusk to Dawn Lighting with Automatic On/Off, operating from dusk to dawn first four hour full brightness, rest of the time at lower level, with motion sensor.

White Light Emitting Diode (W-LED) dispersed beam, free from glare and flickering, soothing to the eyes with the use of proper optics and diffuser and should not emit ultraviolet light

Type of LED (Light source)  $\geq$  20 Watt White LED type

Standard light profile, average lighting beam angle 120 degree,

Only indigenous modules of reputed brand IEC Tested/conforming to BIS Standards shall only be used.

Power output of PV Module  $\geq$  75 Wp at 16.4  $\pm$ 0.2 Volt at STC with minimum efficiency of 14%

Charge controller should be MPPT type and no load current should be  $<$  20 mA.

Battery capacity  $\geq$  12.8 V (nominal), 30 Ah Lithium Ferro Phosphate (LiFePo<sub>4</sub>) battery conforming to latest BIS standards.

The temperature of heat sink  $\leq$  20 degree centigrade above ambient temperature during operation

Thermal management system should be provided and LED must be mounted on heat conductive aluminum sink with suitable large area surface by means of fins to dissipate the heat to ambient air.

Over voltage protection and full protection against open circuit, accidental short circuit and for reverse polarity should be provided. The system should have protection against battery overcharge and deep discharge conditions.

Overall total Efficiency of the Electronics should be Minimum 90%

3 days or Minimum 36 operating hours per permissible discharge with fully charged Battery

Provided with 2 LED indicators: a green light to indicate charging in progress and a red LED to indicate deep discharge condition of the battery. The green LED glow only when the battery is actually being charged.

Ingress Protection = IP65 or better

Pole should be Hot Dip Galvanised pipe with provision to hold the luminaire.

Height of pole should be 5m above the ground level and 1m below the ground. Luminaire shall be at least 4.5m above the ground level.

Frame structure should have provision that the module can be oriented at the suitable tilt angle

Housing should be of pressure die cast aluminum with corrosion resistance polyester powder coated

Impact resistance > IK 08.

The PV module must be warranted for a minimum period of 25 years. The PV module must be warranted for output wattage, of the which should not be less than 90% at the end of 10 years and 80% at the end of 25 years.

With 3-5 years comprehensive warranty against any manufacturing defects & maintenance across the State of Meghalaya.

An Operation, Instruction and Maintenance Manual, in English, should be provided with the Solar Street Lighting System which must include basic principles of Photovoltaics, block diagram, components of the system, instructions on regular maintenance and troubleshooting, Do's & Don'ts, name and address of contact persons in case of non-functionality of the street lighting system.

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**TERMS AND CONDITIONS**

1. The Quotation with reference to this Letter/NIQ No. must be addressed to the Director of Commerce & Industries, L/D015, Lower Nongrim Hills, Shillong – 793003 and the words “Quotation for Supply (including assembling, installation & commissioning) of Solar Street Lighting for the District Commerce & Industries Centres, Departmental Training Centres and Industrial Areas & Industrial Estates across the State of Meghalaya” should be superscribed on the sealed cover containing the Quotation and other related documents.
2. Technical bid clearly mentioning “Technical Bid for of Solar Street Lighting for the District Commerce & Industries Centres, Departmental Training Centres and Industrial Areas & Industrial Estates across the State of Meghalaya” should be placed in a separate envelope inside the above mentioned envelope at Sl. 1.
3. Financial bid clearly mentioning “Financial Bid for Supply (including assembling, installation & commissioning) of Solar Street Lighting for the District Commerce & Industries Centres, Departmental Training Centres and Industrial Areas & Industrial Estates across the State of Meghalaya” should also be placed in a separate envelope inside the above mentioned envelope at Sl. 1.
4. Quotations must be neatly typed, and any deviation in the offer shall lead to rejection.
5. Quotations must be on the Letterheads of the Manufacturer/Dealer/Supplier mentioning full address, location of office, with telephone/mobile numbers, e-mail address, GST No., PAN, etc. clearly mentioning whether he/she is a Manufacturer/Dealer/Supplier.
6. Authorised Dealers must furnish a copy of valid up-to-date Dealership Certificate from the manufacturer.
7. Quotationers must mention full address, with telephone/mobile numbers, e-mail address, and GST No. on the envelope containing the Quotation.
8. The Quotation should accompany an undertaking to the effect that in case the supply of goods is found to be faulty and/or incomplete, the same will be liable to be rejected and will be required to be replaced by the concerned supplier within 15 days, at the destination.
9. The Quotation should also accompany an undertaking to the effect that the quotationer has never been blacklisted from any State/Central/Private Organisation or any other institution.
10. No offer received through e-mail or FAX shall be entertained.
11. Financial Bids will be opened only for qualifying Technical Bids
12. Rates quoted should be inclusive of all taxes at the destination as indicated above, clearly mentioning the Tax Component separately and should be accompanied by Catalogue/Test Report wherever applicable.
13. All quotations must be valid for at least 90 (Ninety) days excluding the date of opening of Quotations.
14. The model for each solar setup should be made specific and the rates quoted shall be for that particular type and quality. The Manufacturer’s Brand Name should be clearly indicated.
15. Warranty period must be indicated against each solar street lighting setup.
16. Quotations must be accompanied with attested copies of up-to-date and valid GST Registration Certificate, Income Tax, Professional Tax and Trading License (For Non-Tribal), else, the Quotation shall be considered as invalid.
17. Parties are permitted to quote 2 or 3 different models or brands for each type of solar street lighting setup.

18. Preference will be given to registered suppliers having after-sale service facilities in location, which should be clearly mentioned in the Quotation.
19. Earnest Money of `10,000/- (Rupees Ten Thousand) in the form of Demand Draft drawn in favour of the Director of Commerce & Industries, Meghalaya, Shillong should be submitted along with Quotation. For quotationers belonging to SC/ST, only 50% of the Earnest Money may be deposited, subject to production of certificate.
20. Earnest Money will be converted into Security Deposit for the successful quotationer and will be released after 3 months, only on satisfactory completion of delivery of all items, as per Supply Order. For the unsuccessful quotationer, the Earnest Money will be refunded after finalization of the Supply Order.
21. Successful quotationer must furnish a Security Deposit of 3% of valuation of supply order amount in the form of Bank Guarantee in Nationalised Bank or through Demand Draft. SC/ST quotationers may deposit 50% of the Security Deposit amount, subject to production of SC/ST certificate.
22. All items as per Supply Order must be dispatched to the respective (i) DCIC Offices (ii) Training Centres and (iii) Industrial Estates of the Department across Meghalaya.
23. Delivery of all items, as per Supply Order, must be completed within 30 (Thirty) days from the date of receiving the Supply Order.
24. Supplier should complete the work within the stipulated time, failing which, their performance Security Deposit will be forfeited by the office, for which an undertaking is required to be submitted along with the quotation.
25. Inspection of goods supplied will be carried out by the consignee or authorized personnel from the Department, at the destination, and rejected goods will have to be removed within 10 days from the date of dispatch of advice from the indenting officer, failing which the quotationer shall be responsible for loss.
26. The rejected goods must be replaced within 15 days of the dispatch advice by the indenting officer, failing which indenting officer will be entitled to plan its disposal without any further reference.
27. The undersigned reserves the right to accept or reject any quotation without assigning any reasons thereof or to change the supplier at any time, if the supplies if items are found to be incomplete or of inferior quality or bad workmanship, etc.
28. Completion Certificate should be obtained from the authorized personnel of the respective centres where the items have been delivered.
29. 50% payment will be released against delivery and inspection of the material and balance 50% payment shall be released within 45 days after having the inspection and installation report of the equipment/material.
30. The Security Deposit of the successful quotationer will be released after the completion of all related processes.
31. Penalty: The Director of Commerce & Industries, Meghalaya, Shillong reserves the right to impose 0.5% (Half) percent penalty per week on account of delay in supply, if delivery received after expiry of the original delivery period. The total penalty should not exceed 10% of the value of the delayed goods
32. If there is any dispute, the decision of the Director of Commerce & Industries, Meghalaya, Shillong shall be final. All disputes are subject to Meghalaya jurisdiction.

Sd/-  
Director of Commerce & Industries