

Indian Institute of Technology Delhi
Hauz Khas, New Delhi-110016 (India)

NOTICE FOR INVITING QUOTATION

Date: 05-11-2012

Due date: 20-11-2012

NIQ Ref. No.: IITD/CES/2012-2113/Quantum Efficiency measurement set-up for Solar Cells

General description: Quantum Efficiency measurement set-up to measure the incident photon to charge carrier efficiency of a Solar Cell.

ITEM DETAILS WITH TECHNICAL SPECIFICATIONS:

- [1]. **Type of Solar cell for measurement:** Inorganic and Organic solar cells.
- [2]. **Principle:** Monochromator based quantum efficiency measurement set up with automation.
- [3]. **Wavelength range:** Between 300 nm to 1100 nm.
- [4]. **Wavelength accuracy:** ± 0.5 nm.
- [5]. **Light Source:** Quartz Tungsten-halogen and/or Xenon lamps.
- [6]. **Detection Electronics:** Suitable for Inorganic and Organic solar cells.

Optional Items to be quoted separately

1. Reference diode: Wavelength range from 300 to 1100 nm.
2. Reference solar cell (Certified by any National Lab).
3. Integrating Sphere for the Internal Quantum efficiency measurement.
4. Temperature –controlled vacuum mount.

TERMS and CONDITIONS:

The quotations, in sealed envelope marked as “IITD/CES/2012-2113/Quantum Efficiency measurement set-up for Solar Cells”Address: Vamsi K. Komarala, Room No. 350B, Block-V, Centre for Energy Studies, IIT Delhi, Hauz Khas, New Delhi-110 016 **should reach before 5 pm on 20-11-2012.**

1. The prices quoted must include **CIF New Delhi Airport** charges.
2. **Technical and financial bids should be enclosed in separate sealed envelopes and clearly marked.**
3. Institute reserves the right to accept/ reject all/ any quotation without assigning any reason thereof.
4. List of users in India could be provided.
5. The delivery period should be clearly indicated in the quotation.
6. Submitted quotations should clearly mention the validity period, preferably for a minimum of **3 months**.
7. Incomplete and conditional submitted tenders would be summarily rejected.
8. The mode of payment should be clearly indicated. The preferred mode of payment is through irrevocable LC.
9. In case the quotation is being submitted by authorized agent of the principal manufacturing company, the AUTHORISED SALES AGENCYSHIP certificate from the PRINCIPALS should be furnished along with the quotation. Quotations without this authorization certificate will be rejected.
10. The quotation should include comprehensive **warranty for at least 1 year and service for how long**.
11. Special discount/rebate wherever admissible keeping in view that items are being procured for educational purpose in respect of Public Institution of national importance may please be indicated.
12. Vendors should attach the relevant brochure/leaflet for the models/options quoted. Without the relevant brochure/leaflet the tender will be rejected.

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