

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

**NOTICE FOR INVITING QUOTATION**

**General description:** Electrochemical impedance spectroscopy (EIS) setup for silicon, dye-sensitized and organic solar cells and associated software.

**EIS Specifications:**

EIS frequency range : 10  $\mu$ Hz to 5 MHz or more

Frequency resolution : 0.004% or better

AC amplitude of sinusoidal signal: 0.5 mV rms (or lower) to 0.3 V rms (or more)

Applied DC bias range : +/- 2 V or more

Software and data analysis : Associated software with data fit and simulation, circle finding, Data presentation using Nyquist, Bode, Admittance plots etc.

**Potentiostat/Galvanostat specifications:**

Cell/electrode connections : 2, 3 and 4

Potential range : +/- 10 V

Compliance voltage : +/- 10 V or better

Voltage accuracy : +/- 0.2% or better

Voltage resolution : 1  $\mu$ V or better

Input impedance : 1 T $\Omega$  or more

Maximum current : +/- 2 A or more

Current accuracy : +/- 0.2% or better

Current resolution : 0.003% of range or better

Potentiostat bandwidth : 1 MHz or better

Computer interface : USB preferred

Software : Associated software for potentiostat/galvanostat

## **TERMS and CONDITIONS:**

**The quotations, in sealed envelope marked as “IITD/CES/”** Address: Vamsi K. Komarala, Room No. 350B, Block-V, Centre for Energy Studies, IIT Delhi, Hauz Khas, New Delhi-110 016 **should reach before 5.30 PM on 05-09-2014.**

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 how long 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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