

Under Certificate of Posting

Department of Physics, Indian Institute of Technology  
IIT.P.O. Madras-600 036

Ref. No.

Date. 17.09.2013

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To

Dear Sir,

DUE DATE: 08.10.2013

1. Quotations are invited in duplicate for the item shown below/overleaf/ enclosed list.
2. The quotations duly sealed and superscribed on the envelope with the reference No. and due date, should be addressed to the undersigned so as to reach him on or before the due date stipulated above.
3. The quotations should be valid for sixty days from the due date and the period of delivery required should also be clearly indicated.
4. If the item is under DGS &D RATE CONTRACT, RC No. and the price must be mentioned. It may be also please be indicated whether the supply can be made direct to us at the Rate Contract price. If so, please send copy of the RC ( Please note that we are not Direct Demanding Officers)
5. Relevant literature pertaining to the items quoted with full specifications ( and drawing, if any) should be sent along with the Quotations, wherever applicable. Samples if called for, should be submitted free of charges, and collected back at the supplier's expenses.
6. **Local Firms** : Quotations should be for free delivery to this Institute. If Quotations are for Ex-godown , delivery charges should be indicated separately.
7. **Firms outside Chennai**: Quotations should be for F.O.R. Chennai. If F.O.R. consignor station, freight charges by passenger train/lorry transport must be indicated. If Ex-godown, packing, forwarding and freight charges must be indicated.
8. The rate of Sales/General Taxes and the percentage of such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim, for Sales/General taxes will be admitted at any stage and on any ground whatsoever . **The taxes leviable should take into consideration that we are entitled to have concessional Sales Tax applicable to non-Government Educational Institutions run with no profit motive for which a concession. Sales tax Certificate will be issued at the time of final settlement of the bill.**
9. Goods should be supplied carriage paid and insured.
10. Goods shall not be supplied without an official supply order.
11. Payment: Every attempt will be made to make payment within 30 days from the date of receipt of bill/acceptance of goods, whichever is later.

**Specification enclosed- Please send Technical and Financial bids separately.**

Yours Sincerely

**Dr. Somnath Chanda Roy**

**HEAD/CO-ORDINATOR**

## **Minimum Specifications for an 'Electrochemical Workstation'**

1. Linear Voltammetry and Cyclic Voltammetry with scan rate: 0.001 V/s (or lower) to 200 V/s (or higher)
2. 2- and 3- electrode configurations.
3. Applied potential limit:  $\pm 5V$  (or higher)
4. Measured current limit:  $\pm 80$  mA (or higher)
5. Minimum current measurement :  $\pm 10$  pA (or Lower)
6. Electrochemical Impedance measurement with frequency 1 milli Hz (or lower) to 1 Mega Hz (or higher)
7. AC Voltage for Impedance measurements: 1 mV (or lower) to 350 mV RMS (or higher)
8. Facility for Impedance vs. Time and Impedance vs. Potential measurements
9. Measurement of Open Circuit Potential vs. Time
10. External voltage input facility
11. Facility for interfacing and data communication through standard protocols such as GPIB/USB/RS-232
12. Software and PC: A Windows® based Software for measurements of functions stated above should be supplied. It should also have the facility for detailed data plots, CV and EIS data fitting and simulation. PC with suitable interfacing ports, memory and monitor should be included with fully functional software.
13. Training: On-site training for the operation of the hardware and software systems should be included.

### **Special Note:**

- **Please list the compatibilities with the required specifications in a TABULAR FORMAT.**
- **Electrochemical Cell and Electrodes and accessories should be listed as OPTIONAL ITEMS with price listed separately.**
- **Please send technical and financial bids separately.**