

**CENTRE FOR POLYMER SCIENCE AND ENGINEERING**

10<sup>th</sup> March, 2014

**Subject : NIQ for purchase of Electrometer/ High Resistance Meter**

Sealed quotations are invited in two bids, (technical and commercial in separate sealed Envelopes) kept in one sealed envelope for supply of **Electrometer/ High Resistance Meter** having the following specifications:

**SPECIFICATION FOR ELECTROMETER**

1. System should be capable of current measurement upto 20 mA.
2. System should have minimum current range of 20 pA.
3. Current resolution: 100 aA.
4. Input impedance : >200TΩ
5. Voltage measurement capability: 200- 250 V.
6. Voltage resolution: 10μV.
7. Resistance measurement upto :  $10^{14}$  -  $10^{16}$ Ω.
8. System should be able to measure resistance and resistivity.
9. Charge measurement capability: 2 nano -2 Micro Coulombs.
10. Charge Resolution : 10 femto Coulombs
11. System should have built in voltage source up to  $\pm 1000$ V.
12. System should able have GPIB, RS 232 communication.
13. Software should be provided with system for data collection.
14. System should have temperature and humidity measurement option along with V, I, R, C measurement.
15. Safety Universal Test Lead Kit should be supplied
16. Low Noise Triax Cable 3-slot Triax to alligator Clips (1 No.), Safety High Voltage Dual Test leads (1No), Thermocouple bead Probe (1No.)
17. System should have ption for 10 channel MUX card facility to log the data from 10 channels.

## GENERAL TERMS & CONDITIONS

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|----------------------------|--|
| i. Price quoted            | Please quote the prices on FOB, New Delhi mode inclusive of all taxes, freight and installation charges.   |
| ii. Terms of payment       | 100% payment within 30 days after receipt of goods in sound condition by means of Letter of Credit. IIT Delhi is exempted from paying excise duty/custom duty.   |
| iii. Validity of quotation | Quotations will be considered valid for 3 months from the date of receipt unless otherwise stated.   |
| iv. Correspondence         | No correspondence regarding the acceptance or rejection of a quotation will be entertained.  |
| v. Method of submission    | Quotation should be sent in a sealed cover marked at top our N.I.Q. REFERENCE and DUE DATE. Quotation should contain separately sealed (i) Commercial bid and (ii) Technical bid both in one main sealed cover. Quotations not satisfying the same will be rejected. |
| vi. Discount/rebates       | Keeping in view that the item supplied will be used for educational purpose special discount/rebate may please be stated clearly.  |
| vii. Compliance Statement  | Compliance statement against tender specifications must be submitted.  |
| viii. Warranty             | Three years comprehensive onsite warranty be provided and AMC beyond three years should be mentioned separately.   |
| ix. Delivery               | Please mention the delivery period after receipt of supply Order.  |
| x. Information:            | Detailed brochures should accompany the offer.   |
| xi. Agency certificate     | If the bidder is an authorized dealer/agent then the authorized Indian dealership/agency certificate from the principles should be enclosed.   |
| xii. Director's right      | Director reserves the right to accept or reject any or all quotations without assigning any reason whatsoever.   |

### Note:

1. Details of User List with phone number and email ID should be provided.
2. Complete set of manuals for the operation and servicing of equipment should be given. All circuit diagrams, other mechanical and electrical schematics must be provided to Main unit, sub systems and accessories.

Quotations must reach the office of Prof. Veena Choudhary, Head, Centre For Polymer Science and Engg, IIT Delhi, Huaz khas, New Delhi 110016 on or before 4PM on 24<sup>th</sup> March 2014.

Prof. Veena Choudhary,