

CENTRE FOR RURAL DEVELOPMENT AND TECHNOLOGY: DELHI

Dated: 16.11.2011
Due Date: 30.11.2011

NOTICE INVITING QUOTATIONS

On behalf of the duly constituted purchase committee, sealed quotations are re-invited for the following items for CRDT lab as per the technical specification mentioned against each.

MINIMUM SPECIFICATIONS FOR RHEOMETER

High Precision Air Bearing Rheometer for the measurement of different kind of Food Samples like Lubricant, Bio-oil, Fruit Juice, Fruit Pulp, Gel, Dough etc

- Minimum working Modes : Rotational & Oscillatory
- Torque Specification : Minimum – 250 μ Nm
Maximum – 100 mNm
Resolution – 0.5 μ Nm
- The Measurement motor should have either an advanced drag cup motor or an electrically coupled synchronous motor to give the best Oscillatory response.
- The rheometer should have automatic lift system with auto zero and thermo-gap functions for a reproducible and highly accurate positioning of the measuring geometries.
- Stainless steel measuring geometries should include the following:
 - i. Double Gap Cylindrical Measuring Geometry
 - ii. Cylindrical Measuring sensor
 - iii. Cone / Plate measuring geometry with low angle
 - iv. Parallel plate measuring geometry
- The rheometer should be equipped with a high resolution Digital Signal Processor technology and should be enable for precise measurement of the angular deflection
- Temperature control for Cylindrical measuring geometry in the temperature range of -10 to 200 deg C.

- Temperature control for Cone / plate & parallel plates in the temperature range of -10 to 200 deg C
- The rheometer should be driven by user-friendly, modular software that allows for creating and managing test profiles and programming of the tests.

Terms and Conditions

1. Quotations to be made in sealed envelopes. Technical and commercial bids must be sent separately in 2 sealed envelopes, subscribed with 'Technical Bid' or 'Commercial Bid' and then put together in one envelope addressed to Head, CRDT, Block III, IIT Delhi, Hauz Khas, New Delhi – 110 016.
2. Prices must be quoted CIF (Cost, Insurance and Freight), IIT Delhi.
3. Payment will be made through LC only. Name and address to whom LC is made out should be clearly specified.
4. **Two years Warranty** should be provided.
5. Please specify the list of consumables required along with the price separately.
6. Any applicable academic Institution discounts should be clearly mentioned.
7. Authorized distributors to provide the necessary certificate of distributorship.
8. Please provide a list of users to whom instrument have been supplied to, over the last 3 years.
9. Printed brochure should be provided.
10. The Institute reserves the right to accept or reject any or all the quotations without assigning any reason thereof.