

INDIAN INSTITUTE OF TECHNOLOGY DELHI

Department of Civil Engineering
Notice Inviting Quotations

NIQ No. IITD/Civil (Store)/2012-13

January 18th, 2013

Deadline: February 8th, 2013 (5:00PM)

Department of Civil Engineering wishes to purchase of equipment measuring both particle size and zeta potential using one equipment as per the specifications given below. Technical & Commercial bids (in two separate sealed envelopes) clearly labeled with note as “Quotation for equipment measuring both particle size and zeta potential (in single equipment)” should reach the following address on **February 8th 2013 by 5PM.**

Specifications:

- The system should be able to measure both particle size and zeta potential together of dispersed particles in liquid medium.
- Works based on dynamic light scattering
- Particle Size measurement range: 0.5 nm to 3 micrometer or higher.
- Sample volume for size measurement: at least 10 μ L
- Particle size for zeta potential measurement: 5 nm to 10 micrometer or higher.
- Size measurement angle: 90°
- Mobility range: $\pm 10\mu$ Cm/Vs
- Zeta potential voltage range: -220mV to 220mV
- Conductivity range: 0 to 200 mS/cm
- Temperature range: 2°C to 90°C \pm 2°C
- It should have condensation control
- Optical unit: 4 mW, 633 nm He-Ne Laser (conforming to the requirements of CDRH Class 1 and BS EN60825 Class 1)
- Operating system: Windows XP or higher
- Consumable kit should include folded capillary cell (of polycarbonate with gold plated electrodes and stoppers); glass cuvettes with stoppers; polystyrene cuvettes with stoppers; electrophoresis standards; test samples.
- Software should be able to analyze data on particle size and zeta potential measurements; prepare reports and perform statistical analysis.
- Installation kit should have software on CD, operation manual, cables, spare parts, fuses and other necessary accessories for complete operation of equipment

Quoted price should include all calibration samples and accessories needed for the system, and all the necessary installation and training provided by the vendor.

For any queries, please do not hesitate to contact undersigned.

Terms & Conditions

- A compliance chart is required for all the technical specifications mentioned above.
- Vendors should provide user list for the said item in India.
- If the items quoted are proprietary in nature, please enclose proprietary certificate from the principals stating “Certified that ----- is a proprietary item of M/s ----- and no other manufacture make these items”.
- Please quote prices at FOB basis in case of prices in foreign currency
- All prices should be in Indian rupees.
- Quotation should clearly mention installation & delivery charges. Clearly indicate whether the prices are inclusive of all taxes. Otherwise indicate all taxes separately.
- Special discounts/rebate wherever admissible keeping in the view that supplies are being made for an Educational institute may be indicated in the offer.
- Quotation should be valid for three months.
- A minimum of 1 year’s comprehensive warranty of the equipment is required.
- Additional warranty per annum may be quoted. This should be clearly shown in the technical as well as financial bid.
- The technical and financial bids should be sealed in separate envelops with proper labeling before putting them together in the sealed cover.
- Payment will be released after installation as per Institute’s rules as Letter of credit.
- Order must be delivered and installed within 4-6 weeks of receipt of order.
- Institute Reserves the right to accept/Reject any or all quotation without assigning any reason.

Name and Address for quotations:

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