Ref No: ChE/NV/OCT/01 Dated 25-10-2011

LAST DATE: 05-11-2011

Techno-commercial quotation is sought in closed sealed envelope to the undersigned on or before November 7, 2011, for the supply of **"Simultaneous TGA-DTA-DSC System"** with the following specific features of the instrument:

1. The system should be able to perform analysis for the samples such as carbon granules or carbon fibres, zeolite, silica, and polymeric materials, over the temperature range between RT to 1600°C with the accuracy of +/- 0.5°C, with the samples following the programmed temperature up to 1600°C at the heating rate of 0.01 to 100 K/min for 10 min without any thermal lag. A horizontal furnace is required to give stable weight signal.
2. The equipment must have a parallel guided ultra micro balance (< +/- 10ug for the full temperature range), independent of sample positioning and auto calibration facility.
3. Thermostat for ultra micro balance and furnace must have minimal drift, with temperature accuracy of +/- 0.01 °C.
4. The system should have facility for calibration with certified pure metal standard for the full temperature range up to 1600C. System should not require recalibration when changing crucible, gases and heating rates.
4. The equipment should have the option for upgrading in future with dynamic mechanical analyzer (DMA) as well as the EGA, compatible with FTIR, GC, and MS, etc.
5. All accessories including alumina crucibles, Pt wires, laptop (Branded), laser printer, flowmeters, UPS 5KVA should also be quoted.

Terms & Conditions:

(i) Prices should be on FOB basis
(ii) Prices should include installation and on-site training
(iii) Warranty should at least be for three year.
(iv) Validity of quotation should be at least for 60 days
(v) Authorized agents must attach proper agency certificate issued by principal supplier within 1 month.
(vi) Attach proprietary certificate in case manufacturer is sole manufacturer.

Kindly send your best offer (Technical & Commercial) so as to reach us on or before November 05, 2011 to the following address. Kindly mention the enquiry number and last date on the top of envelop.

Nishith Verma
Professor
Chemical Engineering Department
Indian Institute of Technology Kanpur
Kanpur – 208016, India
nishith@iitk.ac.in (email)
091-512-2596124 (Phone)
091-512-2590104 (Fax)