



UNIVERSITY OF KASHMIR
(NAAC Accredited Grade-A)
Hazratbal, Srinagar
190006, J&K, India

DEPARTMENT OF CHEMISTRY

A DST Assisted Department under FIST
UGC Assisted Department under SAP

Ref: KU2017-CHEM-

Dated: 22-02-2017

Tender Notice

The Department invites sealed tenders duly affixed with revenue stamp worth Rs. 5/= from the manufacturers, their representatives/ registered companies /authorized dealers for the supply of Simultaneous Thermal Analyser (STA) and Dynamic Light Scattering (DLS)/ Particle Size Analyser. The registered suppliers shall submit their quotations (technical and commercial) in the office of the undersigned by or before 04-03-2017 upto 4:00 PM alongwith CDR worth Rs. 10,000/= pledged to Head, Department of Chemistry, University of Kashmir. The specifications of the aforesaid equipments can be downloaded from the University Website (www.kashmiruniversity.net).

Specifications

1. Simultaneous Thermal Analyser (TG-DTA/DSC)

Temporary range : Ambient to 1200°C/1400°C/1600°C
Heating rate : 0.01 – 100°C/minute
Temperature Precision : ±0.05°C
Inclusive of all basic accessories and cooling unit

- a) **T.G** : Resolution 0.1 – 0.5 μ g; sample weight 25 – 35g including weight of crucible, measuring range 25/400/500 mg ; Balance horizontal/vertical type top
- b) **DTA** : Resolution 0.03 – 0.05μV; Sensitivity 1.5 – 2.5μV/mW; measuring range 250/2500μV
- c) **DSC** : DSC sensors E/K/S/R/B; resolution 0.3/ 0.4/1/1.2μW; sensitivity /noise 4/6/ 7.6/22.5μW

2. Dynamic Light Scattering Instrument,

Measurement of particle size. Zeta potential, molecular mass, A2 and transmittance. Temperature control range: 0°C – 90°C ± 0.1°C

a) Particle size specifications:-

Range : 0.3 nm to 5μm/10μm
Sample volume : Minimum 20 - 25μL
Measurement angles : 15°, 90°, 175°



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b) Zeta Potential Measurement Specifications:

Zeta Potential range : $> \pm 600\text{mV}$
Zeta Potential Size range : $3.8\text{nm} - 100\mu\text{m}$
Maximum sample Conductivity: $150 - 200 \text{ mS/cm}$
Signal Processing: Continuously monitored Phase Analysis Light Scattering

c) Molecular Mass Measurement Specifications:

Molecular Mass Range : $1 \text{ KDa} - 20 \text{ M Da}$
Measurement angle : 90°
Lowest Concentration : 0.1 mg/mL
Limit

Terms & Conditions:

1. The bids must be accompanied with company price list. The price quoted should be inclusive of all taxes and F.O.R Srinagar.
2. The firm should possess the valid TIN and same should be quoted on the tender documents
3. The Suppliers shall clearly indicate both in words and figures maximum discount they can offer to the University of Kashmir on the rates quoted by the manufacturers.
4. Latest VAT clearance and stockiestship certificates with proper seal and signatures of the concerned Company/Firm/Office must be appended with the tender documents, otherwise it will be rejected.

Sd/
(Professor G.M. Peerzada)
Coordinator UGC – SAP

No. F(Pur-Equip-Chem)/KU/17

Dated: 22-02-2017