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Dated: 29/08/2012

Closing date: 05/09/2012

Enquiry no.:- AKT/BSBE/05

Request for submission of quotation for “Fourier Transform Infrared Spectrometer (FTIR)”

Sealed quotation(s) are required on or before 05/09/2012 August, 2012 latest by 5.00 pm with all technical specifications as mentioned below.

1. Specifications of Spectrometer:

- a. Spectral range = 200 to 9000 cm^{-1}
- b. Details about resolution, apodized resolution = Better than 0.5cm^{-1}
- c. Signal to noise ratio, Sensitivity, Scan speed and Frequency repeatability
- d. Photometric (Better than 0.1% T) as well as Frequency accuracy (Better than 0.01 cm^{-1})

2. Specifications of optical bench:

- a. Source
- b. Beam splitter made up of non-hygroscopic material like ZnSe
- c. Interferometer, Detector and A/D converter information
- d. Sample compartment (Information regarding size, number of samples that can be put at a time for analysis, Configuration, Adjustments etc.)
- e. Cells for sample analysis/ATR: Soluble Proteins, protein aggregates, nanoparticles, thin films, solids

3. Instrument-Computer interface specifications:

- a. User friendly Software(s) needed to run instrument and all programmes
- b. Databases to be used as references for samples like proteins and peptides

4. Accessories:

- a. Please mention the possible accessories which can be fitted with instrument and state the purpose of each with respect to function and specification

Please provide detailed description of all the parts of the system. Also provide separate lines for **initial price** and **discounted price**, **time** required for delivery and **minimum days of validity** for quotation. Also mention the **warranty period** for the instrument along with maintenance schedule.

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