

RGUKT invites sealed tenders from reputed manufacturers/authorized representatives for supply and installation of “FOURIER TRANSFORM INFRARED SPECTROMETER and accessories” with following specifications for Chemistry Department in RK Valley campus, Kadapa dist., RGUKT.

FT-IR Spectrometer and accessories with following specifications

1. *Spectral range*: 8000 to 350 cm^{-1} (standard), and 15000 to 30 cm^{-1} (optional extended range).
2. *Wave number accuracy*: $\pm 0.01 \text{ cm}^{-1}$.
3. *Resolution*: 0.4 cm^{-1} or better.
4. *Signal to Noise ratio*: 45000 : 1, peak to peak at 4 cm^{-1} resolution in one minute time scan or better.
5. High intensity ceramic source of light. Optics should be with high performance suitable coatings.
6. Diamond ATR accessory.
7. Detector: DLATGS with temperature control.
8. Beam splitter change over should be fully software controlled with motorized hardware, without any manual interruption.
9. Sample Compartment: Large sample compartment with cover suitable for all IR accessories
10. Michelson interferometer (non-mechanical bearing) for fast scanning, self compensating for dynamic alignment changes due to a tilt and shear incorporating high reflectivity.
11. Nitrogen gas purging accessories should be provided with the instrument.
12. Compatible branded PC with USB 2.0 for communication, Laser printer, online UPS with 30 minutes backup.
13. System software for complete data analysis should be given at free of cost with instrument.

14. A minimum of two years warranty on complete system including accessories from the date of installation and satisfactory report.

Interested parties can send their sealed tenders along with **Demand Draft of Rs. 500/-** payable to **REGISTRAR, RGUKT** from any Nationalized Bank towards tender processing fee. Your tenders along with DD should be kept in a sealed master envelope super scribed “Tender for supply and installation of FOURIER TRANSFORM INFRARED SPECTROMETER”. The sealed tenders should be deposited in the Tender box kept in the office of Registrar, RGUKT, Hyderabad up to **5 P.M. on 27.03.2015**.

For any clarification and further details on the above please contact Telephone No: 040-23001830 or Contact Person during office hours. The sealed tenders may be sent by post or courier also to below address.

Office Address:

The Registrar
Rajiv Gandhi University of Knowledge Technologies
Ground Floor, Vindhya C4 Building,
IIIT-H Campus, Gachibowli, Hyderabad - 500032
Telangana
Registrar Office Fax: +91 40 23001830

Sd/-

Registrar