



RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES
(Act 18 of 2008)
Mudhol Road, Basar, Nirmal District

E-mail: director.bas@rgukt.ac.in

Visit us at: www.rgukt.ac.in

Ref No: RGUKT/Basar/Proc/Chemistry/FT-IR/2017, Date: 17.02.2017

RGUKT invites sealed quotations from reputed manufacturers/authorized representatives for supply and installation of "FOURIER TRANSFORM INFRARED SPECTROMETER and accessories" with following specifications for Chemistry Department of Basar campus, 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. 1000/-** payable to **Director, RGUKT, Basar** from any Nationalized Bank towards tender processing fee. Your quotation along with DD should be kept in a sealed master envelope super scribed as "Quotation for supply and installation of FOURIER TRANSFORM INFRARED SPECTROMETER". The sealed quotations should reach office of the Procurement Section, RGUKT, Basar, Nirmal District, Telangana before **5 P.M. on 24.02.2017**.

For any clarification and further details on the above please contact Mobile No: 8886855562 or Contact Person during office hours. The sealed tenders may be sent by speed post only to below address.

Office Address:

Procurement Section, Omega - 11
Rajiv Gandhi University of Knowledge Technologies
IIIT Basar, Mudhol Road, Nirmal District
Telangana - 504107

Sd/-

Director