

CENTRE FOR NANOSCIENCE & NANOTECHNOLOGY

Block-II, South Campus, Sector-25,
PANJAB UNIVERSITY, CHANDIGARH-160 014 (INDIA)



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NSNT/2765-2768

Dated: 14.09.2016

Notice Inviting Quotations

Dear Sir,

Please quote Technical and Financial bid (in two separate envelopes) for the supply of following item/s to the Coordinator, Centre for Nanoscience & Nanotechnology, P.U., Chandigarh as per specifications:-

Sr. No.	Name of Item	Expected Quantity
1.	Fourier Transform Infrared Spectrometer (FTIR) as technical specifications attached	01

The quotations must reach in a sealed cover by 29.9.2016 at 5.00 p.m. along with your other terms and conditions of supply, if any.

LAST DATE OF RECEIPT OF QUOTATIONS 29.9.2016 AT 5.00 P.M.

OPENING OF QUOTATIONS: 30.9.2016 AT 3.00 P.M.

Note:- The quotation must reach by Hand or Registered Post or Speed Post on or before 29.9.2016 at 5.00 p.m. on the following address.

Coordinator
Centre for Nanoscience & Nanotechnology
Block-II, South Campus, Sector – 25,
Panjab University, Chandigarh - 160014.

- 1. MOST IMPORTANT:** The Bidders are requested to attach the EMD Demand Draft total value of 2% of the quotation/proforma Invoice in the name of '**Coordinator, Centre for Nanoscience & Nanotechnology, P.U., Chandigarh**', without EMD Draft quotation/proforma invoice will not be entertained.
- 2.** Please quote Technical and Financial bid (in two separate envelopes) with EMD.
- 3.** Panjab University, does not take any responsibility for any postal delay in delivery by Registered/Speed Post or lost in transit of quotation.
- 4.** We have been exempted from paying Custom Duty vide Govt. of India notification No.51/96-Customs dated 23rd July, 1996 and Central Excise Duty exemption in terms of Government Notification No.10/97-Central Excise dated 1 March, 1997 and is valid upto 31.8.2020.
- 5.** Rate should be quoted both in words and figures in **financial bid only**.
- 6.** Conditional and unsigned quotation will not be accepted.
- 7.** The supply be commenced/made within 15 days of the issue of supply order.
- 8.** All quoted rates should be FOR Panjab University and firm should quote the rate of all taxes.
- 9.** No payment will be made on the Performa invoice.
- 10.** The quotation shall not contain corrections, erasers and overwritten.
- 11.** The undersigned reserves right to accept or reject any quotation without assigning any reason.
- 12.** Special Discount for educational institutions, University teaching department may be mentioned.
- 13.** Quotations will be opened on **29.09.2016 at 03.00 p.m.** and you may depute your representative at the time of opening of quotations.
- 14.** The quotation (Technical & Financial bid with EMD) in a sealed envelope giving our/ your reference No./ Date of quotation should be sent after affixing the required postage stamps. The quotation may sent by POST (as far as possible)/BY HAND.

A. Technical Specifications

Specification

Yes/No

1.	Fourier Transform Infrared Spectrometer (FTIR) as technical specifications attached
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Thanking you,

Yours Sincerely



 Coordinator, Centre for Nanoscience & Nanotechnology
 Coordinator
 Nanoscience & Nanotechnology
 Centre for Emerging Areas in
 Science & Technology
 Panjab University Chandigarh



Technical Specifications to supply Fourier Transform Infrared Spectrometer (FTIR)


Guaranteed specifications must be demonstrated at the time of installation)

Specifications	Details	Please mention (Yes/No)
Essential		
Make	PERKIN ELMER, SHIMADZU, JASCO, THERMOSCIENTIFIC, BRUKER	
Description	<p>The instrument should be provided with</p> <ul style="list-style-type: none"> Fully controlled by external PC. Completely sealed & desiccated optics, Data handling and control with software. The system should be equipped with ATR attachment along with ZnSe crystal kit, which can analyse Liquid, solid, powder, and Thin film samples 	
Spectral Range	7800 - 350 cm ⁻¹ (Mid-IR) with KBr beam splitter or better	
Spectral resolution	0.7 cm ⁻¹ or better	
Wavenumber accuracy	±0.01 cm ⁻¹ or better	
Signal-to-noise:	Minimum 25,000:1 p/p @4 cm ⁻¹ for 1 min scan.	
Detectors:	High sensitivity DTGS/DLaTGS	
Beam Splitter	Ge/KBr	
Light Source	High intensity ceramic light source	
Interferometer	Sealed structure, corner cube mirrors, auto-alignment, DSP control	


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Interferometer Drive Mechanism	Mechanical bearing, electromagnetic drive	
Interferometer Drive Speed	2, 4 mm/sec	
Scanning speed	Rapid scan for kinetic analysis	
Purge	Standard (Interferometer, sample compartment, detector)	
Software and Interface	A branded PC (Processor i3 or higher) with genuine OS, minimum of 500 GB storage capacity, RAM (minimum 4 GB). All required software should be provided with the system along with the user manuals. Appropriate UPS should be provided for the instrument. Any additional tools (power cables, network cables, screw driver, etc.) required for the handling of the FTIR spectrometer should be provided.	
Power	100 – 240 V AC (50/60 Hz, compatible with Indian standard)	
Warranty:	One years	
AMC	Comprehensive Annual Maintenance Contract Beyond Warranty Periods 1 or more years (Rates to be quoted on yearly basis)	
Installation and training	Installation and training should be provided at the installation site.	
Optional (Preference shall be given for those who meet the defined technical specifications)		
Attachment for powder samples	Demountable Diffusive Reflectance (DR) Attachment (for Powder sample)	
Sealed Liquid Cell	Demountable liquid cell for liquid Sample transmission mode , Magnetic Film Holder	


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