

NATIONAL INSTITUTE OF TECHNOLOGY  
KURUKSHETRA-136119

No. SCH/17/03/792

Dated: 15/02/17

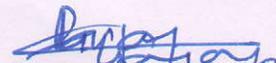
M/s INSTITUTE WEBSITE

**Sub: INVITATION OF QUOTATIONS FOR FTIR SPECTROPHOTOMETER**

1. You are invited to submit your most competitive quotation for the following goods:

Sr.No.	Brief Description & Specifications of Goods	Quantity
1.	FTIR Spectrophotometer  (Detailed Specifications are attached)	01 Nos.

2. Necessary literature of the goods may please be sent to facilitate to take decision.
3. All duties taxes and other levies payable by the Institute shall be included in the total price. This Institute does not issue Form C or D.
4. Payment will be made Online through RTGS/NEFT within 30 days after receipt of material in good condition and according to specifications. The Bank detail for making online payment may be indicated in the quotation.
5. The supplier shall deposit Earnest Money alongwith the Quotation amounting to Rs. 20000 /- in shape of Accounts Payee Demand Draft, Fixed Deposit Receipt, Bankers Cheque or Bank Guarantee from any commercial Bank in favour of the Director, National Institute of Technology, Kurukshetra. The Quotations without Earnest Money shall be rejected, the EMD will remain valid for a period of 45 days beyond the final validity period of quotation.
6. Performance Security @ 05% of the total value of the equipment may be furnished in shape of Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any Commercial Bank in favour of the Director, NIT Kurukshetra valid upto 60 days after the date of completion of warranty .
7. The items must be supplied within delivery period or delivery period extended by the Institute on the request of the supplier on genuine grounds otherwise the penalty for delayed period @ 0.5% of the amount shall be charged for every week or part thereof and the maximum 10%..
8. The goods are not required exclusively for Research Purpose. The Duties are payable by the Institute.
9. The quotation should remain valid for a period not less than 60 days from the date of submission.
10. The right of accepting or rejecting any quotation and to cancel the bidding process and reject all quotations without assigning any reason is reserved with the Institute.
11. The due date for receipt of quotation is 06.03.2017 and will be opened on next working day. Please quote on the top of the envelope our Ref. No. and due date of opening.

  
Deputy Registrar (I/c Stores)

### Technical Specifications of FTIR Spectrophotometer

Basic System:	High performance high resolution FTIR system should be fully PC/software controlled
Spectral Range:	7800 to 350 $\text{cm}^{-1}$ or better with KBr beam splitter.
Resolution:	0.5 $\text{cm}^{-1}$ better; e vendor must demonstrate a spectral resolution of 0.5 $\text{cm}^{-1}$
Signal to noise ratio:	30,000:1 peak to peak 4 $\text{cm}^{-1}$ resolution or better
Light source:	High-energy long life IR source
Interferometer:	Michelson interferometer, Sealed and desiccated Interferometer
Detector:	DLATGS Detector with temperature Control mechanism
Atmospheric Compensation:	System should have minimizes effect of atmospheric water and CO2 etc on the sample spectra without the need for reference or calibration spectra
A/D converter:	24-bit
Software:	Windows 7 based Software should have built-in validation program. System should have self diagnostics after Initialization. Software should have provision for creation of user library. Should have search functions like Spectral search, Peak search, Text search and combination search. Should have programs like Postrun, Spectrum, Quantitation, Photometric. System should be quoted with spectral libraries of atleast 10,000 spectras or more
Accessories:	<ul style="list-style-type: none"> <li>a) Fixed Thickness cell for Liquids for Transmission Spectra</li> <li>b) Demountable cell with NaCl/KBr windows for Gels/Pastes for Transmission Spectra</li> <li>c) Oil free Hydraulic Press, agate mortar pestle, pellet holder, KBr die set etc from Principal abroad not from local sources/make</li> </ul>
PC, Printer, UPS:	Branded PC Core i3, 4 GB RAM, 500 GB HDD, 19" or higher LCD/LED, Optical Mouse & Laserjet printer, Suitable capacity Online UPS with minimum 30 minutes back up for PC and Spectrophotometer
Warranty:	Three Years

