



Indian Institute of Technology Kanpur

Samtel Centre for Display Technologies

Enquiry number: SCDT/FlexE/2015-16/07

Date: 21/08/2015

Quotations from prospective vendors are invited by Samtel Center for Display Technologies, IIT Kanpur for Fourier Transform Infrared spectrophotometer along with the IR microscope.

Note: **The technical and financial bid should be submitted together in separately sealed envelopes.** The Fourier Transform Infrared spectrophotometer along with the IR microscope must have following minimum technical specifications.

	Specifications	Company specifications and model number of system	Complies/Does not comply/Not applicable
1.	System should be compatible for Solid, liquid, and thin film samples. Holder for all kind of samples should be included in the quote.		
2.	It should have Working spectral range from 8000-400cm ⁻¹		
3.	The Beam source should be ceramic or Hg-arc. and Please mention power		
4.	System should be equipped with KBr Beam splitter.		
5.	All the optics /mirrors must be coated with highly reflective materials.		
6.	The Spectrometer enclosure should be properly sealed and moisture resistant. & If there is any special kind of prevention taken care by your company, please mention.		
7.	It must contain type of detector Either DTGS or MCT.		
8.	It should have Single to noise ratio should be not less than 50000:1 peak to peak in 1 min scan or better.		
9.	The Wavelength precision should be 0.01cm ⁻¹ or better.		
10.	The Resolution should be better than 0.4cm ⁻¹		
11.	It contain Photometry performance which should be better than 0.1%T		
12.	It should contain type of interferometer and its optical design should be provided along with the technical bid. Warranty on interferometer should be at least 5 years		
13.	It should be stable enough for rugged use.		
14.	The Spectra collection rate should be minimum as 25 spectra per second		
15.	It should have Minimum input/output port for external measurement, which		

	should be 3.		
16.	It should have future up gradation with TGA and Imaging shall be possible.		
17.	The system should be quoted with diamond ATR and should include all accessories required for the measurement.		
18.	Supplier should provide FTIR data acquisition software with latest hardware configuration		
19.	The ATR accessories should be quoted as optional items <ul style="list-style-type: none"> • It should have reflection accessories with 15-80° variable angle for grazing angle measurements. • The Polarizer compatible with suggested range. • Any other accessory. 		
20.	<u>IR microscope with the specification as follows. Accessories should be included as optional.</u> <ol style="list-style-type: none"> a) The Working range start from 8000-600cm⁻¹ or better b) It contain LED illuminated c) It should be 15x IR objective equipped with micro ATR d) Containing 4x glass objective e) It should have Video camera for optical imaging f) The Binoculars with adjustable eyepiece g) It contain Focussing optics h) It should have Motorised stage with min 126x76mm travel i) It contain Grazing angle measurement (variable and fixed angle) j) It should include polarizer kit k) It should have Ge ATR objective 		
21.	Two year Warranty(first & second year) This is mandatory with the system		
22.	<u>Price CIF/FOR Kanpur</u>		
23.	One year warranty (third year) Optional		
24.	Three year AMC (third, fourth and fifth year) optional		
25.	Two year AMC(fourth & fifth year) optional		

Terms and Conditions:

1. Supplier/Vendors should submit technical and financial bid together in separately sealed envelopes.
2. Evaluation will be done on the basis of technical specifications format provided as per our tender notice
3. Supplier who have experienced in FTIR System with Accessories along with the IR microscope and supplied in the national and international institutions will be preferred.
4. Financial bid will be open only for those, who meet tender technical specification.

5. The format for specification and complies statement is same as provided tender sheet for supplier/vendors for submitting technical specification in their own letter heads.
6. Please do mention tender number clearly on envelop.
7. Please send the name and contact details of the person to whom company had supplied a similar systems. Committee may ask for the feedback.
8. Vendors should have to submit the detail's designed as per tender specification.
9. Optical design should be submitted along with the technical bid.
10. The supplier must have supplied systems to institutions of national and/or international repute.
11. Quotation must indicate CIF Kanpur prices.
12. Payment terms & condition is 70% against delivery, 20% after installation and 10% after successful running of equipment for 3 months & approval.
13. Warranty/Guarantee should be clearly mentioned. The Warranty must start from the date of installation at IITK.
14. Installation, demonstration, and training-sessions at IIT Kanpur will have to be provided by the manufacturer or the vendor for the quoted system.
15. Quotation should carry proper certifications like proprietary certificate, authorization certificate from manufacturer, etc.
16. Validity of quotation should be at least for 60 days.
17. Maximum educational discounts should be applied.
18. Institute is exempted for partial custom duty (CD applicable to IIT Kanpur is 5.15%).
19. Institute is exempted from payment of Excise Duty under notification No. 10/97.
20. The delivery period should be specifically stated. Earlier delivery may be preferred.
21. The indenter reserves the right to withhold placement of final order. The right to reject all or any of the quotations and to split up the requirements or relax any or all of the above conditions without assigning any reason is reserved.

Kindly send the quotation in sealed envelope latest by 3:00 pm on dated 03/09/2015 to the following address:

To,
Dr. Monica Katiyar
Room No.305,
Samtel Centre for Display Technologies (SCDT),
Indian Institute of Technology Kanpur,
Kanpur – 208016,
Uttar Pradesh, India