

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE

Jadavpur, Kolkata – 700032

Tender Notice

NIT No. IACS/Org. Chem/ Dr. S. Sinha /2016-17/72

Date; 27/12/2016

Sub: “ Procurement of “Fourier Transform Infrared (FT-IR) Spectrometer”

Sealed tender in two bids system (**Technical Bid & Price bid**) is invited from bonafide, resourceful and eligible manufacturer/exclusive distributor/vendors for “Fourier Transform Infrared (FT-IR) Spectrometer” with the following specifications & Accessories. Part – I (Technical Bid) of the tender should contain technical details and commercial terms and conditions and Part – II (Price Bid) should indicate group-wise price as mentioned in the Technical Bid. The **Technical Bid** and **Price Bid** are to be submitted in two separately sealed envelopes distinctly marked accordingly and both to be put inside another envelope, which should be sealed and superscribed with tender reference no. and due date. Complete tender bids should reach to the office of Dr. Surajit Sinha, Department of Organic Chemistry, Indian Association for the Cultivation of Science, Jadavpur, Kolkata – 700032 on or before the scheduled date & time specified below. The bidders may submit bids duly signed in their own letterheads.

Tender Notice No.	IACS/Org.Chem/Dr.S.Sinha/2016-17/72	Date;
	27/12/2016	
Last date and time of submitting tender	24th January, 2017 at 11 am	
Date and time of opening tender	24th January, 2017 at 3 pm	
Date and Time of Pre-bid meeting	16 January, 2017 at 3 pm	
Place of opening tender	Organic Chemistry Office	
Contact	ocss5@iacs.res.in	

The technical bids will be opened first to evaluate technical specifications of the equipment and there after the price bids of only the technically qualified distributor/vendors will be opened

Opening of price-bid: The Price Bids of the bidders qualifying the technical bid will only be opened, the date of which will be intimated to the short-listed bidders at their email addresses. The rest of the bids will be rejected.

Please note that IACS will not provide any accommodation or expenses to any of the bidders for attending opening of technical bid/price bid.

A). TECHNICAL BID:

Technical Bid should contain technical details and commercial terms and conditions and kept in a separate envelope duly superscribed as “**Technical Bid**” on the outer cover of the envelope.

Detailed Technical Specifications of “Fourier Transform Infrared (FT-IR) Spectrometer”

Tender Specification for FTIR instrument

1. Spectral Range 8,000 – 350 cm⁻¹
2. Spectral Resolution standard 0.5 cm⁻¹ or better
3. Signal-to-noise ratio should be 30,000:1 peak to peak for 1 min scan or better
4. Wavelength accuracy 0.1 cm⁻¹ at 3000 cm⁻¹ or better
5. Detector with high linearity is preferred

6. Must have KBr beam splitter with KBr windows.
7. Software should have the facility for real time update of spectral information.
8. Software should have spectral comparison algorithm and Euclidean searching provision.
9. Instrument having the facility of no nitrogen gas purging is preferred.
10. The following necessary accessories required for the installation and operation of the instrument must be quoted:
 - i. KBr rectangular Windows
 - ii. Assorted Rectangular Spacers
 - iii. Demountable Cell Mount
 - iv. 13 mm KBr Die Set
 - v. Potassium Bromide Pellet Holder
11. Please quote the following accessory under option:
 - i. Fully software controlled pure diamond ATR accessory which can be recognize by the instrument. The accessory must serve the full spectral range.
 - ii. Fully software controlled ZnSe coated HATR accessory which can be recognize by the instrument.
12. Suitable branded PC & 1 KVA online UPS to be quoted for instrument operation.
13. Please quote the instrument on both FCA & CIP option.

WARRANTY: 3 YEARS (Comprehensive)

Three years warranty (comprehensive) should be provided from the date of installation of the system.

Additional:

Supplier should arrange application training by their personnel for minimum three working days after the installation of the system.

Users lists of similar equipment supplied in India should be provided (Enclose full list of the users in India).

Vendor should have at least 3 installations in last 5 years in the eastern zone of India.

A detailed technical compliance is required with supporting data where possible to show compliance.

Technical compliance chart should be provided following the following format*

Sr. No.	Tender specification	Your offered instrument specification	Extent of compliance

*Tender will not be accepted if the technical compliance chart is not provided following the above format.

User List: The supplier should provide a list of current users (with contact no, e-mail address etc) for the quoted item in India.

Service facility: Trained technicians should install the instrument and ensure it is operating correctly and within specifications. User training at site should also be provided. Supplier should mention their details of service setup that are responsible for after sales support.

B). Price BID: Price Bid should indicate group-wise price as mentioned in the Technical Bid and kept in a separate envelope duly superscribed as “**Price Bid**” on the outer cover of the envelope.

Price: Price to be quoted both on FCA/CIP basis for foreign currency or in Indian currency.

Bid Security (EMD):

An Account Payee Demand Draft for Rs. 60,000/-(Rupees sixty thousand only) drawn in favour of "Indian Association for the Cultivation of Science" payable at (State Bank of India, Jadavpur University Branch, A/C No. 11079699211, IFSC: SBIN000093) or in the form of a bank guarantee is to be furnished by the bidders, as Bid Security money or Earnest Money Deposit (EMD) with the tender.

The Demand Draft or bank guarantee for the Bid-Security money should have at least 90 days validity period after the opening of the Bids.

In case of non-award of the work the Bid Security money would be returned to the unsuccessful

Bidders. Bid security money to the successful bidder will be refunded on receipt of the Performance security money.

Performance Security:

An Account Payee Demand Draft of 10% of the order value in the name of "Indian Association for the Cultivation of Science" payable at Kolkata or in the form of a bank guarantee with a validity for a period of 60 days beyond the expiry of the warranty period is to be furnished by the successful bidder as "Performance Security" money in INR. The Bid security money will be refunded to the successful bidder on receipt of the Performance Security money.

C) GENERAL INSTRUCTIONS:

1. Incomplete & conditional tenders and tenders received after the due date will be summarily rejected without assigning any reasons thereof.
2. At any time prior to the bid due date, IACS may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder during pre-bid meeting, modify the bidding documents. The amendment(s) will be notified on the Institute website. Prospective bidders are advised to occasionally visit the website for any amendment.
3. **Payment:** 100% against delivery and successful installation or in advance for the foreign vendors subject to submission of performance guarantee by their Indian agents.
4. **Installation/Demonstration/Application Training at site:** Free of cost by the supplier
5. **Service facility:** Supplier should mention their details of service setup and Manpower in India preferably at Kolkata who are responsible for after sales support. Response time should be within 24 hours
6. **Validity of tender:** Tender submitted shall remain valid at least for four months from the date of opening the tender. Validity beyond four months from the date of opening of the tender shall be by mutual consent.
7. The tender should accompany a compliance chart.
8. The rate should be inclusive of all taxes, transportation etc. Nothing extra will be paid in addition to the quoted rate.
9. The model number, make, and a printed literature of the product shall submit positively.
10. Proposed delivery schedule should be mentioned clearly.
11. Manufacturers/exclusive distributors/vendors should have history of supplying this type of instrument to this or other Scientific Organizations.
12. Authorized Dealership Certificate is must in case of principal manufacturing company is not quoting directly.
13. Guarantee certificate, users manuals etc. are to be handed over to the user after successful commissioning of the system.
14. At any time prior to the bid due date, IACS may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents. The amendment(s) will be notified in the Institute website. Prospective bidders are advised to occasionally visit the website for any amendment www.iacs.res.in/tender
15. In the event of date being declared a closed holiday for purchaser's office, the due date for submission of bids and opening of technical bids will be the following working day at the appointed time.
16. For any clarification regarding technical specifications, etc. please send your queries to Dr Surajit Sinha (ocss5@iacs.res.in).
17. The Institute reserves the right to reject any or all of the tenders received without assigning any reason thereof.

Acting Registrar

