

Date: 14th August, 2013

Tender No.: IITGN/RES-SERB-002/CH/EQP/2013-14/023

Last date: 3rd September, 2013 on/before 05:00 PM

SUB: Invitation of sealed tender for Supply of "FTIR" as per details & specifications shown in the Annexure-I.

Dear Sir/Madam,

Indian Institute of Technology Gandhinagar invites sealed tender for **Supply of "FTIR" as per details & specifications shown in the Annexure-I** on the following terms & conditions:

1. If the supplier/firm is manufacturer/authorized dealer/sole distributor of any item/equipment, the Certificate to this effect should be attached.
2. The tender documents are to be in two parts as **Technical Offer and as Financial offer:**
 - a.) The Technical offer should include the detailed specifications of main equipment/item and its accessories. All items should be numbered as numbered for each instrument.
 - b.) The financial offer should include the cost of main equipment/item and its accessories numbered as in (a). If there is any separate cost for installation etc. that should be quoted separately. The total cost should be quoted in words as well as figures (typed or printed). Amendment should be avoided. Amendments, if any, should be duly initialed, failing which the offers are liable to be rejected.
 - c.) The two parts of the offer should be placed in separate sealed envelopes clearly marked **"Technical Offer" & "Financial Offer"**. These two envelopes must be enclosed for EMD and Tender Fee marked **"Tender Fee & EMD"** (total three envelopes) must be enclosed in one bigger envelope duly sealed and super scribed with tender number, name of the instrument/item and tender due date must be forwarded to the undersigned so as to reach him on or before the due date.
 - d.) The Financial Offer should be quoted in the prescribed format as per the Annexure-II only (as applicable). If the financial offer is not in the prescribed format, it will be rejected.

Incomplete tenders, amendments and additions to tender after opening or late tenders are liable to be ignored and rejected.

3. Fax and Email quotation are not acceptable.

4. Quotations should be valid for 120 days from the tender due date. The quotation should clearly indicate the period of delivery, warranty terms etc. A minimum of three year warranty is required from the date of commissioning.

5. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any)

should be sent along with the Quotations, wherever applicable. The Suppliers should submit copies of suitable documents in support of their reputation, credentials and past performance.

6. The quotations should be given for the items in the same order as in the tender document.

7. The quantity shown against each item is approximate and may vary as per demand of the Institute at the time of placing order.

8. Any effort by a supplier to influence IITGN's tender evaluation, tender comparison or contract/order award decisions may result in the rejection of the supplier's tender and forfeiture of the supplier's EMD.

9. The Vendor must be able to provide the item/equipment within stipulating time as specified the Purchase Order. Failing the EMD will be forfeited. Furthermore on completion of the stipulated time period (as specified in purchase order), Purchase Order will be cancelled and award will be given to another qualified bidder with the negotiated terms & conditions.

10. Imported supplies should be delivered by air and quoted for CIP Ahmedabad.

11. (a). In case of payment through Letter of Credit (LC), 90% (Ninety Percent) of the payment will be released after completion of the supply. The balance 10% (Ten Percent) of the payment will be released after satisfactory installation of the item/equipment.

(b). If the Payment in the form of foreign currency draft/TT, the Institute will release the payment within 30 working days after delivery and successful installation of the item/equipment at IIT Gandhinagar Premises.

12. IIT Gandhinagar is exempt from payment of Excise Duty and is eligible for concessional rate of Custom Duty. Necessary certificate will be issued on demand. IIT Gandhinagar will make necessary arrangements for the clearance of imported goods at the Airport. Hence, the price should not include these charges.

13. In the event of any dispute or difference(s) between the vendee IIT Gandhinagar and the vendor(s) arising out of non-supply of material or supplies not found according to the specifications or any other cause whatsoever relating to the supply or purchase order before or after the supply has been executed, shall be referred to the concerned authority of IIT Gandhinagar who may decide the matter himself or may appoint arbitrator(s) under the arbitration and conciliation Act 1996. The decision of the arbitrator shall be final and binding on both the parties.

14. The place of arbitration and the language to be used in arbitral proceedings shall be decided by the arbitrator.

15. All disputes shall be subject to Gandhinagar Jurisdiction only.

16. IIT Gandhinagar reserves the rights to accept/reject any offer in full or in part or accept any offer other than the lowest offer without assigning any reason thereof. Any offer containing incorrect and incomplete information shall be liable for rejection.

17. The Tender/Bid will be open on **05.09.2013** at **03:00 PM** at **IIT Gandhinagar Premises**.

- a.) The suppliers or their authorized representative may also be present during the opening of the Technical offer, if they desire so, at their own expenses.
- b) Only those financial offers will be opened whose technical offers are found suitable by the expert committee appointed for the concerned instrument/equipment.
- c) No separate information shall be given to individual bidders. In incomparable situation, the committee may negotiate price with the qualified bidder quoting the lowest price before awarding the offer.
- d) The Tender Committee reserves its right to select or reject any or all of the Items/equipment mentioned above without assigning any reasons.

18. In case the supplier requires any elucidation regarding the tender documents, they are requested to contact to the Assistant Registrar (M.M.) through e-mail, purchase@iitgn.ac.in on or before **4:00 PM, 03.09.2013**.

19. A demand draft of **Rs. 1,000/- (Rupees One Thousand Only)** towards non-refundable tender fee and a demand draft of **Rs. 50,000/- (Rupees Fifty Thousand Only)** at the rate of 2% of the tender value towards refundable EMD from a Nationalized bank/Schedule bank in favour of **“IIT Gandhinagar Project & Consultancy Account”** payable at Ahmedabad placed in a separate envelope marked **“Tender Fee & EMD”** should accompany tender bid documents. Both the demand drafts should be valid for 90 days. Without the Tender Fee and EMD the bid will not be considered. **NSIC Certificate will not be accepted for relaxation of EMD and Tender Fee.**

The EMD of the successful bidder will be returned to them without any interest after completing the successful installation. The earnest money of unsuccessful bidders will be returned to them without any interest within thirty (30) working days after awarding the offer.

20. All tender documents should have to be forwarded through speed post or registered post, courier, Hand Delivery to the following address so as to reach the following address on/before **05:00PM, 03.09.2013.**

Assistant Registrar (M.M.)

Indian Institute of Technology Gandhinagar,
Vishwakarma Government Engineering College Campus,
Ground Floor, Block “A” ,
Visat-Gandhinagar Highway, Chandkheda
Ahmedabad 382424
Tele/ Fax No. +91 79 2397 2583

Other Terms & Conditions:

1. Pre – Qualification Criteria:

- a. Bidders should be the manufacturer / authorized dealer. Letter of Authorization from Manufacturer on the same and specific to the tender should be enclosed.
- b. An undertaking from the original Manufacturer is required stating that they would facilitate the bidder on a regular basis with technology/product updates and extend support for the warranty as well.

2. Performance Guarantee Bond:

- a. Performance Guarantee Bond is mandatory.
- b. Successful supplier/ firm should submit performance guarantee as prescribed and to be received in the office of Assistant Registrar, Materials Management Division before the date of commencement of supply or 30 days from the date of acceptance to tender, whichever is earlier. The performance guarantee bond to be furnished in the form of Bank Guarantee as per given proforma of the tender documents, for an amount covering 10% of the value of quantity of material on landed cost basis.
- c. The Performance Guarantee should be established in favour of “IIT Gandhinagar Main Account” through any Nationalized Bank / Schedule Bank Situated at Ahmedabad/Gandhinagar with a clause to enforce the same on their local branch at Ahmedabad.
- d. Validity of the performance guarantee bond shall be for a period of entire warranty period from the date of issue of installation & commissioning.

3. **Delivery:** The Equipment should be delivered and installed within the period as specified in the purchase order and be ready for use within one week of delivery unless otherwise prescribed.

4. **Penalty:** If the suppliers fails to deliver and place any or all the Equipment or perform the service by the specified date, penalty at the rate of 1% per week of the total order value subject to the maximum of 10% of total order value will be deducted.

5. **Training:** Suppliers need to provide adequate training at IIT Gandhinagar to the nominated person of IIT Gandhinagar at their cost. IIT Gandhinagar will not bear any training or living expenditure in this regard.

6. **Installation & Warranty Declaration:** Suppliers must give the comprehensive onsite warranty as required from the date of successful installation of Equipment against any manufacturing defects. In the installation report the model number of instrument and all spares parts numbers should be in the line of purchase order. And suppliers must be written in the warranty declaration that “everything to be supplied by us hereunder shall be free from all defects and faults in material, workmanship and shall be of the highest quality and material of the type ordered, shall be in full conformity with the specification and shall be complete enough to carry out the experiments, as specified in the tender document.” If any item covered under warranty fails, the same shall be replaced free of cost including all the applicable charges

(shipping cost both ways). **Installation must be done within stipulated time period from the date of delivery of the item/equipment as specified in the purchase order.**

Any deviation in the material and the specifications from the accepted terms may liable to be rejected and the suppliers need to supply all the goods in the specified form to the satisfaction / specifications specified in the Purchase order and demonstrate at the their own cost.

Sd/-

Assistant Registrar (M.M)

Form A

PARTICULARS TO BE FILLED BY THE BIDDER

1. Name of the Supplier:
2. Complete Address of the Supplier:
3. Availability for demonstration of instruments at IIT Gandhinagar: Yes / No [Please √]
4. Cost of the Tender enclosed: Yes/No [Please √] If yes,
 - a.) Name of the Bank _____
 - b.) Amount in (₹) _____
 - c.) Demand Draft No. _____
5. Earnest Money Deposit enclosed: Yes / No [Please √] if Yes,
 - a.) Name of the Bank _____
 - b.) Amount in (₹) _____
 - c.) Demand Draft No. _____
 - d.) Last Validity date of the enclosed DD _____
6. Communication details of the concerned contact person to whom all references shall be made regarding this tender enquiry. [NOTE: Any changes after submission of Tender documents kindly update IIT Gandhinagar]
 - a.) Full Name :
 - b.) Complete Postal Address:
 - c.) Telephone No.:
 - d.) Fax No.:
 - e.) Mobile No.:
 - f.) E-mail:
 - g.) Website Address:

Form B

PARTICULARS FOR REFUND OF EMD TO SUCCESSFUL/UNSUCCESSFUL BIDDER

RTGS/National Electronic Fund Transfer (NEFT) Mandate Form

1	Name of the Bidder	
2	Permanent Account No (PAN)	
3	Particulars of Bank Account	
	a) Name of the Bank	
	b) Name of the Branch	
	c) Branch Code	
	d) Address	
	e) City Name	
	f) Telephone No	
	g) NEFT/IFSC Code	
	h) RTGS Code	
	i) 9 Digit MICR Code appearing on the cheque book	
	j) Type of Account	
	k) Account No.	
4	Email id of the Bidder	

PARTICULARS FOR PERFORMANCE GUARANTEE BOND

(To be typed on Non-judicial stamp paper of the value of Indian Rupees of Two Hundred) (TO BE ESTABLISHED THROUGH ANY OF THE NATIONALISED BANKS/ SCHEDULE BANKS (WHETHER SITUATED AT AHMEDABAD OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT AHMEDABAD. BONDS ISSUED BY CO-OPERATIVE BANKS ARE NOT ACCEPTED.)

To,

The Asst. Registrar (MM),
Indian Institute of Technology Gandhinagar
VGEC Campus, Chandkheda,
Ahmedabad – 382424

LETTER OF GUARANTEE

WHEREAS Indian Institute of Technology Gandhinagar (Buyer) have invited Tenders vide Tender No..... Dt. for purchase of AND WHEREAS the said tender document requires the supplier/firm (seller) whose tender is accepted for the supply of instrument / machinery, etc. in response thereto shall establish an irrevocable Performance Guarantee Bond in favour of **“IIT Gandhinagar Project & Consultancy Account”** in the form of Bank Guarantee for Rs [10% (ten percent) of the purchase value] which will be valid for entire warranty period from the date of installation & commissioning, the said Performance Guarantee Bond is to be submitted within 30 (Thirty) days from the date of Acceptance of the Purchase Order.

NOW THIS BANK HEREBY GUARANTEES that in the event of the said supplier/firm (seller) failing to abide by any of the conditions referred to in tender document / purchase order / performance of the instrument / machinery, etc. this Bank shall pay to Indian Institute of Technology Gandhinagar on demand and without protest or demur Rs (Rupees.....).

This Bank further agrees that the decision of Indian Institute of Technology Gandhinagar (Buyer) as to whether the said supplier/firm (Seller) has committed a breach of any of the conditions referred in tender document / purchase order shall be final and binding.

We, (name of the Bank & branch) hereby further agree that the Guarantee herein contained shall not be affected by any change in the constitution of the supplier/firm (Seller) and/ or Indian Institute of Technology Gandhinagar (Buyer).

Notwithstanding anything contained herein:

a. Our liability under this Bank Guarantee shall not exceed Rs.
(Indian Rupees only).

b. This Bank Guarantee shall be valid up to(date) and

c. We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only if IIT Gandhinagar serve upon us a written claim or demand on or before (date).

This Bank further agrees that the claims if any, against this Bank Guarantee shall be enforceable at our branch office at situated at

.....
.....
.....

(Address of local branch).

Yours truly,

Signature and seal of the guarantor:

Name of the Bank:

Complete Postal Address:

Date:

Annexure-I

Name of the item/Equipment: - FTIR

Quantity Required: - 1 No.

Technical Specifications of the item/equipment: -

System Optics

1. The FTIR system must cover Mid IR range from 7800 cm^{-1} to 350 cm^{-1} and it should be offered with DLaTGS and Liquid Nitrogen Cooled MCT detectors. The spectrometer cover shall be sealed and desiccated and must be equipped with CaF_2 coated KBr sample compartment windows. The desiccant must be accessible without tools and without removal of any main covers of the instrument. There must also be a highly visible passive humidity indicator. The instrument must be equipped with the necessary internal plumbing and external connector for optional purge operation.
2. The infrared source must have a guaranteed lifetime of 5 years and must be user replaceable.
3. The Interferometer must be a dynamically aligned, non-air bearing Michelson design. The scan velocity must provide collection capabilities of up to **60 spectra independently archived, per second**, at a spectral resolution of 16 cm^{-1} or 95 scans per second at 32 cm^{-1} resolution. The interferometer must be capable of **spectral resolution better than 0.09 cm^{-1}** .
4. The interferometer must be capable of supporting an optional **Automatic Beamsplitter Exchanger** accessory without modification. Standard warranty on the interferometer must be 5 years.
5. The instrument must be capable of at **55,000:1 peak to peak** signal to noise, measured at 4 cm^{-1} resolution by collecting 80 seconds background, 60 seconds sample, in the region $2200\text{--}2100\text{ cm}^{-1}$, with purge. The **wavelength precision** must be within 0.01 cm^{-1} without software intervention.
6. The spectrometer must support optional external or internal **NIR modules, GC-IR and sample compartment TGA accessory modules**. It should be also upgradeable to FTIR Microscope accessory.
7. The spectrometer must include a **motorized Validation Wheel**.
8. The instrument must support an automated **infrared polarizer**. This polarizer must allow software to insert the polarizer into (or remove it from) the IR beam path and to control the rotation.
9. System should be supplied with Sealed Liquid Cell, Mull Cell, Hydraulic Press and Die for pellet preparation, agate mortar and pestle accessories. Suitable Branded PC and Laser printer must be offered with the system.

Diffused Reflection Accessory with Environmental Chamber

10. **Optical Design** 3X ellipsoidal

11. **Angle of Incidence** 30 degrees, nominal
12. **DiffusIR Dimensions** 180 mm wide, 230 mm deep, 130 mm high (excluding purge tubes and base plate)
13. **Sample Focus** Micrometer
14. **Sample Positions:** 2 positions, slide stops for background and sample with no purge loss
15. **Sample Cups:** Macro: 10 x 2.3 mm deep Micro: 6 x 1.6 mm deep
16. **Purge:** Standard purge tubes and purge connection

Specifications for Environmental Chamber.

17. **Temperature Range** - Ambient to 900 °C
18. **Accuracy** +/- 0.5%
19. **Input Voltage** 90–264 V, auto setting, external power supply
20. **Operating Voltage** 24 VDC/84 W
21. **Temperature Control** Digital or Digital PC
22. **Heating Rate, Maximum** 120 °C/minute
23. **Kinetic Setup** • Up to 10 temperature ramps (**requires Digital** • Individual ramp rate and hold)
24. **System should be supplied with software for PC control through USB interface.**
25. **Vacuum Achievable** 1×10^{-6} Torr (13×10^{-4} Pa)
26. **Pressure Maximum** • 1500 psi, with HP adaption OR 14.7 psi (1 atmosphere) without High Pressure Adaptation

Software

27. The software must be fully compatible with Microsoft Windows XP (32-bit) and Windows 7 (32-bit and 64-bit).
28. Software must support one-click operation using clearly visible icons to switch to any sample compartment from any other sample compartment and load proper experiment settings to collect data.
29. Software must support Advanced Diagnostics on the instrument.
30. Software must support both Advanced and Basic experiment setup functionality. The Basic functionality must support measurement time/number of scans, resolution, final format, spectral region (over the full range supported by the available hardware) and indicate current

source, beam splitter and detector. The Advanced experiment setup functionality must support additional parameter settings such as Corrections, Background collection number of scans, Gain selection, Optical Velocity selection and Aperture settings.

31. Software must support background handling options such as:
 - A. Before every sample
 - B. After every sample
 - C. After a specified amount of time
 - D. Use stored background
32. Software must support Preview Data collection and must allow the user to perform a search on the spectrum when previewing and during data collection.
33. Automated purge shutters must be supported in manual and automatic modes. Operation of the shutters will include a timing function to enable stabilization of the environment and stability of the detection optics prior to data collection, with a user-variable time delay setting.
34. Software support must be available for FT-IR microscopy and for a wide range of third-party accessories.
35. An extensive set of spectral libraries must be available, including Raman, NIR and mid-IR spectral references.
36. A direct linkage to software enabling multi-component searching must be provided by the software.
37. Software must support easy migration from previous version even when moving from Windows XP to Windows 7.

Quote must have a compliance report on all the above points.

Annexure – II

FINANCIAL OFFER

FOR INDIGINEOUS SUPPLIES

Supplier's Ref No. & Date: -

Tender No. : -

Due Date: -

Description of item: -

Sr. No	Description of Item & Specification (Model no if any)	Qty. in Units	Unit Price in Rs.	Discount (%)	Excise Duty /Custom Duty (%)	CST/ VAT (%)	Octroi (%)	Total Price in Rs.

- Delivery Mode : Delivery at IIT Gandhinagar, at site only
- Total bid price should be inclusive of all taxes and levies, transport, loading, unloading etc.
- Warranty Period:
- Delivery Period:days/weeks.
- Installation Period:..... days/weeks after receipt of item/equipment.
- Quotation Validity Date: - Minimum 120 Days from the date of Submission of quotation/tender.
- Payment Term: Payment within 30 working days from the date of submission clear of bill with acceptance certificate from the concerned dept./Sect./MMD.

Sign of bidder: - _____

Date: - _____

Name of the bidder:- _____

Firm's Name:- _____

Annexure-II

FOR IMPORTED SUPPLIES

Supplier's Ref No. & Date: -

Tender No. : -

Due Date: -

Description of Item/Equipment: -

PRICE BID

Sr. No.	Description of Item & Specification	Qty. in Units	Unit Price in Rs.	Price Basis (Ahmedabad International Airport)	Total Price
				CIP	

- 1. Delivery Period:.....days/weeks
- 2. Installation Period:.....days/weeks after receipt of item/equipment.
- 3. Warranty Period:
- 4. Terms of payment: (a) 100% payment by Letter of Credit (90% payment will be released on receipt of documents without any discrepancies and balance 10% will be paid after satisfactory installation and commissioning).
- (b) Payment by wire transfer (on request) within 30 days from the date of supply and installation of item.
- 5. Validity of the bid 120 days from the date of opening of the tender.

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- Signature : _____
- Name : _____
- Business Address : _____
- Place :
- Date: Affix Rubber Stamp : _____

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- Note: Price Bid should be submitted in given format only. For additional information/extra items above format may be typed and used.