



PONDICHERRY UNIVERSITY
(a central University)
PUDUCHERRY – 605 014

PU/DBT/NS/CSIR Proj/Equipment Tender/2011

Dt. 05.07.2011

Tender for FT-IR spectrometer - Dept. of Biotechnology

Sealed tenders are invited under single bid system for purchase of Major Equipment – FT-IR. The tenders duly signed and sealed should be submitted in the name of **Dr. N. Sakthivel, Project Investigator and Professor & Head, Department of Biotechnology, Pondicherry University.**

The tenders should be sent by Post (Normal / Speed / Registered / Courier) only. The price quoted should include all the costs such as delivery, installation, testing etc., and also inclusive of all taxes. Warranty terms should be explicitly specified in the tender. The technical specifications are given below.

Last date for receiving Tender is **21st July, 2011.**



PONDICHERY UNIVERSITY, PUDUCHERRY – 605 014

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DEPARTMENT OF BIOTECHNOLOGY

FT-IR Spectrometer

FTIR spectrometer with following specifications: (1) FTIR spectral resolution to a maximum optical retardation of at least 2.0 cm^{-1} (2) The standard spectral operating range should be no less than $6,000\text{-}500 \text{ cm}^{-1}$ for ZnSe optics and $7500\text{-}350\text{cm}^{-1}$ for KBr optics (3) Spectrometer components like source, laser, detector, interferometer must be continuously monitored. The operator must be immediately notified by system software if any fault. (4) Optical components like detector and source must be electronically coded, so that these components are automatically recognized when placed in the spectrometer. Sampling modules should be automatically identified and spectral tests to verify accessory performance (5) Optics should be ZnSe to work smoothly in high humidity area (6) Should have high throughput 60 degree interferometer and must be Gold Coated optics only (7) The interferometer must be permanently aligned. Interferometer designs that require alignment (either manual or automatic) are not acceptable (8) Interferometer bearing mechanism must be wear-free (frictionless) design. (9) The interferometer must utilize cube corners for instantaneous correction of instability due to mirror tilt (10) The system must include a replacement desiccant (11) The system must incorporate an automated internal instrument validation unit. The internal validation unit must be able to incorporate different validation standards and be fully software controlled. This instrument validation must not require user interaction and must produce a report documenting the results of the validation tests (12) Communication between the spectrometer and controlling PC must be performed using an Ethernet protocol (13) The system must be able to be controlled by a laptop computer (14) software must be an "all-in-one" software for data measurement, manipulation and evaluation (15) software must include search capabilities as well as the possibility to create user own libraries and should have free starter library and quantification tool and GMP/GLP conform (16) KBr window for solid and liquid, IR press for pellet preparation with KBr powder and Agate mortar and pestle (17) Hydraulic press for 15 ton and KBr die (18) Liquid demountable cell with KBr and NaCl windows.

TERMS AND CONDITIONS

I. General Information:

- a) **Last date and time of receipt of the Tender: July 21, 2011 at 3.00 PM**
- b) **EMD rates: Rs. 18,000/-**
- c) Quoting merely the lowest price does not confer any right to any bidder for award of supply order. The University's Purchase Committee, reserves the right to select the equipment any bid under the grounds of specification compliance, technologically advanced quality, proven performance track record, brand reputation, service backup support & training, offer of additional / special features, Compatibility with the existing System, etc.
- d) The EMD fee should be submitted along with your Tender
- e) The Tender must be submitted along with the stipulated EMD fee in the sealed cover, super-scribing "**Tender for FT-IR – Department of Biotechnology**". The name and address of the bidder should also be mentioned at the "From address" space.
- f) The Tender should be addressed and posted to the following address by speed, registered post or by courier.
DR. N. SAKTHIVEL, Project Investigator and Professor & Head, Department of Biotechnology, Pondicherry University Puducherry – 605 014
- g) Tenders will not be accepted through fax / e-mail.

II. Common Conditions (Import or Indigenous)

1. Price Schedule

The rates should be quoted for a single unit and also for the total quantity required by the University. The price should include the Delivery, installation, training charges, etc. at the respective Department, Pondicherry University. The prices quoted shall remain firm until the Equipment is supplied to the respective Department, Pondicherry University.

2. Quoting the Core price & Tax, Duties, Discount etc.

The taxes / duties / discounts, if applicable, are to be explicitly and separately shown in the bid.

3. Eligibility:

The firm must have the requisite domain expertise with regard to supply, installation and post-sale service of the items they are quoting. The firm should have been in existence for at least six years as on the date of this Tender and must have executed at least three orders for this kind of Equipment) during the last three years.

4. Duty Exemption

The University has been granted the benefit of exemption from the payment of the Central Excise Duty and Customs Duty by the Department of Scientific and Industrial Re-search (DSIR), India, vide their Notification No.10/97, dated 01-03-1997 and No.51/96 dated 23.07.96 respectively, in respect of

- a) Scientific and technical instruments, apparatus, equipment, Software including computers.

- b) Accessories and spare parts of goods specified in (a) above and consumables.
- c) Computer software, compact disks, CD ROM, Recording magnetic tapes, microfilms, micro-chips etc.
- d) Prototypes.

Customs duties at Indian port, if any, will be to the account of the University.

5. Technical Specifications

- i. **WARRANTY:** The Equipment covered under the purchase order, when installed, shall be warranted for the quality, workmanship, trouble free operation and performance for a period of at least 36 months (**preferably 3 years**) from the date of putting the system into operation at the Department of Biotechnology, Pondicherry University, or at least 42 months from the date of receipt of the last lot of the consignment.
- ii. If any item covered under warranty fails, the same shall be replaced free of cost including all the applicable charges including shipping cost both ways.
- iii. Complete technical specifications of the Equipment including the Operating system to be included in the bid.
- iv. The necessary service support should be provided by Bidder during the agreement period.
- v. The training should be provided by the supplying companies.
- vi. Operating Manual should be provided in English.
- vii. A recent customer list (within last five years) with contact details including email address is to be submitted with technical bids / bids as the case may be.
- viii. If the Equipment is proprietary a product, a proprietary product certificate should be enclosed.
- ix. The Equipment must operate at 230V / 50 Hz single phase and / or equivalent three phase electrical power.
- x. **The validity of the each quotation should be at least for THREE MONTHS from closing date.**
- xi. The offers will not be considered if received after the bid closing date and time.
- xii. The offers received through telex / telefax / e-mail will not be accepted by the University under any circumstances.
- xiii. The University shall not be responsible for any delay / loss or non-receipt of the tender by post / courier service.
- xiv. No unsolicited correspondence shall be entertained after the submission of the offer.
- xv. If an order is placed with the firm, the purchase shall be governed by an agreement as per the University rules in force at the time.
- xvi. Additional terms and conditions will be incorporated in the purchase order, if needed, to safe guard the interests of the University.
- xvii. Tender is not transferable.
- xviii. In case of any dispute in respect of the Tender, all legal matters shall be instituted within the jurisdiction of the place where the purchaser ordinarily resides.

6. Power to reject the offer:

- i. Pondicherry University reserves the right 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.
- ii. No Agency commission will be paid to any authorized agent in India.
- iii. Liquidated damages: Timely supply of the ordered items, installation, commissioning (wherever is applicable) and training etc. is the essence of the contract. In case of failure to supply within the time specified in the Purchase order, a penalty / LD of 0.5% of the total value per week or a part thereof shall be levied subject to a maximum of 7.5% in respect of items which are not supplied. The decision of Pondicherry University shall be final in this regard.
- iv. Bidder(s) must be authorized business partners of Global / National service providers of the respective Equipment.
- v. The Bidders must enclose authorization letter from the respective global / national service providers of the above said Equipment particularly mentioning an undertaking that in case of default by the Bidder, they (Global Service Provider) shall take over all the responsibilities of the Bidder.
- vi. The Bidder should not be involved in any Bankruptcy filing for protection from it.

III. Specific Conditions for Imported Equipments

1. Payment of EMD:

The Quotation must be accompanied by EMD as stated above, by means of a Demand Draft, drawn in favour of **The Finance Officer, Pondicherry University, payable at Puducherry**. The Small Scale units are exempted from payment of EMD provided they enclose the proof of their exemption Certificate issued by the competent authority.

2. Payments terms:

Normally a payment 90% will be released after the installation & training. However, 100% payment will be released **if the supplier provides Bank Guarantee** towards performance Security for the 10 % of the total cost of the furnace to cover the warranty period. Bank charges in India shall be borne by the purchaser and outside India shall be borne by the contractor / supplier. The offer must be in English. The rates should be indicated both in figures and words against item specified in the given table. It is preferable that the price be quoted in US Dollars or in major foreign currencies.
