



**Tender Document**  
**PONDICHERRY UNIVERSITY**  
**SCHOOL OF LIFE SCIENCES**  
**DEPARTMENT OF BIOCHEMISTRY & MOLECULAR BIOLOGY**  
**(R.V.NAGAR, KALAPET, PUDUCHERRY – 605 014)**

Ref: PU/DBMB/DST-FIST/Tenders/2013-2014/

17-02-2014

**Sub: Supply of Elisa Reader and Double beam Spectrophotometer under DST-FIST**

**Program- Reg.**

Sealed tenders are invited under **two bid systems** for purchase of **Under Elisa Reader and Double beam Spectrophotometer under DST-FIST Program**. The quotations duly signed and sealed should be sent by Post (Normal / Speed / Registered / Courier) to **Prof. K. Jeevaratnam, Co-ordinator, DST-FIST Program , Department of Biochemistry and Molecular Biology, Pondicherry University, PUDUCHERRY – 605 014**. 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 your quotation. **Last date for receiving quotations is 3.3.2014, 3.00 PM.**

**Specifications and Allied Technical Details-**

**Item – 1: ELISA READER (Imported)**

**Optical System:**

- Digital light control
- Minimum 8 measurement channel
- Single and dual wavelength measurement
- Measurement Range 400-750 nm with spectral resolution and wavelength accuracy of 1 nm.
- Accuracy (0.000 – 1.000 abs) + 2% and + 0.005 abs
- Resolution 0.01 abs

**Software:**

- User friendly software for data analysis and control with at least 15 user programmable tests permanently stored
- Printer interface

**Measurement modes:**

- Plate shaking mode for sample mixing

- Flexible blank mode setting
- Auto or manual plate layout for blanks, controls, standards and samples
- Control and assay validation
- Inbuilt temperature control system
- Memory to store programmable data
- Matrix Modes: Matrix -/x/t, Matrix -/0-0 (Range). Matrix-/f/(Floating cut off)
- Curve fit modes: LIN/LIN, LIN/LOG, LOG/LOG or auto curve transformation with ability to add the standard curve

**Others:**

- Adjustable for different microplate geometrics
- High efficiency long lasting Halogen/ Xenon lamp 20-40 W with pre-failure warning

**Accessories**

- Should provide all necessary reagents and consumables for initial installation and standardization.
- All spare parts should be available with the supplier or principals for a period of 10 years.

**Power Requirements**

- Power input to be 220-240VAC, 50Hz fitted with plug suitable for Indian conditions.
- Suitable Servo controlled Stabilizer/CVT

**Operational Requirements**

- Fully automated ELISA Reader
- Open system with software compatibility to any type of ELISA kits.

**Ambient conditions for operation**

- The unit should be capable of being stored continuously in ambient temperature of 0 -50 °C and relative humidity of 15-90%
- The unit should be capable of operating continuously in ambient temperature of 10 - 40 °C and relative humidity of 15-90%

Warranty – 3 years

## **Item-2: Double Beam Spectrophotometer**

### **Technical Specification:**

Color touchscreen (standalone instrument) – clear and simple operation

Optical System – Double beam, monochromator

Detector – Dual Silicon photodiodes

Light Source – Deuterium + Tungsten

Wavelength Calibration – Automatic upon switch on

Wavelength Range: 190 – 1100 nm

Absorbance Range: -4.0 to 4.0 A

Spectral Bandwidth: 1 nm

Stray Light: <0.025%T at 220 nm using NaI and 340 nm using NaNO<sub>2</sub>. <1%T at 198nm KCl

Wavelength Accuracy:  $\pm 0.3$  nm across wavelength range

Wavelength Reproducibility:  $\pm 0.1$  nm

Photometric Reproducibility:  $\pm 0.002$  A at 1 A

Photometric Accuracy:  $\pm 0.002$  A at 0.5 A,  $\pm 0.004$  A at 1 A,  $\pm 0.006$  A at 2 A

Zero Stability:  $\pm 0.0003$  A/h at 500 nm

Noise <0.00005 A RMS at 500 nm

Outputs USB cable, USB memory stick, Bluetooth (Optional)

Software for wavelength scanning, fixed wavelength, standard curves, kinetics and pre-stored life science methods as standard; Equation Editor Software allowing custom calculations to be applied to measured data

Multi-user analytical instrument with secure login to protect methods

USB memory-stick data/method storage and USB PC connection – export data the way one wants

Full European Pharmacopoeia compatibility

21 CFR part 11 compatibility

### **Accessories required:**

Peltierthermocirculator

- Operating Temp. Min. - 20°C
- Temp. Accuracy -  $\pm 0.1$ °C from 20°C to 60°C
- User-friendly interface and digital display
- Display current and set temperatures

Thermostatted 5 cell holder

Standard PC Compatible to Windows® XP, Windows Vista® & Windows 7

Control Software: Suitable Software with Life Science applications

Warranty – 3 years

## TERMS AND CONDITIONS

### **I. General Information:**

- a). Last date and time of receipt of the Tenders: 3. 3. 2014, 3.00 PM.
- b). Date and Time of Opening of the Quotations: 3. 3. 2014, 3:30 PM.
- c). Tender Document fee Rs. 1000/-
- d). EMD rates: 2.5% of the quoted price.

**d) Two bid systems have to be strictly followed. One for Technical bid and another for commercial bid and each bid should be submitted in separate sealed covers.**

e) However, the tender document fee and EMD as specified above should be remitted by each firm / bidder, collectively for all their bids advertised under this tender.

f) 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.

**g)The Tenders Document Fee and EMD should be submitted along with your quotations.**

h) The Tenders must be submitted along with the stipulated Tender document fee and EMD in thesealed cover, super-scribing the name of the Department/Centre for whose equipment's the tender is quoted for. The name and address of the bidder should also be mentioned at the from address space.

i). The Tenders should be addressed and posted to the following address by speed or registered post or by courier to **Prof. K.Jeevaratnam, Co-ordinator, DST-FIST Program, Department of Biochemistry and Molecular Biology, Pondicherry University PUDUCHERRY – 605 014.**

J) Tenders will not be accepted through fax / e-mail.

### **II. Common Conditions (Import or Indigenous)**

#### **1. Purchase of Tenders Document:**

The Tender document can be downloaded from the University website [www.pondiuni.edu.in](http://www.pondiuni.edu.in) or procured from the Pondicherry University on payment of fee as

specified above, by means of a D.D, drawn in favor of **The Finance Officer, Pondicherry University**, payable at Puducherry. The downloaded application should be accompanied with the quotation document fee, in the form of a Demand Draft.

## **2. 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 equipments is supplied to the respective Department, Pondicherry University.

## **3. Quoting the Core price & Tax, Duties, Discount etc.**

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

## **4. Eligibility:**

The firm must have the requisite domain expertise with regard to supply, installation and postal 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 quotation and must have executed at least three orders for this kind of equipments during the last three years.

## **5. 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 Research (DSIR), India, vide their Notification No.10/97 dt. 01-03-1997 and 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, microchips etc.
- d) Prototypes.

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

## **6. Technical Specifications**

- i. **WARRANTY:** The equipments 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 5 years)** from the date of putting the system into operation at the Department of Biochemistry and Molecular Biology, Pondicherry University, or at least 42 months from the date of receipt of the last lot of the consignment in India.
- 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 to be included in the Technical 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 for a minimum period of two days from the date of installation with an expert team.
- vi. Technical post sale support by email and telephone will be provided during the period.
- vii. Operating Manual should be provided in English.
- viii. A clear statement regarding availability of after-sales service and availability of spare-parts for next 3 to 6 years should be included.
- ix. 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.
- x. If the equipment is proprietary a product, a proprietary product certificate should be enclosed.
- xi. The information pertaining to infrastructural, power and any other requirement for satisfactory installation and commissioning of the whole system must be provided by the bidder, at least 30 days in advance of the installation to be commenced if purchase order is issued.
- xii. The equipment must operate at 230V / 50 Hz single phase and / or equivalent three phase electrical power.
- xiii. If the bidder is an authorized representative in India, they are requested to inform their technical ability to take care of the problems in the system, if developed later within the warranty and outside the warranty period. The responsibility of the Indian agent must be clearly specified.
- xiv. The bidder from abroad shall obtain, if required, export permission from the appropriate authorities in his country or the country of origin for items to be shipped to India in case of items to be imported. The University shall provide necessary information if required for this purpose.
- xv. **The validity of the each tender should be at least for THREE MONTHS from closing date.**
- xvi. The offers will not be considered if received after the bid closing date and time.
- xvii. The offers received through telex / telefax / e-mail will not be accepted by the University under any circumstances.
- xviii. The University shall not be responsible for any delay / loss or non-receipt of tender by post / courier service.
- xix. No unsolicited correspondence shall be entertained after the submission of the offer.
- xx. 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.
- xxi. Additional terms and conditions will be incorporated in the purchase order, if needed, to safeguard the interests of the University.
- xxii. Tenders are not transferable.
- xxiii. 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.

## **7. 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 equipments 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 Tender must be accompanied by EMD as stated above, by means of a Demand Draft, drawn **in favor 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 equipment 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 Indian currency

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