

PONDICHERRY UNIVERSITY, PUDUCHERRY – 605 014

DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY

Ref: PU/DBMB/RR/Tenders/2013-2014/

14-08-2013

Sealed quotations under two bid systems are invited for purchase of **multimode ELISA plate reader** Under DST-SERB project. The quotations duly signed and sealed should be sent by Post (Normal / Speed / Registered / Courier) to **Dr. R. Rukkumani, Assistant Professor, 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 August 30, 2013, 3.00 PM.**

Specifications And Allied Technical Details-

The instrument should be a multimode plate reader with Photometric technology, Fluorescence intensity technology and Luminometry technology to support end point, kinetic, spectral and well area scanning measurements.

Preferably the instrument should be modular and it should have the provision to upgrade any latest technologies which can perform Kinase assays, Protein:Protein interaction, Protein:Small molecule interaction, cell based and biochemical binding assays based on Optical biosensor and Alpha technology at site in future.

Instrument should read plate formats up to 384-wells; it should also have the option to read plates for low sample volumes (1 ul to 5ul sample volume) and 8 cuvettes at a time.

Initial consumables like, specialized micro plates for Photometric and Fluorescence supplied free of cost along with the instrument.

Application demo has to be provided by trained Application scientist for initial optimization and standardization of the assays at site for free.

Photometry:

Light Source : Xenon flash lamp
Wave length selection : Quadruple monochromators
Wavelength range : 230-1000 nm
Wavelength increment: 0.5nm or preferably less
OD value : for 96 well & 384 well plate 0-4 OD.
Accuracy : @ 2 Optical density should be <2%
Precision : @ 2 optical density should be <0.1%.
Band width : 5 nm
Detection : Photodiode

Fluorometry:

Light Source : Xenon flash lamp
Wave length selection : Dual excitation monochromators and Dual emission monochromators
Wavelength range : 230-850 nm

Wavelength increment: 0.5nm or preferably less
Band width : for excitation and emission 5nm.
Sensitivity : < 1 fmol/well for fluorescein with 96 & 384 well plate reading
Detection : Photomultiplier tube

Ultra-sensitive Luminometry:

Measurement : Flash and glow luminescence.
Sensitivity : 96 & 384 ATP - 10pM/well (Glow), 384 well plate ATP - 15 amol/well (Flash)
Lower detection limit : 1 fg for Firefly luciferase
Dynamic Range : 6 logs or more
Cross talk : < 0.02% or less
Detection : low noise photomultiplier tube

Incubation:

Minimum temperature : ambient temperature +2 °C
Maximum temperature : +65 °C or preferably more
Temperature gradient @ 37 °C : ±0.5 °C
Temperature accuracy : ± 1 °C
Condensation prevention : It is preferred to have upper heating element

Plate shaking

Modes : Linear, orbital and double orbital.
Speed : Three speed levels
Amplitude : Adjustable

Software:

Should be possible to run calculation methods including average, % CV, standard deviation, Z factor, blank correction, dilution correction and many more.

Software must be included in price and should also function on curve fit, dose response, kinetic parameters, user defined calculations.

Data export format-should be USB, Internal network, CSV including Excel, text, graphics.

There must be no limitations on the number of installation of the software.

Software available offering features needed for compliance with the FDA's 21 CFR Part 11 with database based software.

Suitable computer to be provided free of cost along with the equipment

TERMS AND CONDITIONS

I. General Information:

a) Last date and time of receipt of the Quotations: August 30, 2013, 3.00 PM.

b) Date and Time of Opening of the Quotations: August 30, 2013, 3:30 PM.

b) Quotation / Tender Document fee Rs. 1000/-

c) 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 Quotation / Tender Document Fee and EMD should be submitted along with your quotations.

h) The quotation must be submitted along with the stipulated quotation document fee and EMD in the sealed cover, super-scribing "**Multimode ELISA plate reader- Department of Biochemistry and Molecular Biology**". The name and address of the bidder should also be mentioned at the from address space.

i) The quotations should be addressed and posted to the following address by speed or registered post or by courier to **Dr. R. Rukkumani, Assistant Professor, Department of Biochemistry and Molecular Biology, Pondicherry University PUDUCHERRY – 605 014**

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

II. Common Conditions (Import or Indigenous)

1. Purchase of Quotation Document:

The Quotation / Tender document can be downloaded from the University website **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 equipment 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 postsale 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 equipment 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 quotation 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 quotations 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. Quotation is not transferable.

xxiii. In case of any dispute in respect of the quotation, 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 Quotation 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
