



**PONDICHERRY UNIVERSITY
SCHOOL OF LIFE SCIENCES
DEPARTMENT OF BIOTECHNOLOGY**

Ref. No.: PU/DBT/2019-20/PK/DST-SERB/Tender for equipment/

Dt.: 22.07.2019

Tender Notification

Tenders are invited from reputed manufacturers/ authorized dealers of reputed manufacturers for supply and installation of below mentioned equipment as per the technical specifications and model mentioned against each item. The quotations can be submitted for one or more equipments. The quotations duly signed and sealed should be submitted to **Dr. Prashanth, K, Assistant Professor and Project Investigator for DST-SERB Major Research Project, Department of Biotechnology, Pondicherry University, Puducherry - 605 014.**

The quotation 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 your quotation. The technical specifications are given below. Last date for receiving quotation is **09.08.2019**

Name of the required Equipments:

- 1. PCR Thermal Cyler (Hi-Media Prima-Duo – Model LA948)- Proprietary - 1 No.**
- 2. ELISA Reader (Model - iMark Micro Plate Reader; Make Biorad) - Proprietary - 1 No.**
- 3. Microprocessor controlled Incubator - 1 No.**
- 4. Semidry Transblot (Hoefer) - 1 No.**

The detailed specifications of the individual equipments are given below:

1. PCR Thermal cyler (Hi-Media Prima-Duo Model LA948) - Proprietary

Sample capacity 48 x 0.2ml x 2; having two thermal blocks and each of these thermal block should have 4 independent temperature sensors and 8 peltier elements to ensure uniform and accurate temperature across the block. Replaceable module with the thermal blocks can be interchanged with single 96 well block. Block material Aluminum Alloy;

Temperature Range (°C) 0-100°C. Heating Rate (°C/sec) 5 sec; Cooling Rate (°C/sec) 4 sec; temperature control accuracy (°C) $\pm 0.1(30-99.9^\circ\text{C})$; Temperature uniformity (°C) $\pm 0.2(30-72^\circ\text{C}, 10\text{s})/\pm 0.3(90^\circ\text{C}, 10\text{s})$. Hot-lid Temperature (°C) 30-110°C; Gradient Range (°C) 1-30°C; Gradient Temp Range (°C) 30°C - 100°C; Control Mode - Block, Tube

Display - 8 inch TFT touch screen, 800x600 Pixels, TFT, inbuilt memory for saving programs up to 10000 files and Preloaded with PCR protocols.

Auto restart facility; Pause function facility; Progressive increase/decrease of temperature and time; Editing function while running; should support touch screen and USB mouse, Touch calibration and Tm calculator. No of steps & cycles – supporting 25 steps and 99 cycles; internet and USB connection, should provide net work control i. e. Operated using PC control software; simultaneous controlling of other PCR systems by Ethernet connection

Input Voltage - AC85-264, 47-63Hz

Input Power - 600W;

Manufacturer should provide a Standard Warranty of 3 years

2. ELISA Reader (Model - iMark Micro Plate Reader; Make Biorad) - Proprietary

The ELISA reader should includes filters 415,450,490,595,655, 750nm, plate shaker onboard s/w, and thermal printer, one roll printer paper, USB 2 and power cables

Supplied with spare fuse, power cord, dust cover; Motorized door for plate loading

Wavelength Range: 400-750nm

Photometric Range: 0.0- 3.5 OD

Linearity: = 1.0% from 0.0 – 2.0 OD; =2.0% from 0.0-3.0 OD

Accuracy: 1.0% or 0.010 from 0.000- 3.000 OD at 490 nm

Precision: 1.0% or 0.0005 OD from

0.0-2.0 OD, 1.5% from 2.0 – 3.0 OD

Resolution: 0.0001 OD

Filter Wheel Capacity: 8

Plate shaking 3 speeds: low, mid, high: duration: 0.999 Sec.

Read Time 6 sec at single wavelength, 10 sec at dual wavelengths

Data Output: Onboard graphical thermal printer and USB2

Interface with PC, calendar/clock function: 64 assay protocols

Self –diagnostic capabilities to detect lamp bum out at startup.

Software

High-Throughput Analysis and Reporting; Running of 12 separate assays on the same plate

Optional automatic printing upon completion of measurement

Multiple-plate processing with automated data export

Custom reporting function that provides one-button screening for predefined assays, such as for TSE Comprehensive Curve-Fit Analyses

Linear, quadratic, cubic, or logistic (4-parameter) fit types

Manufacturer should provide a Standard Warranty of 3 years

3. Microprocessor controlled Incubator

Incubator with natural convection – Volume 22 liters capacity along with aluminum shelf's

The instrument should be programmable, reliable, with efficient and accurate PID microprocessor control system

Volume - 22 liters; Number of Shelves 2/6

Internal Dimensions (WxDxH) mm. 300x240x300

External Dimensions (WxDxH) mm. 555x380x460

Temperature Range Ambient Temp + 5°C / 80°C

Temperature Sensor- Fe-Const
Temperature Set and Display Sensitivity - 0.1°C
Temperature Set and Display Sensitivity 0.1°C
Temperature Variation (up to 40 °C) ± 0.5°C
Temperature Fluctuation ± 0.1°C
Timer - 1 minute to 99.9 hours + Hold Position
Delayed Start Timer - 1 minute – 99.9 hours
Internal material - Anodic-oxidated Aluminum/ Stainless steel
External Material Epoxy - Polyester Powder Coated Steel
Power Consumption - 100 W
Power Supply 230 V, 50/60 Hz
Manufacturer should provide a Standard Warranty of 3 years

4. Semidry Transblot (Make: Hoefler)

Semi-Dry Transfer Unit with Built-In Power Supply, Gel Size (W X L): 14 X 16cm
Should include: Molded Base w/Pt-Nb Anode & Internal Power Supply, Hinged Lid
w/Stainless Steel Cathode.
Maximum Power Settings - 30 V, 500 mA, 15 W
Maximum Temperature - 45°C
Indoor Use - 4-40°C
Humidity Up to 80%
Unit Dimensions (w x h x d) -38 x 46 x 9 cm
Safety Certifications - EN61010-1, UL61010-1, CSA22.2 1010.1, CE
Additional Accessories - Blotter Paper - 25 sheets Porous Cellophane-50 sheets,
Mylar Masks - 2 pcs
Standard Warranty of 3 years for the Unit

TERMS AND CONDITIONS

I. General Information:

a) **Last date and time of receipt of the Tender: 9th August, 2019 at 3.00 PM**

b) Quotation/ Tender document Fee: Rs.500/-

c) EMD rates: 2.5% of the quoted price

d) 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.

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

f) The Tender must be submitted along with the stipulated EMD fee in the sealed cover, superscribing “**Tender for DST-SERB Project Equipments, Department of Biotechnology**”. The name and address of the bidder should also be mentioned at the “From address” space.

g) The Tender should be addressed and posted to the following address by speed, registered post or by courier.

Dr. Prashanth, K, Assistant Professor and Project Investigator for DST-SERB Major Research Project, Department of Biotechnology, Pondicherry University, Puducherry-605 014

h) 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

- a) **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.

- b) 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.
- c) Complete technical specifications of the Equipment including the Operating system to be included in the bid.
- d) **A clear statement regarding availability of after-sales service and availability of spare-parts for next 5 to 10 years should be included.**
- e) The necessary service support should be provided by Bidder during the agreement period.
- f) The training should be provided by the supplying companies.
- g) Operating Manual should be provided in English.
- h) 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.
- i) If the Equipment is proprietary a product, a proprietary product certificate should be enclosed.
- j) The Equipment must operate at 230V / 50 Hz single phase and / or equivalent three phase electrical power.
- k) **The validity of the each quotation should be at least for SIX MONTHS from closing date.**
- l) The offers will not be considered if received after the bid closing date and time.
- m) The offers received through telex / telefax / e-mail will not be accepted by the University under any circumstances.
- n) The University shall not be responsible for any delay / loss or non-receipt of the tender by post / courier service.
- o) No unsolicited correspondence shall be entertained after the submission of the offer.
- p) 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.
- q) Additional terms and conditions will be incorporated in the purchase order, if needed, to safeguard the interests of the University.
- r) Tender is not transferable.
- s) 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:

- a) 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.
- b) No Agency commission will be paid to any authorized agent in India.
- c) 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.
- d) Bidder(s) must be authorized business partners of Global / National service providers of the respective Equipment.
- e) 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.

f) 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.
