



**PONDICHERRYUNIVERSITY**  
(A Central University)  
([www.pondiuni.edu.in](http://www.pondiuni.edu.in))  
Kalapet, R.V.Nagar  
Puducherry-605 014

**Tender Notice for Laboratory Equipment**

Pondicherry University invites sealed tenders under Two Bid system (Technical and Commercial) for purchase of equipment - RT-PCR machine. The complete details are available on the University website: [www.pondiuni.edu.in](http://www.pondiuni.edu.in).

The last date and time for submission of tenders is **12<sup>th</sup> July 2017 at 3.00 pm.**

Principal Investigator  
Dept of Microbiology

**Tender Document**  
**PONDICHERRY UNIVERSITY**  
**(A Central University)**  
**(R.V.NAGAR, KALAPET, PUDUCHERRY – 605 014)**

**SCHEDULE OF TERMS & CONDITIONS**

PU/DM/EQ/JS/2017-18/

Date: 22.06.2017

Sub: Supply of Scientific Equipment – Department of Microbiology for funded research projects - reg.

**Schedule of Requirements**

Sealed tenders are invited under two bid systems for supply of Scientific Equipments to Dr. Joseph Selvin, Principal Investigator, Department of Microbiology, Pondicherry University. Puducherry 605014. The last date for the submission of tender is **12th July 2017 at 3.00 pm.** The technical details and specifications given below:

**Specifications & Technical Details**

**Code: PU-MB-DBT-2016-RT-3**

**REAL TIME PCR MACHINE**

The quotation should have separate price for the following 4 components:

**1. Instrument:**

1. A dedicated multicolor Real Time PCR system (excitation and emission) with latest generation Peltier-based 96-well plate/tube in-built PCR to support:
  - a. Gene-Expression analysis,
  - b. Pathogen Quantitation,
  - c. SNP Genotyping,
  - d. Plus/Minus Assays that utilize internal positive control,
  - e. Dissociation Curve Analysis,
  - f. Multiplexing and complete End-Point Assays.
2. Six decoupled filters with minimum 6plex multiplexing (six targets in one tube).
3. Instrument should be a latest advanced design with standalone operation independent of Computer work station.
4. System should have a port for USB Drive for uploading and downloading data and programs.
5. Dedicated Real time Thermal cycling system Peltier-based, 386/96-well block can accommodate both 386/96 well PCR plates.

6. System should have the provision to do the Column Gradient function for the temperature programmable range Maximum 20 °C gradient range.
7. System should allow Optimum reaction volumes for each application - 5µl to 50µl and Sample ramp rate more than 4 °C while heating and less than 2 °C while cooling.
8. Working Programmable range 37 to 99 °C, Sensitivity from 1 copy detection and dynamic range of 10 orders of magnitude.
9. System should compatible with all kind of chemistry Syber green and Hydrolysis probe and compatible with all kind of kits in market. Should be open system for both reagents & disposable plastic consumables.
10. System should use cooled CCD camera for detection without any moving detectors or scanning detectors
11. Application software like dedicated primer and probe design software as well as relative quantitation analysis software to analyze multiple 96-well-plates of data simultaneously must be included as standard supply in the quoted price.
12. A complete line of reagents including TaqMan<sup>®</sup> universal PCR Master Mixes and SYBR<sup>®</sup> Green I Master Mixes, and disposables including tubes and 96-well plates for use with the system must be quoted. The manufacturer should quote a choice of ready-made assay kits or ready-to-make assay kits for Gene Expression as well as SNP analysis.
13. The installation specifications must demonstrate the ability of the system to distinguish between samples containing 5,000 and 10,000 template copies with a confidence level of 99.7% using an RNaseP instrument verification plate or alike. The system must be calibrated optically for the pure dyes during installation at sight.
14. Necessary control / QC kits for installation should be supplied along with instruments
15. Software should compatible with all type of systems win 7, win XP, win 8 and win 8.1
16. RT PCR software should be multi user installation facility and allow the user to design the experiment or plate layout before running or during the run.
17. Software should allow to import / export formats like Txt export, Charts: Data and image.
18. System software should support the remote access for trouble shooting.
19. Computer: A business line computer should be provided with the system.
20. Vendor should also supply complete range of TaqMan readymade and custom design assays.
21. The supplier should be able to supply all the reagents and consumables for the operation of the system.
22. Mandatory accessories: Stabilizer and Air-conditioner for running the equipment.

2. *Whole bacterial genome sequence data (5 bacterial genomes) for qPCR*

3. *Whole meta-microbiome data (5 metaDNA) for qPCR*

4. *Metaproteomic data (2 marine microbiome samples) for qPCR studies: In-gel protein digestion, LC-MS/MS on a nanoflow HPLC system, microarray data, Peptide identification and Functional and phylogenetic annotation of peptides.*

## **TERMS AND CONDITIONS**

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

1. Last and time of receipt of the Tenders: **12.07.2017, 3.00 PM**
2. Date and Time of opening of Tender and Technical Bid: **12.07.2017, 3.15 PM**
3. Date and Time of opening of Price Bid: will be intimated
4. **Tender Document fee Rs. 1000/- per each equipment**
5. **EMD rates: 2.5% of the quoted price of each equipment**
6. **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.**
7. **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, additional warranty, offer of additional / special features, Compatibility with the existing System, Training, etc.
8. The Tender Document Fee and EMD should be submitted in a separate cover superscripting **Bank Demand Draft** and **which should be enclosed with the technical bid.**
9. The tender / quotation must be submitted along with the stipulated tender document fee and, EMD in the sealed cover, super-scribing "Tender to Dr. Joseph Selvin, Department of Microbiology".
10. The cover should also contain the information like, Name of the Equipment and Serial Number of Equipments for which the bids are submitted. The name and address of the bidder should also be mentioned at the from address space.
11. The tenders should be addressed to **Dr. Joseph Selvin, Principal Investigator, Department of Microbiology, Pondicherry University, Puducherry 605 014.**
12. Quotations will not be accepted through fax / e-mail.

### **II. Common Conditions**

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

The Tender document can be either downloaded from the University website [www.pondiuni.edu.in](http://www.pondiuni.edu.in) or procured from the Information Facilitation Counter, Dr.Ambedkar Administrative Block, Pondicherry University on payment of fee as specified above, by means of a D.D. drawn in favour of the Finance Officer, Pondicherry University, payable at Puducherry. The downloaded application should be accompanied with the tender document fee, in the form of a Demand Draft. Separate bids should be submitted.

## **2. Price Schedule**

The bidder may either quote for the entire equipments or individual items required for the funded-projects. 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 (if any), etc. at the respective Department, Pondicherry University.

The prices quoted shall remain firm until equipment is supplied to the Department of Microbiology, 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 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.

## **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 dt. 23.07.96 respectively,

### **In respect of**

- a. Scientific and technical instruments, apparatus, equipment 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.

## **6. Warranty:**

The material covered under the purchase order, when installed, shall be warranted for the quality, workmanship, trouble free operation and performance for a period of **three years from the date of putting the system into operation** at the Pondicherry University.

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.

7. The information pertaining to infra-structural, power and any other requirement for satisfactory installation and commissioning of the whole system must be provided by the bidder, at least 120 days in advance of the installation to be commenced if purchase order is issued. All drawing for electrical connections, electrical safety items piping work etc. must be provided in detail.
8. Complete technical specifications and literature, including process flow, to be included with the quotation. Manufacturers of various major parts/equipment must be mentioned explicitly.
9. A clear statement regarding availability of after-sales service and availability of spare-parts for next 5 to 10 years should be included.
10. 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.
11. 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.
12. 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.
13. All equipment must operate at 230V/50 Hz single phase and / or equivalent three phase electrical power.
14. The validity of the each quotation should be at least 1 Year from closing date of the bid.
15. The offers will not be considered if received after the bid closing date and time.
16. The offers received through telex / tele-fax / e-mail will not be accepted by the University under any circumstances.
17. The University shall not be responsible for any delay / loss or non-receipt of tenders by post / courier service.
18. No unsolicited correspondence shall be entertained after the submission of the offer.
19. 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.
20. Additional terms and conditions will be incorporated in the purchase order, if needed, to safeguard the interests of the University.
21. Tender is not transferable
22. 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.

**23. Power to reject the offer:**

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.

24. No Agency commission will be paid to any authorized agent in India.

25. 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.

26. The training should be provided by the supplying companies on the specimen and operation of the equipments for a minimum period of two weeks from the date of installation with an expert team.

27. For any clarification with respect to technical specifications, please contact the Principal Investigator as per the details given below: -

Dr. Joseph Selvin  
Principal Investigator  
Department of Microbiology  
School of Life Sciences  
Pondicherry University, Puducherry 605014  
Tel: 9944263367, Email: josephselvinss@gmail.com

**III. Specific Conditions:****1. Payment of EMD:**

The Tender 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 in a separate cover. The amount is refundable. The Small Scale units are exempted from payment of EMD provided they should enclose proof of their exemption Certificate issued by the competent authority.

**2. Payments terms:**

Normally a letter of Credit will be opened for 90% of CIP price, on receipt of order acknowledgement. However, 100% of the LC also be considered, if the supplier provide 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.

3. 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 Rupees or in US Dollars or in major foreign currencies.

**4. The total cost should be quoted for FOB as well as CIF – Pondicherry University.**

5. However, the price quoted under FOB or should also include the following cost if they are required during the initial stage:

a) Local freight / insurance for Chennai airport to University laboratory.

b) Installation cost if any.

c) Cost of consumables which are required for the equipment for initial operation upto areasonable time.

6. In case of the Principal supplier of Foreign country unable to meet the conditions stated at para no.4, the local agent / dealer should fulfill the above said conditions in respect of Local Insurance, Freight, safety transport and installation, etc.

7. The bidder from within India shall obtain the requisite approval for Imports etc., if required

Date: 22.06.2017

PRINCIPAL INVESTIGATOR