



PONDICHERRYUNIVERSITY
(A Central University)
(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 equipments. The complete details are available on the **University website: www.pondiuni.edu.in**.

The last date and time for submission of tenders is 9th Jan 2014 at 2.00 pm.

Principal Investigator, DBT project
Dept of Food Science and Technology

Tender Document

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

SCHEDULE OF TERMS & CONDITIONS

PU/FST/EQ/GSK/2013-14/

Date: 19.12.2013

Sub: Supply of Scientific Equipments – Dept of Food Science and Technology - DBT project - Reg.

Schedule of Requirements

Sealed tenders are invited under two bid systems for supply of Scientific Equipments under DBT project to Dr. G. Seghal Kiran, Principal Investigator, Dept of Food Science and Technology, Pondicherry University. Pudcherry 605014. The last date for the submission of tender is **9th Jan 2014, 02.00 PM**. The technical details and specifications given below:

Specifications & Technical Details

Code: PU-FST-DBT-2013-01

FLUORESCENT MICROSCOPE

Trinocular Research Microscope with Bright field, Dark field, Phase contrast, Fluorescence attachment and CCD cooled Camera with Image Software (**IMPORTED with licensed / patented Microscope shall be quoted. Assembled / Indigenous make will not be considered**).

Technical Specification

Magnification Range : **40x -1000x Optional: Up to 2000X**

- | | |
|-----------------|--|
| Microscope Body | : Sturdy, high – tech aluminum casting base with supportive anti-vibration rubber feet. |
| Nosepiece | : Sextuple, reverse-angle mechanism with multiple ball Bearing, elastic nosepiece 6.nos . |
| Head | : Trinocular head for Optics, 30° inclined, 360° rotatable. Interpupillary Distance 48 – 75 mm Provided with anti-Fungus Treatment. |
| Stage | : Double layer mechanical stage, with Right handed Mechanical stage, Moving area range 80 x 55 mm with Low position coaxial coarse and calibrated fine focus |

Control with graduation reading 1 micron per division.
Condenser : Abbe 0.9/1.25 **Universal Condenser** for Bright field,
Phase Contrast, Dark field and Fluorescence
Collector System : REAL Koehler illumination with optical light collector
system
Eyepieces : EWF 10x/22 extra wide field mm
Optional : 20X/13mm (Magnification 2000X)

Objectives : **Infinitive Corrected Objectives**

Objective **Plan 4x**/ 0.10 W.D. 17.8 mm
Objective **Plan 10x**/0.25 W.D. 10,0mm
Objective **Phase 20x**/0.50 W.D. 1.5mm
Objective **Fluorescent - PLAN 40x** /0.75 W.D.0,35mm
Objective **PLAN 60x**/0.75, WD 0.35
Objective **Fluorescent - PLAN100x**/1.3,WD0.13 mm

Dark Field attachments : Irish diaphragm objectives, **100X oil**

EPI FLUORESCENCE Attachments – for 6 norm filter cubes

Equipped with a HBO burner **100 Watts Mercury**

Blue

Green

Ultraviolet

Violet

CCD Color Cooled Camera minimum 5.0 Megapixel with Image Analysis Software

Accessories

1. Computer System

High End Intel i3 Processor, Intel original motherboard, 500GB HDD, 3GB RAM,
Computer System with Branded 23" LED Monitor for Microphotography Systems DVD writer
With UPS Systems

And color printer

Suitable Servo controlled stabilizer with UPS systems

Miscellaneous

Warranty: 3 years for all the above items Comprehensive AMC

Code: PU-FST-DBT-2013-02

GRADIENT PCR MACHINE

(IMPORTED WITH 3 YEARS WARRANTY)

Specifications

- Interchangeable or Multiple Thermal Block capacity in a single unit with following should be quoted

- 96 X 0.1 ml PCR Strips
- 96 X 0.2ml PCR tube
- 71 X 0.5ml PCR Tube
- 1 X 96 Well PCR Plate
- Innovative flexible lid system
- Temperature control of block: 4 - 99°C
- Temperature control mode: Fast, standard and safe – all in Gradient mode
- Block should maintain 20°C until the set lid temperature reaches
- Gradient Block – Over 12 Columns and gradient possible in all three steps
- Gradient selectable from 1 - 20°C across the entire temp. control range
- Gradient should be capable of running at the specified ramping rates.
- Heating & cooling ramp rates should be identical both in gradient and normal operations.
- Possibility to set time and temperature increments in PCR programming
- Block Homogeneity: $\pm 0.3^{\circ}\text{C}$ (20 – 72°C); $\pm 0.4^{\circ}\text{C}$ (90°C) & Control Accuracy: $\pm 0.2^{\circ}\text{C}$
- Heating rate: 3°C/s or higher
- Cooling rate: 2°C/s or higher
- Intuitive graphic programming
- Booking schedule allows users to reserve the instrument in advance
- Customized programming allows a maximum of 20 steps and 99 cycles
- Runtime display shows remaining time in larger font for better view from distance
- System memory of more than 100 User folders and more than 700 programs
- Two USB ports: for Protocol transfer, Self-test, USB, printer / mouse
- Log book function for error messages and new calibration
- Machine should send E-mail Notification to the specified Email id about the instrument status.
- Power save Standby function
- Option to connect up to TWO PCR machine for ultimate throughput..
- Optional Self-test dongle to check functionality of all 6 peltier elements
- Option for doing In-situ PCR (4 Slides at a time)
- Ability to store methods on external card for safety and multiple user capability
- Adjustable ramp rate from 0.1° C to 3.0° C to meet critical amplification conditions
- Calibration according to NIST,DKD,UKAS standards
- System must meet directives of “Restriction of Hazardous Substances (RoHS)” compliant (with indication of 2011/65/EC directive in certificate), CE & ISO certified.
- Validation and calibration facility should be available in the system
- Auto restart option in event of Power failures.
- Suitable UPS with 2 Hr back Up Should be quoted.

Accessories (for PCR reaction preparation)

MicroCentrifuge (18-place micro centrifuge with maximum 14000 RPM 16,873 x g, Sufficient adapters for 0.2ml PCR tube and 0.5ml tube), MicroPipettes (~0.1-2.5 μl , ~2-20 μl , ~20-200 μl ~100-1000 μl) and Coolers for 0.2 & 0.5 ml tube (96 well format Cooler, cool samples for more than a hour at 0°C and indicator color change when temp exceeds 7°C).

Code: PU-FST-DBT-2013-03

**LYOPHILIZER
(IMPORTED WITH 3 YEARS WARRANTY)**

Technical Specifications

- ✓ Automatic Leak System can prevent from Vacuum Oil's Back Flow when the power turned off or breakout occurs.
- ✓ Ice can be refrozen and removed smoothly from the vessel by Hot Gas Bypass System.
- ✓ It's loaded with Pirani Vacuum Gauge.
- ✓ Safety Valve is linked with service Receptacle for Vacuum Pump.

Performance

Trap Cooling Temp. : -45°C / -85°C
Dehumidify Amount : 0.6L
Time to Reach : 50min. (+20 -> -45° C)

Components

Refrigerator : Air Cooling Type, 300W
Refrigerator, Coolant : Coolant Amount: 300g ±5g
Bath Shape , Material : Cylinder Type
Drain : Vacuum Hose with Stopper
Vacuum Gauge : Pirani Vacuum Measure
Service Receptacle : for Vacuum Pump Max. 6A, for Heater Max. 2A
Trap Defrost : Defrosted by Hot Gas

Safety Device

Safety Countermeasure : Electric Leakage Breaker with Over Current Protection,
Refrigerator Overload Relay, Valve for Back Flow

Prevention

Standard

Trap Dimension : 153 x H1125 mm
External Dimension : W300 x D459 x H720
Internal Capacity : Approx. 4L
Power : AC 100V, 50/60Hz, 6A
Power Code : 1.6m
Suitable Vacuum Pump's
Displacement : 50/60L/min
Weight : Approx.43kg
Manifold A : Stopper: I.D 18.5mm, Stopper Pitch : 80mm, Port Qty 8,
Dimension (mm) : W304 x D60 x H263

Optional Items

Fixing Flask Chamber : Stopper: I.D.18.5mm, Stopper Pitch: 96mm, Port Qty:
12, Dimension (mm): ø 195 x H303 Vial Bottle (Serum Bottle)&
Valves : 50ml, 10pcs. Or 30ml, 10 pcs, or 10ml, 10pcs.
Ample Adapter : Single, 5pcs or Double or Triple, 5pcs.
Testing Tube Adapter : Straight or 45°C Bend (with Glass Joint)
Micro Tube Holder : 1.5ml, 24pcs.

TERMS AND CONDITIONS

I. General Information: -

1. Last and time of receipt of the Tenders: **09.01.2014, 2.00 PM**
2. Date and Time of opening of Tender and Technical Bid: **09.01.2014, 2.30 PM**
3. Date and Time of opening of Price Bid: will be intimated
4. **Tender Document fee Rs. 1000/-**
5. **EMD rates: 2.5% of the quoted price.**
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 – DBT project, Department of Food Science and Technology".
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. G. Seghal Kiran, Principal Investigator, DBT project, Department of Food Science and Technology, 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** 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 DBT-Project. 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 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 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. G. Seghal Kiran
Principal Investigator, DBT project
Department of Food Science and Technology
School of Life Sciences
Pondicherry University, Puducherry 605014
Tel: 0413-2917243, Email: seghalkiran@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 separately. 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: 19.12.2013

PRINCIPAL INVESTIGATOR, DBT project

ANNEXURE - I
BANK GUARANTEE

Pondicherry University
Bharat Ratana Dr. B R Ambedkar Administrative Building
R Venkataraman Nagar
Puducherry 605 014

This guarantee made this _____ day of _____ 201_ by _____ Bank having its Registered Office at _____ and one of its branches at _____ (hereinafter referred to as “the Guarantor” which expression shall, unless it be repugnant to the subject, meaning or context thereof, be deemed to mean and include its successors and assigns) in favour of the Pondicherry University, Puducherry 605 014 represented by its Registrar, having his office at R. Venkataraman Nagar, Kalapet hereinafter referred to as the “University” which expression shall include his successors in office for an amount not exceeding Rs. _____ (Rupees _____ only) at the request of M/s. _____ (more fully described hereunder)

2. Whereas the University has placed Work Order No: PU/ _____ dated _____ for _____ with _____ M/s. _____ having its office at _____ and hereinafter referred to as the “Contractor” which expression shall include their successors and assigns.

3. And whereas the Contractor has accepted and agreed to execute the work as per the work order as per undertaking / agreement dated _____ within the time stipulated and in the manner specified therein.

4. And whereas the University has called upon the Contractor to furnish Bank Guarantee for the sum of Rs. _____ (Rupees _____ only) for fulfillment of the said work as specified in the work order and as agreed to by the Contractor.

5. And whereas the Contractor has requested the Guarantor herein to furnish an irrevocable and unconditional Bank Guarantee in favour of the University for an amount of Rs. _____ as guarantee towards execution of the work as agreed to by the contractor to the University.

6. Now, therefore, we _____ Bank, the Guarantor herein, do hereby irrevocably and unconditionally Guarantee the payment to the University the sum not exceeding Rs. _____ (Rupees _____ only) in the event of any breach, failure, neglect or inability on the part of the Contractor in the execution of the said work, on demand without reference of the matter to the Contractor and without any prior consent of the Contractor, at all times throughout the period of execution of the work, without demur, cavil or argument or delay.

7. The Guarantor agrees and undertakes that the decision of the University as to whether the contractor has committed any breach of the obligation with respect to the work to be executed, and the quantum of amount therefore payable by the Contractor to the University in that regard, shall be final, binding and conclusive as against the Guarantor and the Guarantor shall make payment accordingly, on demand by the University.

8. The Guarantor further agrees and undertakes to pay to the University the amount demanded by the University irrespective of and notwithstanding any dispute raised by the Contractor in any suit or proceeding before any judicial forum relating to the Contracted work and the Guarantor's liability under this Guarantee shall be absolute and unequivocal.

9. This Guarantee is issued subject to the condition that the liability of this Guarantor under this guarantee is limited to the maximum of Rs. _____ (Rupees _____ only) and the guarantee shall remain in full force up to _____ and cannot be invoked otherwise than by a written demand or claim by the University for the payment of the said amount by the Guarantor on or before _____ or any extended date as decided by the University.

10. This University shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the contracted work or to extend time for performance of the work by the Contractor. Any change to the contracted work shall not in any way release the Bank (Guarantor) from liability under this Guarantee and we waive notice of any such change. The University shall have full liberty to forbear or enforce any of the terms and conditions of the contracted work.

11. This Guarantee shall not be affected by any legal limitation, disability or other circumstances relating to the Contractor or the Guarantor.

12. This Guarantee shall be valid for the period upto _____ and shall extend further and beyond _____ for such period as determined by the University.

13. The Guarantor undertakes not to revoke this guarantee except with the previous consent of the University in writing.

14. Notwithstanding anything contained herein:

Our liability under this guarantee shall be limited to Rs. _____
(Rupees _____ only)

This guarantee shall be valid upto _____ and for such further period as determined by the University for fulfillment of the contract.

We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before _____ or such extended period / date.

In witness whereof, this Guarantee has been executed by _____ for an on behalf of the Bank (Guarantor) on the day, month and year first above written.

SIGNATURE AND SEAL

NAME OF THE BANK (GUARANTOR)

ADDRESS:

ANNEXURE - II
BIDDER'S WARRANTY

The Registrar, Pondicherry University, Puducherry invited Bid Document for supply and installation of the equipment(s) namely, _____
at _____, Pondicherry University, Puducherry AND
M/s. _____

Thereinafter referred to as "The Bidder" having carefully studied all the bid documents, Specifications, etc. accompanying the tender for supply of the above mentioned Equipment and desirous to submit the bids as per the Tender Document advertised vide Notification No. PU/MB/EQ/XII Plan/2013-14/ dated 05.07.2013.

DO HEREBY WARRANTY THAT

1. The bidder is familiar with all the requirements of the bid documents.
2. The bidder has investigated the site and satisfied, he regarding the character and scope of the work and local conditions that may affect the supply or its Performance.
3. The bidder is satisfied that the supply can be performed and completed as required in the contract.
4. The bidder accepts all risk directly or indirectly connected with the performance of the contract.
5. The bidder has had no collusion with other contractors, with any of the men of Pondicherry University, Puducherry, or with any other person in preparation of the bid.
6. The bidder has not been influenced by any statement or promise of the Officials of Pondicherry University, Puducherry but only by the bid documents.
7. The bidder is financially solvent.
8. The bidder is experienced and competent to perform the contract to the satisfaction of the Co-ordinator, Central Instrumentation Facility, Pondicherry University, Puducherry.
9. The statements submitted with the bid are true.

10. The contractor is familiar with all general and special laws, acts, ordinances, rules and regulations of the Municipal, District, State and Central Government that may affect the work, its performance or personnel employed therein.

11. All the terms & conditions of the Supply Order will bind the bidder once his quote is accepted and supply order issued.

Signature of the Bidder