



PONDICHERY UNIVERSITY

**(A Central University)
R.V.Nagar, Kalapet
Puducherry-605 014**

Tender Notice for Scientific Laboratory Equipments

Department of Biotechnology, Pondicherry University invites sealed tenders under Two Bid system (Technical and Commercial) for purchase of – Trinocular Inverted Phase Contrast Fluorescent, NIBPM for rodents and Sample Concentrator. The complete details are available on the University website: www.pondiuni.edu.in.

The last date and time for submission of tenders is **13th February 2017 at 3.00 pm.**

Principal Investigator

Dr. A. Hannah Rachel Vasanthi

**Department of Biotechnology
Pondicherry University
Puducherry-605014**

PU/DBT/HRV/DST-DPRP/Equipment Tender/2017

23.01.2017

Sealed quotations are invited for the purchase of the following Laboratory equipments under DST (DPRP) project. The quotations duly signed and sealed should be submitted to **Dr. A. Hannah Rachel Vasanthi, Associate Professor, Department of Biotechnology, Pondicherry University, Puducherry -605 014.**

The quotation should be sent by post (speed/Registered Post) 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 **13.02.2017 at 3.00 pm.**

Name of the required items for DST (DPRP) Project:

- | | |
|---|---------|
| 1. Trinocular Inverted Phase Contrast Fluoroscent Microscope (Imported) | : 1 No. |
| 2. Non Invasive Blood Pressure Monitor (Imported) | : 1 No |
| 3. Sample Concentrator (Proprietary) | : 1 No |

1. TRINOCULAR INVERTED PHASE CONTRAST FLUORESCENCE MICROSCOPE WITH IMAGING FACILITY- (Imported)

- Infinity corrected Inverted Microscope with Phase Contrast & Bright field
- Quadruple nose piece
- coaxial coarse & fine focus with tension adjustment mechanism
- LED light illumination with Voltage / Power 2.25V / 2.8W
- LED Lifetime 20,000hours
- Wide field Trinocular Head with field No.22mm
- Light intensity ratio observation: Camera port 100:0 / 0:100,
- Wide field eyepiece 10X F.N.22mm.
- XY Mechanical Stage with Lifting type Micro plate holder & options for various stage inserts.
- Right handed Mechanical stage with low drive controls with Petri-dish, Terasaki – plate & Slide glass holders
- See through glass stage insert plate.

- Precentered Phase Contrast Slider for 4x, 10X 20X & 40X objectives, Plan Achromat 4X,
- Long working distance 10X Achromat Phase objective (pre centered) working distance 8.8mm,
- Long working distance 20X Achromat Phase objective (pre centered) working distance 3.2mm,
- Semi Plan Apochromate long working distance 40X/ NA 0.6, WD 3-4.2, Ultra Wide anti-reflection coating, Collar correction phase objective
- Cover Glass Thickness 0 – 2 mm, FN 22mm
- Fluorescence attachment:
- 100 Watts Reflected Fluorescence illuminator with UV, Blue & Green Excitation Filter
- Umbra Shield” Room light blocking plate is attachable to the condenser.
- UV, Blue & Green fluorescence excitation filter for DAPI/Hoechst/ GFP/Alexa Fluor 488 / GFP / FITC & Rhodamine / TRITC / m Cherry/Texas Red
- 100 watts Mercury Light source or LED illumination
- Colour Cooled Five Mega Pixel Camera with Software for
- Bright field Imaging, DIC.
- Phase Contrast Applications
- Dark field Imaging
- Fluorescence Imaging
- Publications & Documentations with Resolution: More than 5.01 Megapixels up to 2560 x 1920 Pixel in 10bit per RGB color channel
- Peltier Cooled upto -10 degree.
- Exposure Time: 1.6ms to 17.9 min
- Binning Mode: 2x2, 3x3, 4x4
- Digital Interface: IEEE FireWire Cable
- Software for Basic acquisition functions
- AVI recording
- Basic file handling functions
- Basic editing functions
- Static annotations
- Image navigator
- Gallery view
- Morphometry Analysis
- Annotations
- Advanced acquisition control Snapshot
- Time lapse
- Interactive measurements
- Extended Image processing filter, convert, geometry, extract

- Data export and statistics
- Report Generator Facility
- Computer: INTEL COREi5 CPU @ 3.3 Ghz, INTEL Q87PG MOTHERBOARD WITH BUILT IN GRAPHICS , SOUND AND ETHERNET ; 4 GB DDR3-L RAM; Graphics card 1GB VRAM, 19" TFT Monitor, Key Board, Mouse, Windows 7 Professional --- 64 bit, SP3,USB-3 port
- **Any special features will have an added advantage in decision making.**

2. NON INVASIVE BLOOD PRESSURE MONITOR-(Imported)

- Non Invasive Blood Pressure Monitor system for Rat/Mice on anaesthetized rodents
- Complete Blood Pressure system with data acquisition software to measure and record BP, pulse and mean HR
- Restrainer or holder for Rat/Mice
- Pressure tail cuff for Rat/ Mice
- Photo electric Sensor, for Rat/Mice
- Built in Warmer with operating temperature 25⁰-35⁰C
- Touch screen to key in necessary test setups
- Parameters-Systolic, Diastolic, Mean and heart rate with pressure range of 50-250 mmHg
- Data Transfer by USB Port
- PC for data acquisition and analysis
- Master and slave system for simultaneous result of both the animals tested
- Accessories - Cables and hand screws
- **Any special feature will have an added advantage in decision making**

3. SPECIFICATION FOR SAMPLE CONCENTRATOR- (Proprietary)

- System should be CE certified
- Nitrogen cylinder with Nitrogen Gas for Evaporation to direct the gas flow into the sample tubes at a precise angle.
- Pressure display in Digital with provision to select units with Bar/PSI/KPA unit selection
- Gas Flow: 100 L/min

- To accommodate 25 sample tubes of different volumes and each 5-position row to work independently.
- To hold test tubes with suitable racks for different volumes (1ml to 30ml).
- Display: LED Display
- Keypad: Feather touch operation.
- Temperature controlled water bath to maintain ambient temperature to 90°C
- Temperature Accuracy: +/- 0.3°C
- Time Range: 1 to 99 min
- Pressure Regulator range: 0-30psi adjustable.
- Facility to record and print test records via computer.
- 3 years warranty.
- Closed system with Powerful exhaust facility.
- Operating Voltage: 230V, 50Hz

TERMS AND CONDITIONS

I. General Information:

a) Last date and time of receipt of the Tender: **13th February, 2017 at 3.00 PM**

b) Date and Time of opening of Tender: **13.02.2017, 3.30PM**

c) Quotation/ Tender document Fee: **Rs.500/-** for each equipment

d) EMD rates for the various equipments

- | | |
|---|-----------------|
| 1. Trinocular Inversted Phase Contrast
Fluorescent Microscope (Imported) | - Rs. 25,000.00 |
| 2. Non Invasive Blood Pressure Monitor (Imported) | - Rs. 15,000.00 |
| 3. Sample Concentrator | - Rs. 5,000.00 |

e) 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.

f) The Quotation/Tender Document Fee and EMD should be submitted along with your technical bid.

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

h) The Tender should be addressed and posted to the following address by speed, registered post or by courier. **Dr. A. HANNAH RACHEL VASANTHI, Project Investigator and Associate Professor, Department of Biotechnology, Pondicherry University Puducherry – 605 014**

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

j) **Any special features will have an added advantage in decision making.**

II. Common Conditions (Import or Indigenous)

1. Purchase of Tender Document

The Tender document can be downloaded from the University website www.pondiuni.edu.in The downloaded application should be accompanied with the tender 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 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 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.

6. Technical Specifications

- i. 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.
- 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 of the Equipment including the Operating system to be included in the 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.

- vi. Operating Manual should be provided in English.
- vii. 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.
- viii. If the Equipment is proprietary a product, a proprietary product certificate should be closed.
- ix. The Equipment must operate at 230V / 50 Hz single phase and / or equivalent three phase electrical power.
- x. The validity of the each quotation should be at least for SIX MONTHS from closing date.
- xi. The offers will not be considered if received after the bid closing date and time.
- xii. The offers received through telex / telefax / e-mail will not be accepted by the University under any circumstances.
- xiii. The University shall not be responsible for any delay / loss or non-receipt of the tender by post / courier service.
- xiv. No unsolicited correspondence shall be entertained after the submission of the offer.
- xv. 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.
- xvi. Additional terms and conditions will be incorporated in the purchase order, if needed, to safeguard the interests of the University.
- xvii. Tender is not transferable.
- xviii. 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 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.
- vi. The Bidder should not be involved in any Bankruptcy filing for protection from it.

Date: 23.01.2017

PRINCIPAL INVESTIGATOR

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