



## **PONDICHERRYUNIVERSITY**

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

### **Tender Notice for Scientific Animal Experimentation Equipments**

Department of Biotechnology, Pondicherry University invites sealed tenders for purchase of equipments related to animal experimentation (Digital Plethysmometer, Digital Paw Pressure Analgesia Meter, Hot & Cold Plate Type Analgesia Meter, Metabolic cages for small rodents (Mice & Rat) with trolleys, Trolleys for mice and rat cages, Cages for small rodents (Mice & Rat) in the DST(DPRP) sanctioned Academia – Industry Collaborative Project. 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 **10<sup>th</sup> January 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/2016

22.12.2016

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Sealed quotations are invited for the purchase of the following animal experimentation equipments under DST (DPRP) project. The quotations can be submitted for one or more equipments. 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 **10.01.2017.**

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

- |   |         |
|---|---------|
| 1. Digital Plethysmometer                         | : 1 No. |
| 2. Digital Paw Pressure Analgesia Meter           | : 1 No. |
| 3. Analgesia Meter (Hot & Cold Plate Type)        | : 1 No. |
| 4. Metabolic cages for small rodents (Mice & Rat) | : 1 No. |
| 5. Trolleys for mice and rat cages                | : 1 No. |
| 6. Cages for small rodents (Mice & Rat)           | : 1 No. |

**1. Digital Plethysmometer:**

- Equipment capable of measuring paw for anti-inflammatory activity.
- Designed for accurate measurement of the rat / mouse paw swelling with auto-calibration.
- Resolution: 0.01ml, accuracy: 0.01ml
- Inbuilt memory for 10000 experimental data
- Display: Digital Display Monochrome with graphical LCD 128X64
- Control unit with communication port to PC
- Pedal switch for operation
- Five point auto-calibration mode
- Two separate retort stands
- Microlitre syringe
- Digital pocket conductivity meter

- Software with graphical presentation
- It should be CE & GMP Certified
- Power Supply: 230V 50Hz AC

## **2. Paw pressure Analgesia Meter:**

- Randell & Selitto test for determination of the animal threshold response to pain induced in the paw by the application of a uniformly increasing pressure.
- Capacity: 2000 gf
- Resolution: 0.1 gf
- Accuracy: +/-0.2%
- Easy to use system with pre calibration
- Automatic storage of readings
- Zero key to make readings zero during operations
- PC Connectivity with Software using USB cable for data analysis & report generation
- Inbuilt weight calibration & calibration report generation facility
- Instrument to be operated on rechargeable battery/DC
- Software to provide experiment name, instrument serial number, test ID, animal sex & 3 readings averaging facility in software report in both excel and PDF files.
- Digital full color TFT Display
- In-built Memory up to 150 readings
- Three units for measurement required gf/N/ lbf
- Should be supplied with pedal switch

## **3. Hot and Cold plate Analgesiometer:**

- Hot & Cold Plate Analgesia Meter used to perform rapid & precise screening of analgesic drug properties on small laboratory animals.
- Program should have features of experiment number, animal ID, animal sex and auto sequence number.
- Lid open sensor
- Plate temperature can be held at a set point between 2°C to 60°C ( $\pm 0.5^\circ\text{C}$ )
- Remote foot-switch controls the test start / stop allowing rapid Hands-free experiments
- High temperature stability & Uniform surface heat distribution
- A built-in timer activated by an external foot switch to precise measurement of the reaction time (0.1 Sec. Resolution)
- Calibration mode for calibrating the plate temperature
- PC Connectivity software with facility to add experiment title, comments, calibration report generation facility, transfer of data to excel and graphical presentation
- It should be CE and GMP Certified product

#### **4. Metabolic Cages for Small Rodents:**

- It should be CE & GMP Certified
- Should offer 99% separation efficiency of urine and feces assuring maximum purity of samples.
- Reliable experiment results due to better separation efficiency
- Practicality of use with less components or parts
- Minimal animal stress: Meeting CPCSEA requirements, Sample removing without stressing animal, access to all elements below the cage floor without disturbing animal
- Components must be made from autoclavable polycarbonate and S.S. 304 material
- Polycarbonate cage with lid
- Polycarbonate collection funnel
- S.S. 304 floor grill
- Polycarbonate Linear diffuser guide
- Urine collection tube P.P.
- Feces collection tube P.P.
- Polycarbonate water bottle 250ml with holder
- Waste water collection tube P.P.
- S. S. 304 Universal Food Hopper
- S.S. 304 stand for cage
- Overall Approx Dimensions: 300x300x650mm

#### **Rack for Metabolic Cages**

- Suitable to hold 8 metabolic cages
- Made of S.S. 304 material fitted with four heavy duty PU wheels which are lockable.
- Shelves must be in two in number with 4 cages per shelf, in total of 8 cages per trolley

#### **5. Trolleys for Rodents cages (mice and rat)**

##### **Sliding Type Racks for Mice Cages**

- Suitable for holding Polypropylene or Poly-carbonate.
- Cages of size 29 x 22 x 14cm.
- Made of AISI 304 quality stainless steel square pipe of Size 25 mm x 25 mm and stainless steel angle.
- Movable on 4 No. of Polyurethane swivel 4" castor wheels 2 with brakes.
- The entire Rack to be provided with stoppers on the backside of the angles to prevent the falling of cage from back.
- All the joints to be welded with Argon Arc welding with Glossy / Mat finish.
- Suitable to hold 25 mice cages.

### **Sliding Type Racks for Rat Cages**

- Suitable for holding 25 CAGES of Polypropylene or Poly-carbonate.
- Cages of size 43 x 29 x 20 cm.
- Made of AISI 304 quality stainless steel square pipe of Size 25mm x 25 mm and stainless steel angle for sliding the cage.
- Movable on 4 No. of Polyurethane swivel 4" castor wheels 2 with brakes.
- The entire Rack to be provided with stoppers on the backside of the angles to prevent the falling of cage from back.
- All the joints will be welded with Argon Arc welding with Glossy / Mat finish.

### **6. Cages for small Rodents (Mice & Rat)**

#### **Rat cage Polypropylene:**

- Overall Size: 427 X 287 X 198mm (L X B X H)
- Floor Space: 822 cm<sup>2</sup>
- CE and GMP Certified

#### **Body which is**

- Autoclavable
- Food Grade quality Polypropylene material
- Uniform thickness of 4mm±0.5mm
- Excellent stackability for ease of handling and storage

#### **S S Top grill**

- Made of S.S. 304 material with duly spot welded and finished joints
- AISI 304 quality stainless steel material
- Provision for fixing water bottle
- Provision for Feed Pallets
- Fitted with two hooks of brass material for locking the grill to the top of the body of cage.
- Fitted with tag holder
- Main frame made of 4mm S.S. 304 rod and rest of grill of 2mm S.S. 304 rod
- Gap between S.S. rods around 7mm
- Designed to ensure perfect fit and locking throughout the complete cage body
- Grill designed to fit in second grill for ease of stacking with foldable partition for food and water bottle compartment

#### **Polycarbonate Mice Cage**

- Overall Size: 290 x 220 x 140mm (L X B X H)
- Floor Space: 394cm<sup>2</sup>
- CE and GMP Certified

#### **Body which is**

- Autoclavable
- Fully transparent body
- Food Grade quality material Polycarbonate material
- Uniform thickness of 4mm±0.5mm

- Excellent stackability for ease of handling and storage

### **S S Top grill**

- Made of S.S. 304 material with duly spot welded and finished joints
- AISI 304 quality stainless steel material
- Provision for fixing water bottle
- Provision for Feed Pallets
- Fitted with two hooks of brass material for locking the grill to the top of the body of cage
- Fitted with tag holder
- Main frame made of 4mm S.S. 304 rod and rest of grill of 2mm S.S. 304 rod
- Gap between S.S. rods around 6mm
- Designed to ensure perfect fit and locking throughout the complete cage body
- Grills are designed such as to fit in second grill for ease of stacking with foldable partition for food and water bottle compartment.

## **TERMS AND CONDITIONS**

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

a) Last date and time of receipt of the Tender: **10<sup>th</sup> January, 2017 at 3.00 PM**

b) Date and Time of opening of Tender: **10.01.2017, 3.30PM**

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

d) EMD rates for the various equipments

1. Digital Plethysmometer	: Rs. 5000
2. Digital Paw Pressure Analgesia Meter	: Rs. 5000
3. Analgesia Meter (Hot & Cold Plate Type)	: Rs. 5000
4. Metabolic cages for small rodents (Mice & Rat)	: Rs. 2500
5. Trolleys for mice and rat cages, for rodents	: Rs. 1000
6. Cages for small rodents (Mice & Rat)	: Rs. 500

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](http://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: 22.12.2016

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