

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

Sealed quotations under two bid systems are invited for the purchase of the following items under DBT and UGC projects. The quotations duly signed and sealed should be submitted to **Dr. A. Hannah Rachel Vasanthi, Reader, Department of Biotechnology, Pondicherry University, Puducherry-605014.**

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 **10.10.2011.**

Name of the required items for Start-up Grant Project:

1. Adjustable Micro-pipette of different Volumes as mentioned below

- | | |
|----------------------------------|---------|
| a. Volume range: 0.1µl to 2µl | : 1 No. |
| b. Volume range: 2µl to 20µl | : 1 No. |
| c. Volume range: 20µl to 200µl | : 1 No. |
| d. Volume range: 100µl to 1000µl | : 1 No. |
| e. Volume range: 500µl to 5000µl | : 1 No. |

2. Electronic analytical weighing balance : 1 No.

3. Digital pH Meter : 1 No.

4. Vortex Mixer : 1 No.

5. Tissue Homogeniser : 1 No.

Name of the required item for UGC project:

- | | |
|--------------------------------|---------|
| 1. Horizontal Laminar Air Flow | : 1 No. |
| 2. Small Incubator | : 1 No. |

1. Adjustable Micropipette of different Volumes as mentioned below

- a. Volume range: 0.1µl to 2µl : 1 No.
- b. Volume range: 2µl to 20µl : 1 No.
- c. Volume range: 20µl to 200µl : 1 No.
- d. Volume range: 100µl to 1000µl : 1 No.
- e. Volume range: 500µl to 5000µl : 1 No.

All the micropipettes should contain stainless steel piston and magnetic assist technology for low piston forces less than 1.7 kg. In addition, the micropipette should weigh less, should have consistent sample picking up feature, volume setting lock to prevent accidental changes in volume settings, tip ejector and positive lock to hold the tip ejector securely in place and autoclavable.

2. Electronic Analytical Weighing Balance

The electronic analytical weighing balance should have internal calibration and possess the following features:

- Capacity : Not less than 210 g
- Repeatability (Std Dev) : Should not be more than 0.1 mg
- Readability : 0.0001g (4 digits)
- Linearity (mg) : Should not be more than 0.3
- Weighing platform Size : should not be more than 90mm diameter
- Taring time : should not be more than 1 sec
- Stabilization time : should not be more than 3 sec
- Gross weight : should not be more than 4.5kg
- Application modes : Weighing, Parts counting, Percent weighing
- Weighing units : mg, gm, carat, ounce, tical, tola and Newton

In addition, the weighing balance should have RS232 interface to connect to the printer, mechanical or software switch to lock menus including calibration and provision to suspend an item below the balance to calculate density or specific gravity.

3. Digital PH Meter

The pH meter should be microprocessor based and it should measure both pH and temperature simultaneously and it should have the following specifications and features

- pH Range : 0.00 to 14.00 pH
- pH Resolution : 0.01 pH
- pH Accuracy : ± 0.01 pH
- Calibration points : Should not be less than 3
- Temperature range : 0 to 100°C
- Temperature Resolution : 0.1°C
- Temperature accuracy : ± 0.3°C

Weight : should not be more than 0.6 kg
Display : LCD display for easy view

In addition, the pH meter should contain IP54 rated splash proof tactile keypad and simple push button for calibration with automatic buffer recognition.

4. Vortex Mixer

The vortex mixer should have powerful motor & optimized counter balance. The speed range of the unit should not be less than 2750 rpm. The vortex mixer should support two operating modes (Touch and Continuous) and the orbital motion of the mixer should be circular. The operating conditions of the vortex mixer should be broad from 4°C to 65°C. The unit should be upgradable with optional head attachments for accepting microplate and various sizes of tubes such as 0.5 ml, 15 ml and 50 ml. The unit should be supplied with head attachment for 1.5/2 ml tubes.

5. Tissue Homogeniser

Tissue homogenizer useful for homogenizing of tissues at high speed. Chuck to hold shaft upto 10mm dia. Fitted with Teflon grinding pestle. With . Glass homogenizing cup (5 ml, 15 ml, 30 ml) with rod Motor 1/8 Hp. AC/DC universal. with transformer speed regulator, Speed (rpm) Min. = 300 rpm, Max. = 8000 rpm..

6. Small Incubator

The small incubator should have broad working temperature range from ambient + 5°C to 60°C and the capacity of the incubator should not be more than 9.5 L. The incubator should have hydraulic thermostat controller for temperature control & stability. The incubator should able to accommodate up to three shelves, 48 Petri dishes and 28 standard 96 well plates. The interior chamber of the incubator should be corrosion resistant and it should contain a wrap around heating elements for uniform heating. The exterior dimensions of the incubator should not be more than 28.5 X 28 X 33.5 cm. The incubator should be supplied with non toxic, Teflon coated thermometer for -20 to 110 degree Celsius with 1 degree resolution and an additional shelf.

7. Horizontal Laminar Airflow

The HLAFF should contain a Flow Table Clean Bench HEPEX, Absolute Air Filter System capable of removing aerosol particulate contaminants 0.3 microns and larger. The fluorescent lamps should be hidden from direct operator view with a lighting intensity of 200 foot candles on the work surface. The panel should contain On/Off Switch for Motor/Blower, On/Off Switch for Fluorescent Lights, Speed Control for Blower (recessed to prevent tampering).

Cleanliness: Class 100 Particle Retention: 0.3 micron Velocity: 90±10 FPM Illumination: 750 - 800 lumen

Noise Level : 60-65 decibels Standard: ISO-14644-1 Power supply: 220v Single Phase

Vibration Level : Less than 2.5 um (0.0001)

Size 4x2x2

Powder coated/SS Make

General Information:

a) Last date and time of receipt of the Quotations: October 10th , 2011, 4.00 PM

b) Date and Time of Opening of the Quotations : October 10th , 2011, 4.30 PM

b) Quotation / Tender Document fee Rs. 500/-

c) EMD rates: 2.5% of the quoted price.

d) Two bid systems have to be strictly followed. (one for Technical bid and another for commercial bid to be submitted in separate covers)

e) However, the tender document fee and EMD as specified above should be remitted by each firm / bidder, collectively for all their bids advertised under this tender.

f) Quoting merely the lowest price does not confer any right to any bidder for award of supply order. The university purchase committee reserves the right to select any 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.

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

h) The quotation must be submitted along with the stipulated quotation document fee and EMD in the sealed cover, super-scribing “Rotary Evaporator along with vacuum pump and chiller, Semi-micro & Analytical Balance Department of biotechnology. bidder should also be mentioned at the from address space.

i) The quotations should be addressed and posted to the following address by speed, registered post or by courier. **TO Dr.Hannah Rachel Vasanthi, Reader, Department of Biotechnology, Pondicherry University,PUDUCHERRY – 605 014**

j) Quotations will not be accepted through fax / e-mail.

II. Common Conditions (Import or Indigenous)

1. Purchase of Quotation Document:

The Quotation / Tender document can be downloaded from the University website www.pondiuni.edu.in or procured from the Pondicherry University on payment of fee as specified above, by means of a D.D, drawn in favor of the Finance Officer, Pondicherry University, payable at Puducherry. The downloaded application should be accompanied with the quotation 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 quotation 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 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, microchips etc.
- d) Prototypes.

Customs duties at Indian port, if any, will be to the account of the University.

6. Technical Specifications

- i. **WARRANTY:** The equipments 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 5 years) from the date of putting the system into operation at the Department of Chemistry, Pondicherry University, or at least 42 months from the date of receipt of the last lot of the consignment in India.

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 to be included in the Technical 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 for a minimum period of two days from the date of installation with an expert team.

vi. Technical post sale support by email and telephone will be provided during the period.

vii. Operating Manual should be provided in English.

viii. A clear statement regarding availability of after-sales service and availability of spare-parts for next 3 to 6 years should be included.

ix. 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.

x. If the equipment is proprietary a product, a proprietary product certificate should be enclosed.

xi. The information pertaining to infrastructural, power and any other requirement for satisfactory installation and commissioning of the whole system must be provided by the bidder, at least 30 days in advance of the installation to be commenced if purchase order is issued.

xii. The equipment must operate at 230V / 50 Hz single phase and / or equivalent three phase electrical power.

xiii. 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.

xiv. 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.

xv. The validity of the each quotation should be at least for THREE MONTHS from closing date.

xvi. The offers will not be considered if received after the bid closing date and time.

xvii. The offers received through telex / telefax / e-mail will not be accepted by the University under any circumstances.

xviii. The University shall not be responsible for any delay / loss or non-receipt of quotations bypost / courier service.

xix. No unsolicited correspondence shall be entertained after the submission of the offer.

xx. 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.

xxi. Additional terms and conditions will be incorporated in the purchase order, if needed, to safeguard the interests of the University.

xxii. Quotation is not transferable.

xxiii. In case of any dispute in respect of the quotation, 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 equipments 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.

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 favor 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 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. 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.