

PONDICHERRY UNIVERSITY
DEPARTMENT OF MICROBIOLOGY, SCHOOL OF LIFE SCIENCES

Sealed quotations under **Single bid system** is invited for the purchase of “**Class II Bio Safety Cabinet unit, Autoclave, Bacteriological Incubator**”. The quotations duly signed and sealed should be submitted to Principal Investigator, Department of Microbiology, Pondicherry University, Puducherry - 605014. The quotation should be sent by post (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 **on or before 13.02.2017 3.00 p.m.**

Class II Bio Safety Cabinet unit

Code: PU-MB-UGC-01-2017

Technical Specifications:

Size approx. 1.2 X 0.6 X 0.6 metres

Recirculation 70% & Exhaust 30%

Average Air Flow Velocity

Inflow : 0.45 m/s (90 fpm) at initial set point, audible/visual alarm should activate at 0.40 m/s (80 fpm)

Down flow : 0.30 m/s (60 fpm) at initial set point with uniformity of better than +/- 20%

Noise Level <62 dBA according to EN 12469

Fluorescent Light Intensity At Zero Ambient >1280 Lux (>119 foot candles)

Cabinet Construction

Main Body: 1.2 mm (0.06") 16 gauge electrogalvanized steel with white oven-baked epoxy antimicrobial powder coated finish

Work Zone: 1.5 mm (0.06") 16 gauge stainless steel, type 304, with 4B finish

Side Walls: UV absorbing tempered glass, 5 mm (0.2"), colourless and transparent

ULPA filters with efficiency greater than 99.999 % for superior operator and product protection

Standard Compliance

Filter performance: IEST-RP-CC034.1, IEST-RP-CC007.1, IEST-RP

Electrical safety: IEC 61010-1 / EN 61010-1 / UL 3101-1 / hsirig, CSA C22.2 No. 1010.1-92

ISO Class 3 air cleanliness in work zone.

Glass sides to increase visibility.

Multi-piece work surface which can be removed for autoclaving

Negative pressure plenum should surround contaminated positive pressure plenum for quiet, uniform airflow

Microprocessor Control with temperature compensated airflow sensor for supervising all cabinet functions.

Antimicrobial coating on all painted surfaces to protect against surface contamination

Should utilize an extremely efficient backward curve fan, allowing for exceedingly low levels of cabinet power consumption.

Advanced separator-less mini-pleated ULPA filters tested to > 99.999% efficiency for 0.1 - 0.3 micron particulates.

Digital read-out with alpha-numeric display should indicate all input, status and alarm functions.

An administrator controlled PIN (Personal Identification Number) which can be set to restrict access to main menu

The cabinet work zone should not have welded joints to collect contaminants or rust.
A recessed central area and stainless steel drain pan channels for preventing liquids from entering the lower filtration and blower systems
Angled viewing window and narrow profile front grille to improve reach into the work area
Front armrest raised above the work zone to improve comfort and to ensure no airflow blockage
Frameless, shatterproof sash for easier cleaning, and for larger, unobstructed viewing area
The Biohazard Safety Cabinet Should be individually tested, documented by serial number and validated with the following test methods.
Inflow / downflow velocity
PAO Aerosol challenge for filter integrity
Light, noise and vibration
Airflow pattern visualization
Electrical safety to IEC61010-1
Electrical 220-240V, AC, 50Hz, 1ø
Warranty 3 Years

Autoclave

Code: PU-MB-MoES-01-2017

Technical Specifications for Autoclave

- 2.0 kW electric heater
- Effective internal volume: approx. 20 to 60 l

Should have following Functions & Features

- Double walled vertical equipment made up of corrosion resistant stainless steel
- Equipped with float switch & electronic circuit for low water level cut off with alarm.
- Automatic purging for efficient sterilization
- A sturdy and tension free Autoclave which can safely be operated repeatedly even in remote places.
- Hydraulically die pressed lid from Stainless Steel plate.
- All internal joints argon welded, ground and polished to give crevice free internals.
- Industrial grade energy efficient ring type heater, custom made for Autoclaves, thus reducing power bills by 16 to 40%.
- For use for sterilization under working steam pressure upto 15 PSI
- Provides stable temperature
- Durable heating element with long life, resistant to corrosion, and provides high temperature in repeated use.
- Separate Display for pressure and time
- Temperature for Sterilizing: approx. 105~135° C(0.019MPa - 0.212MPa)
- GMP, IQ and quality assurance certified
- Warranty 3 years

Safety Device: lid interlock, over heat & pressure Prevention, open temperature sensor detection & safety valve

Standard Accessories: Perforated Basket, silicon joint less rubber gaskets (two in number)

Additional features: 3 years warrantee, prompt and satisfactory post-sales service.

Optional quotes: Quoted separately manually operated, and automated microprocessor controlled

Bacteriological Incubator

Code: PU-MB-MoES-02-2017

50-120 liters capacity with 2/3 shelves

Temp range: ambient to 70°C.

PID Controller with integrated time 0 to 99 hours, one ramp and soak function

Engineered to provide at even temperature distribution and rapid heating

Digital temperature setting with an accuracy of 0.1° C.

Eye level door mounted Controller for easy access and monitoring.

Adjustable ventilation by means of top exhaust duct.

Safety devices to prevent temperature overshoots

Alarms for temperature deviation

Chrome plated stainless steel racks

Rounded edges for easy cleaning

Transparent safety glass door

CE certified

Warranty 3 years

Principal Investigator
Department of Microbiology

TERMS AND CONDITIONS

I. General Information:

- a) Last date and time of receipt of the Tender: **on or before 13.02.2017 3.00 p.m.**
- b) Quotation/ Tender document Fee: Rs.500/-
- c) EMD rates: 2.5% of the quoted price
- d) 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.
- e) The Quotation/Tender processing Fee and EMD should be submitted along with your quotations.
- f) The Tender (single bid include technical and price bids) must be submitted along with the stipulated EMD fee in the sealed cover, super-scribing "**Tender for** (**NAME OF THE EQUIPMENT**)". The name and address of the bidder should also be mentioned at the "From address" space.
- g) The Tender should be addressed and posted to the following address by speed, registered post or by courier.

**Principal Investigator, Department of Microbiology, Pondicherry University,
Pondicherry- 605 014.**

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

II. Common Conditions (Import or Indigenous)

1. 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/School, Pondicherry University. The prices quoted shall remain firm until the Equipment is supplied to the respective Department/School, Pondicherry University. **Quote in Indian Rupees is preferred**

2. Quoting the Core price & Tax, Duties, Discount etc.

The taxes / duties / discounts, if applicable, are to be explicitly and separately shown in the bid.

3. 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 3 years as on the date of this Tender.

4. Duty Exemption: As per DSIR approval.

5. 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 (3 years) from the date of putting the system into operation at the Department of Microbiology, School of Life Sciences, 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 enclosed.
- ix. The Equipment must operate at 230V / 50 Hz single phase and / or equivalent three phase electrical power.
- x. The validity of the quotation should be at least for THREE 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 safe guard 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.

6. 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 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.

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 favour 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 furnace 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.
