

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

Sealed quotations under single bid systems are invited for the purchase of **Scientific and Laboratory Equipments** under DBT project. The quotations duly signed and sealed should be submitted to **Dr. Maheswaran Mani, Assistant Professor, Department of Microbiology, Pondicherry University, Puducherry-605 014.**

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 **22.12.2015 before 3:00 PM.**

Tender will be opened on 22 December 2015 at 3:30 PM

Name of the required item:

1. **Table top refrigerated Centrifuge (Imported): 1 No** **Code: PU-MB-MMEQ-1-2015**

The refrigerated centrifuge should be imported only. Centrifuge should be minimum 1 L Table top centrifuge for high volume applications. Temp range should be from -9°C to 40 °C and maintain 4°C at max speed. Centrifuge should have capabilities of holding minimum 12 different rotors for maximum versatility and have ECO shut off that engages after 8 hours of non use to reduce energy consumption and extend compressor life. Centrifuge should be able to use comfortably both fixed angle and swing out rotor.

Fixed Angle

- Fixed angle should reach maximum Speed of at least 14000- 14500 RPM
- Max capacity – 1.5/2 ml
- No of bores – 30 nos
- Rotor should be made of anodized aluminum for high chemical resistance. Both rotors and adapters should be autoclavable

Swing out rotor

- Swing out rotor should reach Speed of at least 5000-5500 RPM and above
- Max capacity 4 X 100 ml.
- Bucket should have the capacity to hold atleast 16 nos of 5 ml Conical tubes, 36 nos of 5 ml Vacutainer tubes, 16 nos of 15 ml falcon tube and 4 nos of 50ml falcon tube.
- Rotor should be made of anodized aluminum for high chemical resistance
- Both rotors and adapters should be autoclavable

- Centrifuge should have the optional facility for Drum rotor that can hold 60 nos of 1.5/2ml tubes.
- Timer : 30 s – 99 min, with continuous mode
- Centrifuge timer should start after the set RPM reached
- Noise level should be less than 55 dB(A)
- Centrifuge should have short spin key with selectable rotational speed
- Built in drainage facility for condensed water and Standby Refrigeration for maintaining temperature when not in use
- 10 Acceleration and Braking ramps for added protection of sensitive sample material.
- Automatic rotor recognition to sense rotor type and to set maximum allowable speed and ensures safety.
- Program memory upto 35 nos.
- Vendor should have onsite NABL calibration facility for Speed, Time & Temperature

The Table top refrigerated Centrifuge (Imported) should be supplied with fixed angle rotor for 1.5/2ml and swing bucket rotor with sufficient adapter for 5, 15, and 50 ml that can be used in the same rotor.

2. Large Vertical Electrophoresis Unit (Imported): 1 No.

Code: PU-MB-MMEQ-2-2015

- The large vertical electrophoresis unit should be **Imported ONLY**.
- The unit should be a complete set for separating proteins from 18 x 16 cm size polyacrylamide gels.
- Electrophoresis unit should be able to run 2 PAGE gels at a time. It should have option to accommodate 4 gels with necessary accessories. The unit should also support 2-D separation using IPG strips and nucleic acid separation.
- Unit should have built-in heat exchanger to maintain the temperature uniformly. The top buffer tank should be made in chemical resistant material. The unit must be included with safety electrical wire to prevent the electrical damage to the unit or to the users.
- The unit should be able to cast leak-free in the gel caster without using tape or agarose
- The complete unit must be supplied with essential accessories for at least 2 gels such as 1 upper buffer chamber with 2 rubber gaskets, 2 gel casting stands with gaskets, 3 sets of glass plates, 1 dummy plate, 4 clamps with screws and 8 cams, two 1.5mm combs (one 10 well and one 20 well) and 2 sets of 1.5mm spacers, 1.5mm spacer mate, wonder wedge plate separation tool, etc. The unit should be supplied with additional 4 clamps with screws, 8 cams, and 2 slotted silicone rubber gaskets for upper buffer chamber. The complete unit should be less than 10kg and easy handling.

3. Large wet Gel Transfer unit for western Blotting (Imported) : 1 No
Code: PU-MB-MMEQ-3-2015

- **Unit should be imported only**
- Unit should quickly and evenly transfer proteins and nucleic acids from Polyacrylamide or Agarose gels on to nylon, nitrocellulose or PVDF membranes.
- Unit should accept up to four 15 x 21 cm gels or sixteen 7 x 10 cm small gels.
- Unit should have Cooling Chambers, safety lid with voltage leads
- System should have dimensions not more than 28 (w) X 16.5 (h) X32 (d) cm.
- Unit should have power setting of 100 V, 2A, 200 W.
- Unit should have color coded easy to assemble cassettes. Unit should have Tank design which allows the cassettes to apply equal pressure across the stack.
- Unit should provide Built in ceramic heat exchanger temperature control with external cooling water bath.
- Unit should be certified and approved to meet international standards.
- The unit should able to place in magnetic stirrer to have proper heat exchange during gel transfer.
- **Minimum 4 cassettes, foam sponges 6mm (8pcs) and 8mm (8pcs), electrode panel, wires, glass tray and magnetic beat should be provided along with Unit.**
- **The unit must be supplied with 50 sheets of blotting paper (21 x 26 cm), and 2 pieces of masks (23 x 27.5 cm).**

4. Electrophoresis power supply Unit (Imported) : 1 No
Code: PU-MB-MMEQ-4-2015

- **Unit should be imported only**
- **Unit should be able to use for large vertical electrophoresis unit and large wet gel transfer unit.**
- The unit should be capable of delivering up to 300 volts, 500 mA and 90 watts.
- The unit should have minimum 4 sets of 4mm output jacks.
- The unit should be able to operate in either constant voltage or current modes.
- The unit should have automatic crossover feature to switch between constant current and voltage mode.
- The unit should have small footprint and large handle for easy transport.
- The unit should have minimum four sets of safety-recessed high voltage output terminals.
- The unit should be certified to meet CE, UL and CSA safety standards & should be imported model.
- The unit should have large easy-to-read LCD display.

5. Deep Freezer (-20°C) : 1 No

Code: PU-MB-MMEQ-5-2015

- Deep Freezer -20°C (Upright), 340-400 L capacity
- Used for Preservation and storage of products that requires to be preserved at low temperatures.
- Should have Digital indicator and temperature controller.
- Temperature range from: -18 °c to -24 °c.
- Should have more than 8 individual freezer compartments.
- Epoxy covered metallic external case.
- Strong, molded, chemically resistant ABS interior.
- Manual defrost with water evaporation system.
- Push button alarm reset/stop.
- Push button with quick freeze indicator.
- Should have wheels and lock for safe storage of samples.

6. Liquid Nitrogen Container : 1 No

Code: PU-MB-MMEQ-6-2015

- Capacity between 40 – 50 liters
- Evaporation rate less than 0.37
- Static holding time must be above 120 days
- Working time should be above 75 days
- Container should have capacity to hold more than 10 canisters which is of 72mm OD and 280 mm height.
- Container should be provided with Canister. Canister should be 72mm OD and 280 mm height to hold 290mm cryovial racks and cane.
- Container should have provision for lock for safe storage of samples.

TERMS AND CONDITIONS

I. General Information:

a) Last date and time of receipt of the Tender: 22 December, 2015 at 3.00 PM.

Tender will be opened on 22 December 2015 at 3:30 PM

b) Quotation/ Tender document Fee: Rs.500/-

c) EMD rates: 2.5% of the quoted price

S. No	Name of Equipment	Code No.	Qty	Tender Fee	E.M.D
1	Tabletop refrigerated Centrifuge (Imported)	PU-MB-MMEQ-1-2015	1	Rs.500/-	2.5% of the quoted price
2	Large Vertical Electrophoresis Unit (Imported)	PU-MB-MMEQ-2-2015	1	Rs.500/-	2.5% of the quoted price
3	Large wet Gel Transfer unit for western Blotting (Imported)	PU-MB-MMEQ-3-2015	1	Rs.500/-	2.5% of the quoted price
4	Electrophoresis power supply Unit (Imported)	PU-MB-MMEQ-4-2015	1	Rs.500/-	2.5% of the quoted price
5	Deep Freezer (-20°C)	PU-MB-MMEQ-5-2015	1	Rs.500/-	2.5% of the quoted price
6	Liquid Nitrogen Container	PU-MB-MMEQ-6-2015	1	Rs.500/-	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 Document Fee and EMD should be submitted along with your quotations.

f) The Tender must be submitted along with the stipulated EMD fee in the sealed cover, superscribing "Name of the Equipment" and "Equipment code". If the equipment is imported, it should be mentioned in the sealed cover. 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.

Dr. Maheswaran Mani, Assistant Professor, Department of Microbiology, Pondicherry University Puducherry – 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, Pondicherry University. The prices quoted shall remain firm until the Equipment is supplied to the respective Department, Pondicherry University.

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 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.

4. 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.

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 (preferably 3 years) from the date of putting the system into operation at the Department of Microbiology, 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 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 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 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.

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. It is preferable that the price be quoted in US Dollars or in major foreign currencies.