

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

Sealed quotations under two bid systems are invited for the purchase of **Scientific and Laboratory Equipment** under DST-SERB 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 **28.06.2017 before 3:00 PM.**

Name of the required item:

- 1. Complete 2D electrophoresis system (a. Isoelectric focussing, b. Large vertical electrophoresis unit & c. Power Supply) with accessories**

Code: PU-MB-MM2D-1-2017

a) Isoelectric focussing (IEF) Unit with accessories – 1 NO

1. The system quoted should be a fully integrated isoelectric focusing (IEF) system optimized to deliver high throughput, speed, reproducibility, and high protein-loading capacity.
2. The system should be optimized for easy handling of 2-D DIGE (Difference Gel Electrophoresis) experiments. System should provide light protection to prevent photo-bleaching of fluorescence labelled proteins.
3. The system should have integrated peltier based temperature control from 15 to 31°C. The temperature control should be independent of ambient temperature.
4. The system should have integrated power supply providing run voltage of minimum 50 and maximum 10,000 Volts with 10 volts increment. The system should have suitable electrode area to prevent oxidation.
5. The system should have the capacity to simultaneously run a minimum of 12 strips of any strip length from 7-24 cm in one manifold.
6. The system should also be able to run up to 12 individual fixed length strip-holders from 7-24 cm.
7. The system should have following programmable features: Rehydration time, platform temperature, maximum current per strip, voltage limit in each step, voltage step or gradient, and step duration.
8. The system should have the programming capacity and able to store pre-programmed protocols.

9. The system should be programmable and controlled through PC. The software should present the protocols as graphs and record the run parameters over time. The run data should be presented as graphs and log files which can be exported to spreadsheet.
10. System should show the voltage-ramp graph in real-time during the run, where-in voltage and current changes during the run can be monitored with respect to time.
11. The system should have safety features of automatic voltage cut-off when safety lid is opened, Programmable for maximum current limit etc.
12. System should be provided with all the essential accessories like rehydration/equilibration tray, two electrode assembly, sample cup, sample cup insertion tools, cleaning brush, paper electrode wick, forceps, roller, cleaning solution etc.
13. System should be provided with desktop computer and IEF running software

a) Large vertical electrophoresis unit – 1 NO

1. Electrophoresis unit should be able to run minimum 6 large PAGE gels at a time.
2. It should accommodate 18-24 cm IPG strips for running 2nd dimension of 2D electrophoresis.
3. Unit should be able to use 1.0 mm or 1.5 mm pre-assembled hinged gel cassettes.
4. Unit should have built-in ceramic heat exchanger and buffer circulation pump for efficient cooling.
5. Unit should work at Constant voltage or constant current modes.
6. The unit should be able to cast leak-free gel in the gel caster without using tape or agarose
7. Unit should be supplied with all essential accessories such as upper buffer tank, upper lid complete gel caster, cassette rack, cassette removal tool, gel seal, blank cassette, 1 mm gel cassette glass set, 1.5 mm gel cassette glass set, low fluorescence gel cassette glass set etc.

(c) Power Supply – 1 NO

1. **Unit should be able to use for large vertical electrophoresis unit.**
2. Unit should be capable of delivering up to/above 600 volts, 400 mA and 100 watts.
3. The unit should have minimum two sets of safety-recessed high voltage output terminals.
4. Unit should be supplied with 4mm to 2mm and 2mm to 4mm adapters.
5. The unit should be able to operate in either constant voltage or current modes.
6. The unit should have automatic crossover feature to switch between constant current and voltage mode.
7. The unit should be certified to meet CE, UL and CSA safety standards
8. The unit should have large easy-to-read LCD display.

TERMS AND CONDITIONS

I. General Information:

- a) **Last date and time of receipt of the Tender: 28 June, 2017 at 3.00 PM.**
- b) **Tender will be opened on 28 June, 2017 at 3:30 PM**
- c) Quotation/ Tender document Fee: Rs.500/-
- d) EMD rates: 2.5% of the quoted price
- e) **Two bid systems have to be strictly followed.** One for Technical bid and another for commercial bid and each bid should be submitted in separate sealed covers.
- f) 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.
- g) Quoting merely the lowest price does not confer any rights 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.
- h) The Quotation/Tender Document Fee and EMD should be submitted along with your quotations.
- i) 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.
- j) 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**

- k) 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 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 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.

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.