

Dated : 5/10/2019

Project Reference: - Short Rate Enquiry No. 4/SRE/MIS/Biophy/19-20

Subject:- Short Rate Enquiry for purchasing Mini-Incubator shaker

Dear M/s

A short rate enquiry is hereby floated/invited for purchasing Mini-Incubator shaker required by Department of Biophysics

Technical Specification for Mini-Incubator shaker

Date/Time of Closure **22-10-2019 5.00pm**

Date/Time of Opening **23-10-2019 11.00am**

Specifications of Mini-Incubator shaker

1. A small compact tabletop min-refrigerated incubator shaker which can have speed in the range from 30 to 350 RPM with an accuracy of +/-2% rpm deviation from set value.
2. The shaker must have movement incorporated by Triple eccentric Pin for Counterbalance mechanism mounted on three permanently lubricated bearings fitted with housing to ensure non-deviated amplitude of minimum 25 mm for uniform growth of culture. The drive made in the shaker should be of Permanent Magnet DC Motor.
3. The shaker should be able to work in the temperature Range from at least 10° to 70° Celsius with accuracy of: $\pm 0.1^{\circ}\text{C}$ in 37°C at an ambient temperature less than equal to 28.0°C
4. The temperature controller should be of microprocessor based PID controller with digital LED Indication. The incubator should have Digital LED display
5. The system should be made of finned tubular air heater for good heat transfer.
6. The system should have thermostat cut-off for temperature over-shoot and the temperature controller should have audio alarm for temperature over / under shoot.
7. Universal tray of size small size of 40 x 40 or 42 x 42 cm which can accommodate a minimum of 36 Nos. of 100 ml size flasks (or) 25 Nos. of 250 ml flasks (or) 16 Nos. of 500 ml.
8. Clamp must be made of single piece stainless steel material (without welding) and leaves tied with three springs.
9. The system should have provision for stationary tray for petri dish plate incubation and it should be of high-grade insulation on all sides for uniform temperature maintenance.
10. The incubator should be made of MS Powder Coated Steel with the external dimension (WxHxD) should not exceed 600 x 820 x 720 mm and should weigh not more than 125 Kg.
11. Equipment should be future stackable using a stack rack and should have options for future up-gradation of Illumination, UV light for decontamination.
12. Electrical Requirement: 230 V, 16 A, Single Phase, 50 Hz. Only Standard models should be quoted and custom-made products will not be preferred. For evaluation purposes, if necessary, the equipment must be demonstrated in our Laboratory.
13. The system should be provided with one universal platform, clamps of (i) 250 ml X 20nos, (iii) 1000ml X 4nos, (iii) 2 Nos of Test Tube Rack 16 X 12, (iv) 2 Nos of Test Tube Rack 30 X 12 places.
14. The system should be provided with minimum 2 years warranty.
15. The system should be CE certified.

Terms & Conditions

1. The quotations should be addressed to Professor & Head, Department of Biophysics, AIIMS, Ansari Nagar, New Delhi – 110029 and sent by post/courier by **22-10-2019 5.00pm**. Quotations should be sealed in an envelope and the reference no and item must clearly be written on top of the envelop. (i.e. quotation for the Graphic Workstation).
2. The firm must be registered and having TIN NO./Registration No. (Please mentioned TIN/registration NO. on the bid) or else the quotation will be treated as cancelled.
3. Quotation should only be submitted by authorized dealers/distributors. Authorization certificate must be included with the submission of Quotation. Failure of submission of authorization certificate will render the firm ineligible. Hence the quote of such firm will not be considered.
4. Vendors should provide the product certification by one of this agency: CE/IVD certified or European Union EMC & Safety Compliance Declaration or FCC - North American EMI Verification or UL - North American Product Safety Certification or Demko or VDE - European Union Product Safety Certification.
4. The make and model of the article offered should invariably be quoted. Quotation should be typed/ written in ink overwriting or erased entries should not be there in the quotation. **The rates should be valid for at least three months.**
5. Vat /Sale tax or any other kind of (tax(s) must be mentioned separately. In case no sales tax in chargeable prices must be quoted as net price.
6. **Warranty /Guarantee:** - 2 year comprehensive warranty on site .
7. **Demonstrations:** - If it is required to demonstrate the quoted Model, the firm should get ready for demonstrations the product within one week. There will be and no request entertained for extending time for demonstrations. Failure to demonstrate their offer if requested, will be summarily rejected.
8. **Payment** will be made as per institute rules through electronically viz RTGS/NEFT after delivery, satisfactory installation of the item. The following information should be also mentioned in the invoice:
 1. Name of the beneficiary:
 2. Account No. the beneficiary:
 3. IFCS code of the bank/branch:
9. The Professor & Head of the Department reserves the right to cancel/reject full or any part of the rate enquiry which generally do not fulfill the conditions stipulated in the rate enquiry.
10. The submitted **Quotations will be opened on 23-10-2019 11.00am in 1041A Seminar room 1st floor teaching block , AIIMS , Ansari Nagar, New Delhi – 110029**

Dr. Punit Kaur