



national centre for biological sciences
tata institute of fundamental research

National Center for Biological Sciences
Tata Institute of Fundamental Research
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ENQUIRY

Ref: NCB/CA19-57/191118

19-09-2019

Dear Sirs,
Please let us have your Quotation for the following :

Si No	Description	Qty
1	<p>CO2 Incubator</p> <p><u>Specification for CO2 Incubator</u></p> <ol style="list-style-type: none"> 1. Stackable CO2 incubator with at least 170 L of internal capacity. 2. Temperature management; 4°C above ambient to 50°C with control increment of 0.1°C, Temperature stability at 37 °C + 0.1°C, Temperature uniformity of + 0.3°C at 37 °C. 3. Temperature uniformity of the chamber should be according to German DIN 12880 norm. 4. CO₂ gas range should be at least 0.1 – 20% with control increment of 0.1%, Accuracy + 0.3% at the specified RH at 37°C and ambient 22°C, 5. Stability of + 0.1% at 37°C and ambient 22 °C 6. Gas uniformity of + 0.1% at 37 °C and ambient 22°C across the chamber. 7. CO₂ recovery: Should attain 5% CO₂ without overshoot within 6 min after door opening and closing event. 8. Should have High-Temperature Disinfection [HTD] of 180 °C for 2 hours. Entire HTD cycle including the time for warming up and cooling down to incubation temperature (37 °C) should not take more than 14 hours. 9. Should have Touch Screen display with Advanced User Interface (AUI) and on-board data logging and option to transfer data via USB interface. 10. Should have 1-20% O₂ option for cultures requiring hypoxic environments. 11. Should be drift free Zirconium Oxide (ZrO₂) type O₂ sensor, with long life of minimum 5 years and with High temperature resistance of 180°C. 12. The input gas pressure required should be 0.1 MPa (1 bar, 14.4 psi); operational gas pressure requirement range should be 0.05 -0.15 MPa (0.5 – 1.5 bar, 7.2 -21.8 psi). The gas tubing should have inner diameter of 6.5 mm and outer diameter of 10 mm 13. The Inner chamber should be formed from single stainless-steel sheet 14. Should have six-sided direct heating elements to ensure even distribution of heat throughout the chamber with four independent temperature sensors. 15. Should come with a removable humidity tray. 16. Should be “fan less” design to reduce chance of contamination. 17. Should have state of the art Dual Channel Non- Drift Infra-Red (NDIR) type CO₂ sensor with auto-calibration feature. 18. Should have two Access ports; each of 25 mm dia. at the back of the chamber to allow for external probes, etc. 19. The incubator should come with standard 4 perforated stainless-steel shelves shelves with 4 position shelving rack and option to upgrade to 8 shelves; thickness of each shelf should be 1.5 mm with flatness tolerance of individual shelves of 1 mm or lesser. 20. Should have option of Copper kit consisting of 4 shelves and humidity tray made of biocidal copper. 21. The footprint should not exceed 5150 cm², height should not exceed 90 cms for saving bench space. Stacking kits should be available optionally. 22. The weight should not exceed 105 kg. 	1 No

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| 23. Should conform to CE certification standards. | |
| 24. System should be supplied with FIVE year warranty. | |

1. The quotation shall be submitted in a sealed envelope duly superscribed with the enquiry number, and the due date for Ref No: 191118. The bids should be addressed and to be couriered (sent by post/courier) to "THE HEAD-PURCHASE"

The bids are liable to be rejected if the sealed envelope is not addressed to "THE HEAD-PURCHASE" with Tender Ref No. and Item Description and due date. The bids delivered in person shall be dropped in Purchase Section. If the bids are sent through courier or mail, it should reach by submission date and time and NCBS will not be responsible for the delay.

2. DUE DATE FOR SUBMISSION OF QUOTATION AGAINST THIS ENQUIRY IS 03-10-2019 BY 5.30 PM.

3. QUOTATIONS RECEIVED AFTER THE DUE DATE SHALL BE REJECTED.

4. The validity of your quotation should be for 60 days from the due date.

5. All duties, taxes, surcharge and cess as currently applicable must be stated in your quotation, separately. Otherwise your quote is liable to be rejected.

6. Your quotation should indicate delivery period & warranty period.

7. Delivery to be made to our stores. Please indicate charges, if any extra. Transit Insurance should be done upto NCBS Stores.

8. If you are unable to supply the quality, specifications or brand as mentioned in our enquiry, please state so and then offer alternative to quality/specifications.

9. Payment: within one month after delivery & acceptance/satisfactory installation.

10. Please ensure that the enquiry number and the due date is superscribed on the envelope failing which your quotation is liable to be rejected.

11. Since we are a public funded research institution, we are exempted from paying Customs duty (Except ad valorem duty of 5% + 2% Cess and 1% Cus Sec & High Edu. CESS vide Notification No. 51/96 with latest amendments) and excise duty vide Notification No. 10/97 CENTRAL EXCISE dated 01-03-1997 for all scientific equipments, technical instruments, equipments (including computers), their accessories, spares, consumables and software. Hence, please offer your prices

12. If the item is covered under DGS&D rate contract, please quote the rate as per the DGS&D rate contract with xerox copy of the DGS&D order.

13. Any dispute or differences that may arise between the parties shall be referred to the sole arbitration of the Centre Director or his nominees. The decision of the arbitrator shall be final and binding on the parties. The venue for arbitration shall be Bangalore. The provisions of the Arbitration and Conciliation Act, 1996 as amended from time to time shall apply. The courts in Bangalore shall have exclusive jurisdiction to deal with any or all disputes between the parties

14. **"Liquidated damages:** If the __equipment/ items_____ as per specifications in our P.O. is not supplied (shipped) within the specified delivery schedule, then liquidated damages (not in terms of penalty) will be imposed automatically and shall be deducted from the bill at the rate of 0.5% per week subject to a maximum of 10% of the order value.

15. TIFR is a public funded research institute and is entitled to concessional rate of GST @ 5% for certain items supplied for research purpose vide notification no. 47/2017 and 45/2017 dated 14th Nov, 2017. The offer should be submitted after fully considering the above notification.

16. Income Tax at the applicable rates as per the Indian Income Tax Act 1961 will be deducted at source for the services availed / ordered. In case of service provider, the rate of tax deduction shall be at 2% as per Section 194C, and in case of fee for professional / technical services

Yours faithfully
For and on behalf of
National Centre for Biological Sciences


Head Purchase