

Ref: INS/L-5525/2019-2020(Y)

Date : 05/10/2019

## ENQUIRY

Dear Sirs,

Please let us have your lowest Quotation for the following :

Sl.No	Cat.No	Item Description	Make/Model	Item Qty	UOM
1		single chamber CO2 incubator (Specifications Attached)		4.00	Nos.

**Remarks : 2 PART TENDER:** The Technical and Financial / Price Bids shall be submitted simultaneously in two (2) cover (sealed) system. The proposals shall be evaluated in two stages: (1) Technical and (2) Price / Financial. Technical evaluation will be carried out and those Vendors who score minimum 75% will qualify for Price Bid opening. Thereafter, Financial Proposal shall be evaluated. The Commercially LOWEST BIDDER shall be the first preferred Vendor for award of Order.

**Note :**

1. The bids shall be enclosed in an envelope , and due date sealed duly marked "Tender for \_\_\_\_\_ " Ref No : \_\_\_\_\_. The bids should be addressed and to be mailed 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 inStem will not be responsible for the delay.

**2. DUE DATE FOR SUBMISSION OF QUOTATION AGAINST THIS ENQUIRY IS 22/10/2019 till 2.00 P.M.**

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

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

5.All duties,taxes,surcharge and cess as currently applicable must be sated in your quotation,seperately.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 inStem 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 advolerum duty of 5% + 2% cess and CVD @4% 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 taking this option into consideration.



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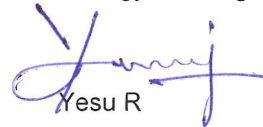
Date : 05/10/2019

**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 Concillation 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.

Yours faithfully

For and on behalf of Insitute For Stem Cell  
Biology and Regenerative Medicine



Yesu R



GKVK, Bellary Road, Bangalore-560065,INDIA

Phone No. : 91-80-23666343/344/345/346

Fax : 91-80-23636662

Email Id: purchase@ncbs.res.in

Website : www.ncbs.res.in

**2 PART TENDER FOR Single chamber CO2 Incubator -Qty 04 Nos.**

**P.O. No: INS/L-5525/2019-2020(Y)**

**Tender Specification for Single chamber CO2 Incubator - Qty 04 Nos**

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, Stability of + 0.1% at 37°C and ambient 22 °C Gas uniformity of + 0.1% at 37 °C and ambient 22°C across the chamber.
5. CO2 recovery: Should attain 5% CO2 without overshoot within 6 min after door opening and closing event.
6. 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.
7. Should have Touch Screen display with Advanced User Interface (AUI) and on-board data logging and option to transfer data via USB interface.
8. Should have 1-20% O2 option for cultures requiring hypoxic environments.
9. 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.
10. 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
11. The system should have BMS relays built in and option to incorporate onto Data monitoring and documentations modules.
12. Should have flexibility to have right or left door opening option. Hinges, associated cable and other accessories should be robust and stringently tested.
13. Should have separate single inner glass door for monitoring of samples without disturbing conditions of the chamber;
14. The Inner chamber should be formed from single stainless-steel sheet with deep-drawn, seamless design with no corners, welds or joints for higher capacity and ease of cleaning.
15. Should have six-sided direct heating elements to ensure even distribution of heat throughout the chamber with four independent temperature sensors.
16. Should come with a removable humidity tray for easy cleaning and refilling of distilled water.
17. Should be fan less design to reduce noise level, minimum air turbulence, bigger usable capacity and reduction of recurring cost associated with periodic HEPA filter replacements.
18. Should have state of the art Dual Channel Non- Drift Infra-Red (NDIR) type CO2 sensor with auto-calibration feature to ensure accuracy of sensor automatically and capacity to withstand at least 180 °C during high temperature disinfection.
19. Should have two Access ports; each of 25 mm dia. at the back of the chamber to allow for external probes, etc., for monitoring of chamber conditions by using third party instruments.
20. 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.
21. Should have option of Copper kit consisting of 4 shelves and humidity tray made of biocidal copper for decreasing contamination risk.
22. The footprint should not exceed 5150 cm<sup>2</sup> , height should not exceed 90 cms for saving bench space. Stacking kits should be available optionally.
23. The weight should not exceed 105 kg.
24. Should conform to CE certification standards. System should be supplied with FIVE year warranty.

**Terms and Conditions:**

1. The Technical and Financial / Price Bids shall be submitted simultaneously in two (2) cover (sealed) system. The proposals shall be evaluated in two stages: (1) Technical and (2) Price / Financial. Technical evaluation will be carried out and those Vendors who score minimum 75% will qualify for Price Bid opening. Thereafter, Financial Proposal shall be evaluated. The Commercially LOWEST BIDDER shall be the first preferred Vendor for award of Order.
2. **first sealed cover – Cover I**, and super scribed as **“Techno-commercial Bid”** and should contain Complete Technical details of the Instrument offered (Specifications, Technical Parameters, Advantages, etc.,)
3. The **second sealed cover – Cover II** super scribed **'Price Bid'** should contain **only rates** (should be duly signed with seal and filled with date wherever necessary)
4. THESE TWO COVERS SHALL BE AGAIN PUT INTO A SINGLE WAX SEALED COVER super scribed **“Single chamber CO2 Incubator - Qty 04 Nos.”** and should reach INSTEM on or before **22-10-2019 before 2.00 P.M.”**. This should be addressed to the Purchase Officer, inStem, NCBS, GKVK Post, Bellary Road, Bangalore – 65.
5. The tender to be quoted in foreign currencies & any other currencies approved/traded by RBI-USD/Euro/JPY/GBP/SGD/CAD/INR.
6. If the 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.

**INFORMATION TO TENDERERS**

**The Tender shall be evaluated under 2 (Two) Bid System**

- I Technical Bid**
- II Financial Bid**

**TECHNICAL SPECIFICATIONS & EVALUATION CRITERIA WITH MARKS FOR 2 PART TENDER FOR “Single chamber CO2 Incubator - Qty 04 Nos”.**

Single chamber CO2 Incubator Specs.	Score
1. Stackable CO2 incubator with at least 170 L of internal capacity.	<b>10</b>
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.	
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5. CO2 recovery: Should attain 5% CO2 without overshoot within 6 min after door opening and closing event.	
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7. Should have Touch Screen display with Advanced User Interface (AUI) and on-board data logging and option to transfer data via USB interface.	
8. Should have 1-20% O2 option for cultures requiring hypoxic environments.	
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22. The footprint should not exceed 5150 cm2 , height should not exceed 90 cms for saving bench space. Stacking kits should be available optionally.	
23. The weight should not exceed 105 kg.	
24. Should conform to CE certification standards. System should be supplied with <b>FIVE year warranty.</b>	10
<b>Total</b>	<b>100</b>
<b>Evaluation will be carried out and those Vendors who score minimum 75% will qualify for Price Bid opening. Thereafter, Financial proposal shall be evaluated. The Commercially LOWEST BIDDER shall be the first preferred Vendor for award of Order.</b>	



