



भारतीय
प्रौद्योगिकी
संस्थान
काशी हिन्दू विश्वविद्यालय



INDIAN
INSTITUTE OF
TECHNOLOGY
BANARAS HINDU UNIVERSITY

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Ref: Paik/BME/IIT(BHU)/13012020/01

Date: 22th January, 2020

SCHOOL OF BIOMEDICAL ENGINEERING

QUOTATION ENQUIRY for “CO₂ Incubator for Cell Culture”

Last Date of Bid Submission: 06/02/2020, 05:00 PM

Bid Opening Date: 07-02-2020, 11:00 AM

To

The Representative/ Suppliers,

Please submit your lowest rate for supplying the under mentioned items. Quotation in sealed envelope must reach us before the date marked above and should contain the following information:

1. Full specification and make of the item offered and its rate F.O.R. IIT (BHU), Varanasi.
2. Sales tax at concessional rate as applicable to educational institution.
3. Your VAT / CST registration number, PAN & TIN numbers.
4. Conditions of supply and terms of payment.
5. If you are a manufacture of the item or if you have proprietary right over it, please mention it in the quotation and provide a certificate.
6. Please mention your agency commission in Indian Rs., if applicable (in case of imported items).
7. Please give undertaking as per annexure-I

Quotation must be sent in a **sealed envelope** with word “**QUOTATION**”, our reference number, instrument name and due date as given above, clearly marked over it. **SL. NO.**

Send the technical bid and financial bid separately.

SR. No.	Name of Items	Description / Technical Specification	Quantity
1	CO₂ Incubator for Cell Culture	<ul style="list-style-type: none"> •Capacity: ~ 170 liter •Temperature management system: 4°C to 50°C with control increment of 0.1°C •Temperature accuracy: ± 0.4 °C - 0.1°C at 37°C •CO₂ gas supply range: 0.1 - 20% • Control increment of CO₂ gas: :0.1% accuracy, Relative Humidity (RH) uniformity: $\pm 0.3\%$ Stability of $\pm 0.1\%$ at 37 °C and ambient 22° Gas uniformity: $\pm 0.1\%$ at 37 °C Decontamination Protocol: High-Temperature Disinfection [HTD]: of at least 120-140 °C for 2 hours. •Should have a large backlit display for control of temperature and alarms •Should have separate single inner glass door for monitoring of samples without disturbing conditions of the chamber. 	1

		<ul style="list-style-type: none"> •Should have pressure regulator to ensure less gas consumption •The Inner chamber should be formed from single stainless-steel sheet. •Should have six-sided direct heating elements to ensure even distribution of heat. •Should have removable humidity tray for easy cleaning and refilling of distilled water. •System Should be “fan less”. •Should have Dual Channel Infra-Red (IR); CO₂ sensor with auto-calibration feature •incubator should come with standard 3 perforated stainless-steel shelves; •System should meet the CE certification standards. 	
		<p>Other terms and conditions</p> <p>Comprehensive warranty: 3 years from the date of installation</p> <p>Accessories: All other accessories required for doing all the experiments should be quoted separately, including glassware, clamp etc...</p>	

N.B. :

- Due Date For Submission of quotation latest by 30/01/2020
- Other terms & conditions pertaining to item mentioned above, shall be mentioned below:

The Sealed quotations will be opened on at in the office of
 (This is mandatory in case of e-publishing).

Dr. Pradip Paik, Ph.D.
Associate Professor

Note: Accessories required to install the instruments must be provided by the vendors

IMPORTANT TERMS

- 1- Installation: The same quoted system or equivalent category systems should have at least 5 numbers of installations in India by the vendor. List of such 5 users and copy of their installation report should be enclosed.
- 2- Payment will be made 90% by Bill Basis i.e. 90% payment against shipment and rest 10% on successful installation and submission of PBG after satisfactory installation and submission of PBG@10% of order value valid for period of 60 days beyond all warranty obligations.
- 3- If the equipment is proprietary you have to provide proprietary & sole supplier certificate.
- 4- Other terms & conditions pertaining to item mentioned above, shall be mentioned below/ attached.

****Additional optional accessories should be indicated separately along with their price. The above specs are desirable and the actual numbers achievable for your system should be indicated.**

Safety devices: Safety devices against power/vacuum/water/air/gas failures.

OTHER TERMS and Conditions:

- (1)**Quotation for the AMC:** vendor should provide the quota for 3 years AMC after completion of 3 years comprehensive warranty
- (2)**Spares:** Spares should be available for 10 years.
- (3)**Indian agency commission:** Should be clearly stated in the financial bid in Indian currency
- (4)**In case of foreign suppliers/import:** FOR to the School of Biomedical Engineering, IIT (BHU), Varanasi.
- (5)**Consumable and spares:** List of the detailed consumables and spares to be supplied with the system
- (6)**User's List:** Provide users for last 5 years with contact person name, address, phone, fax and email IDs.
- (7)**Manuals/Documents (at the time of installation):** 1 set of hard copy and 1 set of soft copy in English (preferred as following).
 - i. Operating manual
 - ii. Maintenance manual
 - iii. Servicing manual
 - iv. Programming manual
 - v. Spare parts list with source of supply and prices
 - vi. Description of control interface
 - vii. Circuit diagrams of PLC, drive controls etc
 - viii. Manuals of bought out items incorporated in the system
 - ix. Details of any custom made ICs & components & their sources
 - x. Flow charts of all resident software
 - xi. Test Chart
 - xii. Pre-installation requirements of foundation plan details, electromagnetic interference and vibration.
- (8) Details of the standard samples to be provided by the company for testing the instruments at the time

of installation at site for the demonstration of the performance of equipment.

(7) Please provide the segmented quotation for each optional measurement capability.

(8) The document should also indicate what kind of service/maintenance is required for the system. Whether this service has to be carried out by a company engineer or it can be carried by trained service personnel within India. The frequency of visit and the charges should be mentioned.

(9) Complete computer control of operation and measurement on Windows based platform. Give the details of software for measurement and analysis.

(10) Pre-installation site preparation/inspection requirements to be indicated and specified along with the quotation

(11) **Installation and training should be provided free of cost.**

(12) **Warranty period to be clearly mentioned and should begin from the date of installation.**

(13) Guaranteed specifications to be demonstrated at the time of installation. Any necessary standard samples for that purpose should be brought by the Service Engineers.

(14) Service manuals with complete circuit diagram and PCB layout for all equipment to be provided with the instrument.

(15) The vendor to provide compliance statement with respect to each technical specification in the tender document duly supported by the manufacturer's literature. Any other claim will not be accepted and may lead to rejection of the bid.

(16) Printed literature in support of compliance to the prescribed specifications is to be submitted.

(17) Compliance report needs to be submitted as a part of the technical bid.

(18) In case during shipment period newer versions of software/hardware is available with vendor in lieu of the existing one for which Letter of Credit was opened, then improved version should be made available without any extra cost.

(19) Institute reserves the right to visit installation in India of same capabilities the details with to regard to such installation should be given as a part of technical bid.

(20) Technical evaluation by the Institute may include demonstration to verify functionalities and capabilities of the system quoted.

Services: Vendor must submit Factory Acceptance Test procedure supported with relevant printed literature and certificates.

sd/-
Dr. Pradip Paik
Associate Professor
School of Biomedical Engineering
Indian Institute of Technology (BHU)
Varanasi 221 005, UP, Ind

DECLARATION

(To be uploaded on the letter head of the firm submitting the bid)

1. I, ----- Son /Daughter of Shri-----
----- Proprietor/ Partner/ CEO /MD/ Director/ Authorized Signatory of
M/s. ----- am competent to sign this declaration and execute this tender
document.
2. I have carefully read and understood all the terms and conditions of the tender and hereby convey my acceptance of the same.
3. The information/ documents furnished along with the above application are true and authentic to the best of my knowledge and belief.
4. I/ we/ am are well aware of the fact that furnishing of any false information/ fabricated document would lead to rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.
5. Each page of the tender document and papers submitted by my Company is authenticated, and I take full responsibility for the entire documents uploaded.
6. This is certified that our organization has been authorized (Copy uploaded) by the OEM to participate in Tender. We further certify that our organization meets all the conditions of essential eligibility criteria and technical specifications laid down in this tender document. Moreover, OEM has agreed to support on regular basis with technology / product updates and extend support for the warranty.
7. The prices quoted in the price bids are subsidized due to academic discount given to IIT (BHU), Varanasi.
8. We, further specifically certify that our organization has not been Black Listed/De Listed or put to any Holiday by any Institutional Agency/Govt. Department/Public Sector Undertaking in the last three years.

Signature of the Authorized Person

Date: -----

Full Name -----

Place: -----

Company Address with Seal

TECHNICAL COMPLIANCE STATEMENT
Name of the instruments :CO2 incubator for Cell Culture
 (To be submitted by supplier duly filled)

Sr. No.	Technical Requirement- CO2 incubator for Cell Culture	YES /NO
1.	Capacity: ~ 170 liter	
2.	Temperature management system: 4°C to 50°C with control increment of 0.1°C	
3.	Temperature accuracy: ± 0.4 °C - 0.1°C at 37°C	
4.	CO ₂ gas supply range: 0.1 - 20%	
5.	Control increment of CO ₂ gas: :0.1% accuracy, Relative Humidity (RH) uniformity: $\pm 0.3\%$ Stability of $\pm 0.1\%$ at 37 °C and ambient 22° Gas uniformity: $\pm 0.1\%$ at 37 °C	
6.	Decontamination Protocol: High-Temperature Disinfection [HTD]: of at least 120-140 °C for 2 hours	
7.	Should have a large backlit display for control of temperature and alarms	
8.	Should have separate single inner glass door for monitoring of samples without disturbing conditions of the chamber.	
9.	Should have pressure regulator to ensure less gas consumption	
10.	The Inner chamber should be formed from single stainless-steel sheet	
11.		
12.	Should have six-sided direct heating elements to ensure even distribution of heat.	
13.	Should have removable humidity tray for easy cleaning and refilling of distilled water	
14.	System Should be "fan less".	
15.	Should have Dual Channel Infra-Red (IR) CO ₂ sensor with auto-calibration feature	
16.	incubator should come with standard 3 perforated stainless-steel shelves	
17.	Should conform to CE certification standards	
18.	Comprehensive warranty: 3 years from the date of installation	
19.	Accessories: All other accessories required for doing all the experiments should be quoted separately, including glassware, clamp etc...	

**Signature of the Authorized
Official with Seal**

PREVIOUS SAME ORDER EXECUTED

Please quote best minimum prices applicable for a premier Educational and Research Institution. The party must give details of purchase orders identical or same equipment supplied to any IITs/NITs/University/CFTIs as per below Format in last Three years (to be uploaded in Cover 1) along with the final price paid, these details are mandatory.

Name of the Firm _____

Order placed by (Full address of Purchaser)	Order No. and Date	Description and quantity of ordered Equipment	Value of Order	Date of completion as per contract	Has the Equipment being installed satisfactorily (Attach a Certificate from the Purchaser/ Consigner)	Contact Person along with Telephone No., Fax No. and e-mail address.

(Kindly enclose the scan copy of aforementioned purchase orders)

Details of Technical Expert

Name of application specialist/Service Engineer who have the technical competency to handle and support the quoted product during the warranty period.		
Name of the organization	Name of Contact Person	Contact No.

Signature and Seal of the Manufacturer / Bidder _____

Place: _____

Date: _____