भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान बरहमपुर
Indian Institute of Science Education and Research Berhampur
Established by the Ministry of Education, Govt. of India

NIQ No. IISERBpr/NIQ/BIO/2024-25/07 **Date: August 06, 2024**

NOTICE INVITING QUOTATIONS

Indian Institute of Science Education and Research (IISER), Berhampur, is an autonomous Institute established under Ministry of Education, Government of India. Quotations are invited from prospective bidders for supply of CO2 incubator. All prospective suppliers are requested to submit their quotations on or before the end date/time of submission in the following ways:

- By speed post to reach the specified address / drop the sealed quotation in tender box kept at the Security Desk of Institute.
- By email to purchase@iiserbpr.ac.in. The scanned soft copy (pdf) of the quotation should be password protected. The password will be obtained from the suppliers at the specified time of opening of NIQ. The unprotected soft copy of quotation may be rejected.

The sealed envelope should be duly super-scribed OR the subject of email providing soft copy of the quotation should be as follows: ***"Quotation for supply of CO2 incubator vide NIQ No. IISERBpr/NIQ/BIO/2024-25/07 dated August 06, 2024"***

GEM GARPTS No.	GEM/GARPTS/03072024/TEB5ADA3H275
Indent No.	IISERBpr/2024-25/BIO/B0082/60 dated 29/5/2024
NIQ No.	IISERBpr/NIQ/BIO/2024-25/07
NIQ Date:	August 06, 2024
Brief Description of the item to be procured	Quotation for supply of ***"CO2 incubator"*** (Specifications as per Annexure- 1)
Quantity	-01-
Delivery Period (Days/weeks):	06 weeks from the release of Purchase Order
Delivery Location:	IISER Berhampur Transit Campus, Free installation at the IISER permanent campus Permanent campus, Laudigaon, Berhampur-760003 at the time of shifting
Estimated value	₹ 9,99,460/-
NIQ Submission End Date & Time of submission	**August 13, 2024, 15:00 hr**
NIQ Opening Date, Time & Venue	August 13, 2024 at 15:45 hr (Store & Purchase Office)
Delivery:	(i) FOR IISER Berhampur (ii) LD Charges @0.5 % per week for late delivery.
Payment Terms.	100 % after successful delivery and installation subject to submission of PBG @ 5% of the PO value in the form of BG/DD valid till 38 months
Address for submission of NIQ:	The Stores & Purchase Officer IISER Berhampur, Transit Campus, Govt. ITI Building Engineering School Road Berhampur – 760010 Through email: purchase@iiserbpr.ac.in (strictly as per the above directive)
Award of Contract:	The bidder who quotes the Lowest amount shall be awarded the contract
Warranty (Onsite)	3 years onsite comprehensive from the date of installation
For technical Clarifications please contact:	Dr. Vivek Tiwari E-mail: vivekt@iiserbpr.ac.in
NIQ Inviting Authority:	Stores and Purchase Officer for and on behalf of Director, IISER Berhampur Tel. No.0680 2227-728/709

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Stores & Purchase Officer

Annexure-1

Technical Specifications

(NIQ NO. IISERBpr/NIQ/BIO/2024-25/07 dated August 06, 2024)

Technical Specification				
Sl. No.	Specification of equipment	Compliance please write Yes/No	Make/Brand & Model No. of the Quoted Item	Remarks
1	Chamber volume should be 160-180 liters with SS Interior Components, which include side ducts, shelf channels, three shelves, and a humidity pan.			
2	Relative Humidity (rH): ≥v90% at 37°C			
3	CO_2 management			
	i. range: 1-20% or better			
	ii. control: ±0.2% or better			
4	Temperature			
	i. range: 4°C above ambient to at least 50°C or better.			
	ii. control: ±0.2°C or better.			
	iii. uniformity: less than ±0.3°C.			
5	Rapid recovery of all critical parameters as follows:			
	i. Temperature recovery: in < 5 mins			
	ii. % RH recovery: < 10 min			
	iii. % CO2 recovery: < 6 min			
6	O_2 Management			
	i. Control ± 0.1%			
	ii. Range 1-20%			
	iii. Tracking alarm: ±1%			
	iv. 1-21% O2 control monitoring system in the CO2 incubator			
7	The incubator should be equipped with in chamber air filtration during cell culturing that achieves ISO Class 5 chamber air quality.			
	1-21% O2 control monitoring system in the CO2 incubator			
8	Systemic sterilization capability: up to 180° C (12 hours or more) High-temperature sterilization cycle with a proven 12-log reduction of microorganisms.			
9	High heat Sterilization without removing the sensor from the place and not removing any component of the incubator requires user intervention.			
10	CO_2 sensor: TC or IR (infrared) CO_2 sensor.			
11	The system should have the facility to store all the data about the run temperature and other parameters and extract a downloadable history of activity and conditions, including parameter changes and alarms.			
12	The water pan is directly heated by the chamber's bottom heater.			
13	Guided air circulation, passing the chamber air above the surface of water.			
14	Humidification of gases (CO_2) before they reach the cells or culture.			
15	Temperature probes and gas sensors should be located inside the chamber to allow precise monitoring of the conditions of the cells, which can withstand an 180 °C heat sterilization cycle.			
16	The system should be equipped with independent thermal protection to protect the samples from harmful overheating in case of failures of the main temperature probe, so that the sample will be safe.			
17	Interior chamber: 100% electropolished SS.			
18	Exterior chamber: powder-coated steel with minimum thickness with antimicrobial coating.			
19	Access port: 40-45 mm diameter			
20	Number of shelves: at least 3 and load per shelve / total load at least 10/30 kg			
21	Input voltage: 230–240V, 50–60Hz (without transformer)			
22	The unit should incorporate a touch-screen user interface or soft touch key pad and a bright, easy-to-read control module display.			
23	The screen should display the water level in the water pan with a low water level warning with accuracy.			

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24	There should be a 0.22-disk filter in the inlet of the CO_2 port to filter the CO_2.			
25	The incubator should be supplied with two high-pressure CO_2 gas cylinders and two N_2 gas cylinders with a capacity of around 18 litters, along with four regulators. The incubators must be stackable on each other, etc., for each set of incubators, and that should make them ready to use with the said incubator.			
26	Warranty: 3 years of comprehensive warranty for the whole system.			
27	One number of suitable servo voltage stabilizers with high voltage, low voltage cut-off auto-reset with delay timer, spike eliminator, etc.			
28	All the above specifications should be mentioned on the OEM globally published website. A minimum of 3 numbers of reputed government (IISER, NISER, IIT, NIT, ILS) customer appreciation letters and PO copies for using this equipment, a product CE certificate, and a physical demonstration of performance need to be proved for technical qualification.			
29	Free installation at the permanent campus at the time of shifting from Transit campus			

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Stores & Purchase Officer

QUOTATION FORMAT

Ref : IISER Berhampur, NIQ No. _____ Dt. _____

Name of the Firm: _____ Name of Proprietor _____

Address _____

Quotation No. _____ Dt. _____

Mob No. _____ E-Mail: _____

GSTN. _____ Registration /License No. _____

PAN No. _____

Brief description of the material to be supplied: -

Sl.	Description of item	Qty	Unit Price	Discount Offered	GST %	Total cost with GST
1	CO2 incubator	1				
					Total Rs.	

(a) Whether able to supply the said goods with GST Exemption certificate, as research equipment / computer, computer peripherals, software and hardware etc supplied to our institute will attract only 5% GST. Yes /No.

(b) All above prices are F.O.R. IISER Berhampur.

(c) 100% Payment will be made after delivery and installation within 30 days from date of supply and installation.

(d) Validity of quotation 30 days (e) Delivery period _____ (days/weeks)

(f) Warranty details _____

(g) Bank Account Details: Name of A/c Holder _____
Bank Name _____ A/c No. _____
IFSC _____

Certified that I Hereby accepted all terms and conditions of NIQ under reference.

Seal of the firm _____ Signature _____