



National Institute of Technology, Durgapur
DEPARTMENT OF BIOTECHNOLOGY

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Date: 01/03/2017

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Subject: Invitation of quotations for CO₂ Incubator

1. Bidders are invited to submit your most competitive quotation (as per **Annexure-I**) for the goods as stated in the following table .

S.L No	Name of the Equipment	Quantity
1.	CO ₂ INCUBATOR (air jacketed) with automatic decontamination facility. Specification- A separate sheet Enclosed (ANNEXURE-II)	1

2. You are also requested to mention/attach the following information/documents along with the quotation.

a) Latest sales tax clearance certificate, b) credential if any, c) special discount, if any for Educational Institution without any pre-condition and d) catalogue specification of the item.

3. These items will have to be delivered from the companies of high repute.

4. The purchaser will award the contract to the bidder whose quotation will be determined to be most responsive.

5. Notwithstanding the above, the purchaser committee reserves the right to accept or reject any quotation, to not to order specific items as the case may be at a later time point or to cancel entire bidding process at any time prior to award of contract.

6. Purchase will be made as per purchase rule of the Institute. Delivery should be made to the laboratory of Dr. NIBEDITA MAHATA, Department of Biotechnology, NIT Durgapur within 30 days from the date of issue of purchase order.

7. The liquidated damage (LD) will be applicable @ 0.5% every week. The purchaser has the right to cancel the purchase order when the LD accumulates to 10%.

8. Terms of payment: Within 30 days on receipt of bill along with challans in triplicate. 100% payment will be made.

9. The quotation has to be submitted to the undersigned on or before 21 days from the date of advertisement.

Indenters

Dr. Nibedita Mahata

Assistant professor

Dept of Biotechnology

NIT Durgapur

ANNEXURE-II

SL. No	Brief Description of the Good	Specifications	Quantity
1.	CO ₂ INCUBATOR (air jacketed and direct heat) with automatic decontamination facility.	<p>1.Main Body Construction:</p> <p>A) The interior chamber should be made of high quality stainless steel with elcetropolished finish to aid in minimizing contamination with all curved corners and edges for easy cleaning.</p> <p>B) Built in audible and visual alarm for temperature should be available.</p> <p>C) The system should have large digital display for both temperature and CO₂ simultaneously.</p> <p>D) The system should have at least 2 doors one main door and one glass door.</p> <p>E) Temperature, CO₂ and humidity, recovery time should be very fast.</p> <p>2. Temperature control method: Air jacketed direct heating system.</p> <p>3. Temp. range °C: Amb +3°C to 55°C with temperature accuracy±0.1 and temp uniformity: <= ±0.2°C.(Ambient temp range 18 to 34°C).</p> <p>4. CO₂ control system: Microprocessor PID</p> <p>5. CO₂ range 0-20% with accuracy±0.1</p> <p>6. CO₂ sensor: TCD sensor</p> <p>7. Water tray or pan less system is preferred for slow humidification and contamination with humidity range upto 97%.</p> <p>8. CO₂ incubator with work chamber volume appriximately150 L-190L.</p>	1

		<p>9. At least 3-4 no of stainless steel (304) perforated shelves should be supplied.</p> <p>10. Unit should have appropriate filter (HEPA) to eliminate biological organisms/contaminant and volatile organic compounds .</p> <p>11. System should have dry heat built in moist or direct heat automated decontamination(sterilization) facility to remove bacteria, fungi etc. without the need of removing sensor , fan or any other fitting.</p> <p>12. Suitable servo voltage stabilizer with high voltage low voltage cut off circuit, auto reset with delay timer and spike eliminator etc., Double stage CO₂ pressure regulator with stainless steel diaphragm and 18 Kg CO₂ cylinder filled with CO₂ gas 99.5% or better purity required for operation of CO₂ Incubator should also be quoted. Servo voltage stabilizer, Double stage CO₂ pressure regulator, and one 18 kg CO₂ cylinder filled with CO₂ gas should be included in the offer.</p> <p>13.Warranty: 2 year including parts and Warranty starts from day of installation</p> <p>14. Delivery: within 8 to 10 weeks from receipt of payment</p>	
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