

THE UNIVERSITY OF BURDWAN

DEPARTMENT OF ZOOLOGY

Tender Notification/ Inviting Quotations

Ref. No. ZOO/BU/2018/DST-SERB/PM/1

Dated: 09.10.2018

Sealed Quotations are invited from reputed manufacturers/vendors/suppliers for the supply of following instruments as per specification given below to be purchased by Dr. Paramita Mandal, Department of Zoology, The University of Burdwan from budget head of the DST-SERB sponsored research project entitled "Characterization of minor capsid protein L2 and non coding region 2 of HPV16 in cervical cancer pathogenesis harboring episomal viral genomes".

Items with Specification:

Item	Specifications	Quantity
1. Water jacket CO ₂ incubator with cylinder	<p><i>Capacity : Minimum 180 Ltrs.</i></p> <ul style="list-style-type: none">• <i>Temperature Range : RT + 5°C to 55°C, +1°C</i>• <i>Temperature Uniformity : ±0.2C @ 37C (98.6F)</i>• <i>CO₂ Control : Better than ±0.1%</i>• <i>CO₂ Range : 0-20%</i>• <i>CO₂ Sensor : Thermal Conductivity</i>• <i>Readability and Set ability for Co₂ : 0.1%</i>• <i>Tracking Alarm : High and Low alarms , User Programmable</i>• <i>Humidity : Ambient to 95% @ 37°C (98.6°F)</i>• <i>No. of Shelves : 4 standard.</i>• <i>Triple-Wall Construction side wall with layers of thermal conditioned dual layers of water and non-CFC fiberglass insulation. Water jacket surrounds sides, back and bottom of chamber</i>• <i>The Incubator should have fan assisted and directed HEPA filtered chamber airflow system producing Class 100 chamber airquality within 5 min of door closing.</i>• <i>HEPA filter should be located inside the incubator chamber for optimum filtering, easy access, and simple replacement</i>• <i>Unique filtered air exchange system minimizes the risk of condensation — Condensation in the unit heightens the risk of contamination.</i>• <i>Heated dual inner glass door with Sealed Door Trim, to provide quicker recovery to uniform temperature after door openings and minimizes condensation on the glass.</i>• <i>Chamber should be with 100% coved chamber corners to eliminate the cracks and crevices that are difficult to clean and harbor contamination.</i>• <i>The chamber interiors should be polished stainless steel to provides a smooth, easy to clean surface</i>• <i>Microbiological filters on all gas inlets and outlets and sample ports should be provided to reduce the potential contamination sources</i>• <i>Microprocessor control/monitoring system with touch screen displays for temperature, CO₂, and alphanumeric message center which is easy to read- usage logs, data logging, performance trend graphing, and easy to program.</i>• <i>Automatic electronic start up and automatic CO₂ auto zero</i>	One

	<p><i>facility should be provided for simplified procedures for easy start up and use</i></p> <ul style="list-style-type: none"> • <i>Programmable tracking alarms for temperature and CO2 alarms should be available which can be configured to meet the needs of applications.</i> • <i>All probes and sensors should be located inside the chamber for faster recovery than with remote located sensors</i> • <i>Units should be stackable to maximize lab space, without the need for expensive accessory stacking kits</i> • <i>One CO₂ Regulator : Double stage stainless steel diaphragm brass body</i> • <i>One 18 Kg CO₂ gas cylinder filled with CO₂ gas to be supplied</i> • <i>One Suitable servo voltage stabilizer with high voltage low voltage</i> • <i>Warranty: 1 year</i> 	
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Terms & Conditions:

1. The equipments must be of good quality, hardy and the supplier must provide warranty/cashless after sales service for a period of at least one years after installation has been made.
2. The quotation MUST include the FINAL PRICE (inclusive of all; viz, **GST, PAN, GST, PAN, INCOME TAX RETURN, any other tax ,carrying cost, transportation cost, installation cost, discount if any, etc.**) of the respective equipment's in INR (Indian rupees).
3. The suppliers must also include terms & conditions for the after sales service details possible only at The University of Burdwan, warranty period.
4. The quotation with improper specification and brand will be rejected and not to be considered
5. All the details along with the quotation must reach the following address on or before 29th October, 2018 (11.00-4.00 PM) to **Dr. Paramita Mandal, Department of Zoology, The University of Burdwan, Golapbag-713104, Burdwan, WB, India.**

Sd/-

Dr. Paramita Mandal

Department of Zoology , BU