

Indian Institute of Technology - Kanpur
Department of Biological Sciences & Bioengineering

Enquiry Number: BSBE/IG/NC/SG1, dated: 06/09/2013

Sub.: Inquiry for the supply following components to augment Cell & Molecular Biology Teaching Laboratory

Opening date: September 7, 2013 at 10:00 AM

Closing date: September 13, 2013 at 5:00 PM

Sealed quotes (technical bid and price bid separately sealed) are invited for the augment Cell & Molecular Biology Teaching Laboratory as per the specifications given in the next page.

Your quote should mention/include the following:

- Maximum discount if any should be offered and mentioned.
- Quoted price should include the cost for installation, warranty and required accessories (see below).
- Validity of the quote at least for 60 days.
- FOB (indicating port of shipment) and CIF (New Delhi) values should be quoted separately if import is required. For quotes in INR, the price quote should be for delivery at Kanpur.
- The quote should cover insurance for transport up to Kanpur.
- Indian agency commission if applicable (should be certified by the principal if no agency commission is applicable) in case of import.
- Authorization certificate from the principal if you are a local agent.
- Terms and conditions for the payment, including the banker's name of the principal and the account number, if any, for electronic transfer.
- Include proprietary item certificate if applicable.
- Technical literature to support your product (in technical bid).
- Users' list with contact address in technical bid.

**Note: Offers should quote for all components of this facility (see next page for details).
Quotes that do not offer all components of the facility will be disqualified.**

The quote should reach the undersigned on or before 5 pm on or before September 13, 2013. The envelope should be marked as "Quote for components to augment Cell & Molecular Biology Teaching Laboratory".

The Head
Department of Biological Sciences & Bioengineering
Indian Institute of Technology,
Kanpur 208016 (UP)

For any query, contact: Dr Amitabha Bandyopadhyay

Components (10) to augment cell & molecular biology teaching laboratory

Item No. 1: CO₂ incubator with accessories (Quantity 1)

Specification: 160 -175 liters capacity, 0.2 to 20% CO₂ control, high temperature disinfection, temperature control range 4°C above ambient to 50°C.

Accessories: CO₂ cylinder with regulator (1 each)

Item No. 2: CO₂ incubator (small size) with accessories (Quantity 1)

Specification: 12-14 liters capacity with two shelves, temperature control range 5°C above ambient to 50 °C, CO₂ gas management range 0.2 to 20%, external CO₂ supply line with HEPA filtration. Accessories: CO₂ cylinder with regulator (1 each)

Item No. 3: Dry cooling bath (-10°C) (Quantity 1)

Specification: Precise temperature control with temperature range from 30°C below ambient to 100°C with a minimum setting of -10°C. Must be compatible with block holders for flat bottomed cryovials of 1.5 ml volume.

Item No. 4: Ultralow freezer (-80°C) with accessories (Quantity 1)

Specification: 550-600 liters capacity, with temperature range of -50°C to -85 °C, and microprocessor temperature control with alarms. Should have minimum five compartments with four adjustable shelves. Password protected temperature setting and silicone seals on the doors are essential features.

Accessories: 4' freezer racks (25 numbers).

Item No. 5: Refrigerated microcentrifuge with accessories (Quantity 2)

Specification: Maximum rotational speed 15000 rpm. Maximum rcf is 21,130g. Temperature range: -10°C to +40°C, aerosol-tight rotor with space for 24 X 1.5-2 ml tubes. Should have fast precooling option.

Item No. 6: Non-refrigerated microcentrifuge with accessories (Quantity 1)

Specification: Maximum rotational speed 15000 rpm. Maximum rcf is 21,130g. Rotor with space for 24 X 1.5-2 ml tubes. Noise level should be less than 52dB.

Item No. 7: Refrigerated multi-purpose centrifuge with accessories (Quantity 1)

Specification: Maximum rotational 20,800 x g (14,000 rpm) with rotor recognition and imbalance detection devices, and temperature range from -9°C to 40°C. Should have fast precooling option.

Required Rotors:

Fixed angle rotor for 30 x 1.5/2mL tubes, with aerosol-tight lid and max speed 20,000 x g (14,000 rpm) or above (Quantity - 1)

Fixed angle rotor for 6 x 50 ml tubes with aerosol-tight lid and max speed of 16,000 x g (11,000 rpm) or above (Quantity - 1)

Item No. 8: Bottle top liquid dispenser (Quantity 1)

Specification: Dispensing range: 0.01 ml to 999.9 ml. 2.5 ml dispensed per rotation. Continuous pulse-free dispensing. Safety valve for deairing without loss of reagent. Simple calibration program. Discharge tube rotatable by 360°.

Item No. 9: Variable volume pipettes (quantity as specified below)

Specification: Micro volume adjustable pipettes that can be autocalved.

Pipette with the capacity 0.1-0.25 µl [10 µl tip] (Quantity 1)

Pipette with the capacity 0.5-10 µl [20 µl tip] (Quantity 2)

Pipette with the capacity 2-20 µl (Quantity 4)

Pipette with the capacity 20-200 µl (Quantity 3)

Pipette with the capacity 100-100 µl (Quantity 3)

Item No. 10: Biosafety cabinet- class II type (Quantity 1)

Specification: Cabinet of working surface of 4'x2'x'2 with stainless steel interior and surface, and made of coated iron. The unit should have UV light, HEPA filter, pre-filter, fluorescent light virus burnout unit and sliding slash door with alarm system. Should be a standalone system.

Item No. 11: High pressure vertical Sterilizer (Quantity 1)

Specification: Triple walled autoclave with steam jacket with automatic pressure control and vacuum break. Max load 6 KW. Inner chamber and jacket should be made from stainless steel.

Warranty period from date of installation: 3 years for all products