

PONDICHERRY UNIVERSITY
SCHOOL OF LIFE SCIENCES
DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY

TENDER NOTICE

26.09.2011

PU/DBMB/CT/ICMR-PROJECT/Equipts.ADVT/2011-12/

The Principal Investigator, ICMR-PROJECT, Department of Biochemistry and Molecular Biology, Pondicherry University invite sealed tenders from reputed Foreign/ Indian Manufacturers/ authorized dealers for the supply of the following items:

S. No.	Name of the Equipment (Imported)	Qty	Tender fee
1	Carbon Dioxide (CO ₂) Incubator	1 No.	Rs. 500/-
2	-80°C Freezer	1 No.	Rs. 500/-

Non-transferable tender document can be obtained against a written request to the Information facility centre, Pondicherry University, Pondicherry – 605014 on all working days on payment of non-refundable tender fee mentioned above as DD, favoring the “Finance Officer, Pondicherry University” payable at Pondicherry. The last date for receipt of tender is **18.10.2011 till 3.00 PM**. The Earnest money deposit of 2.5% of the quoted value must accompany the tender documents. The University will not be responsible for loss or postal delay of tender documents. The filled-up tender may be dropped in the box kept at the Information Facility Centre with clear superscription “Tender for the Equipments – **Dr. C. Thirunavukkarasu, Assistant Professor, Principle Investigator, ICMR project, Department of Biochemistry & Molecular Biology** , Pondicherry University, Puduhcerry-14, India.

Details can also be downloaded from the University Website: www.pondiuni.edu.in

Tender fee should be enclosed with the quotation.

REGISTRAR

Sealed quotations are invited for the following equipments with the given specifications:

1. Specifications for CO₂ Incubator:

- **Heating System: AIR JACKET, Single Chamber, Stackable, HEPA Filtration system, IR Sensor**
- **Temperature Control:** (+/-0.1°C), Range 5°C above ambient to 55°C with temperature safety; Recovery: +/- 0.3°C / minute average, Sensitivity: +/- 0.125°C, Display resolution: 0.1°C
- **CO₂/O₂ Control:** Better than +/-0.1%, CO₂ range (0-20%), O₂ Range (1-20%) and Inlet pressure (15 PSIG (1.0 bar) with CO₂ & O₂ sensors; Non-dispersive digital infrared CO₂ sensor, Auto-zero calibration built-in
- **Interior Volume: 170 liters**
- Polished stainless steel interior, with minimum 4 perforated SS shelves
- Insulated outer door and Cleanable inner door gasket
- Remote alarm contacts, outer door safety sensor, with Dual Pane, self heating inner glass door
- Standard SS Shelves & One Humidification Pan along with CO₂ and O₂ regulators and gas guard
- Independent glass inner door kit and Incubator chamber
- **Relative Humidity** (Ambient to 95% @37°C)

Accessories

- Should provide 3 year warranty
- Should provide all necessary reagents and consumables for initial installation and standardization.
- All spare parts should be available with the supplier or principals for a period of 10 years.

Ambient conditions for operation

- The unit should be capable of being stored continuously in ambient temperature of 0-50°C and relative humidity of 15-90%
- The unit should be capable of operating continuously in ambient temperature of 10- 40 °C and relative humidity of 15-90%

Power Requirements

- Power input to be 220-240VAC, 50Hz fitted with plug suitable for Indian conditions.
- Suitable Servo controlled Stabilizer.
- Reset table over current breaker should be fitted for protection

2. Specifications for -80°C freezer:

- Upright, 400 L; 14.5 Cu.Ft.
- Programmable temperature range from -20°C to -86°C in 1°C increments, even at ambient temperature up to 32°C
- Micro Processor controlled temperature and alarms with non-volatile memory.
- Touch key pad for simple operation
- Optical alarm for sensor break
- Optical alarm for high/low temp
- Optical alarm for door opening
- Air Circulation by reduced power consumption and no noise generation
- Recessed, heavy duty casters
- Hermetically-sealed two stage cascade refrigeration with capacity to cope in high-ambient conditions
- Insulation with 5.1", 130mm thick polyurethane foam
- Minimum 5" PUF insulation CFC free
- Chamber with latchable inner door to minimize cold air loss when external door is opened and reduce power consumption to maintain temperature
- Four SS shelves with Five inner doors (Vertical models)
- Full length door handle with cam latch
- 5 compartment with 4 adjustable heights corrosion resistant Shelves with each compartment equipped with Insulated Inner Door with magnetic lock
- Keyed locks on the outer doors and lids to keep out unauthorized users
- Password to prevent unauthorized users from changing the temperature set point or alarm set point. Sufficient number of sample racks and 3 yr warranty

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