



No: PUR/2010-11/IND16469/KK

Date: 30/05/2011

To

**Sub : Request for Pro-forma Invoice**

Dear Sir

This Research Institute is interested in purchasing of the items mentioned below. You are therefore requested to forward a pro-forma invoice along with your terms & conditions of supply & payment. Please provide a copy of the technical literature and the specifications of these items in a sealed envelope.

Please read carefully the terms and conditions mentioned overleaf and submit your pro-forma invoice/quotation accordingly.

SNo.	Name of Item	Catalog No	Qty
1	Incubator , equiped with with roller bottle apparatus, shaker and roller drum		1

**Important**

- Please mention our reference number on the envelop and address all correspondence to Director IMT Chandigarh only.
- Please quote strictly as per our specifications.
- Please attach compliance sheet
- Proforma Invoice received after due date will not be considered under any circumstances.
- Please note that your Quotation should reach us latest by **14/6/2011** opened on **15/6/2011**
- **Your Quotation must be duly stamped and reach directly to IMT from you only. If quotation is submitted by Indian representative/agent then they must have to produce a authority certificate of principal party for quoting the price Other wise it will be very difficult at our end to consider your quotation.**
- **Quote must be in two bid system 1) Technical bid 2) Commercial bid**

Yours faithfully,

**Stores & Purchase Officer.**

**TERMS & CONDITIONS**

**Commercial**

- Cost : Mention the price of the material in the FOB/FCA/CIF including inland freight value only. Please note that being a Govt. Organization we cannot make Advance Payment.

- Insurance : Consignment should be insured through National Insurance Company of India or its associate in your country.
- Freight : The dispatch of the material should be through Air India preferably.
- Agency Commission : Mention the percentage of Indian Agency Commission payable to commission Indian Agent in INR and also mention the name of your authorized Indian Agent/Representative, Pro-forma invoice without mentioning Indian Agency Commission will not be considered at our end.
- Validity : The validity of your pro forma invoice should be less than 180 days from the date of opening.
- Warranty : Mention the warranty period of equipment after satisfactory installation. 10% Bank Guarantee is to be submitted by you/your Agent for the Equipments costing Rs.25 Lac & above
- Taxes For Indigenous products, please quote Sales Tax/VAT/Service Tax/Freight/Other levies etc., if any, clearly in your quotation.

**General Condition**

- Zerox copies of latest price list applicable list may be enclosed applicable in Indian Market.
  - Ensure that quoted price will not be higher to any other customers in India to whom this particular item have been sold particularly to govt. of India Organization.
  - Sent a certificate that the equipment is of latest technology & will not be obsolete within 5 years.
  - Ensure that all essential spares parts of this equipment will available in India with your Indian Agent as and when required.
  - Provide the list of the users in India of the same equipment along with their contact / email address.
  - Enclose a copy of agreement with your authorized Indian Agent.
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- FAX : 0091-172-2690056, 2690632 email : [purchase@imtech.res.in](mailto:purchase@imtech.res.in)
  - TEL : 0091-0172-6665363 website : [www.imtech.res.in](http://www.imtech.res.in)

Yours faithfully,

**Stores & Purchase Officer**

## **Technical Specification for Incubator equipped with Roller Culture Apparatus, Orbital Shaker and Tube Roller drum (2010-11/IND16469)**

1. Microprocessor controlled incubator. This incubator shall have three shelves with the option of total of ~ 12 shelves.
2. The base incubator shall be equipped with three decks (~15 bottles) roller culture apparatus (the specifications of roller bottle apparatus are described below in section A) with true bottle speed set point and option for user to input bottle diameter for exact bottle speed. The middle shelf should be equipped with an orbital shaker for microbial culture (the specifications of orbital shaker apparatus are described below in section B). The top shelf shall be equipped with the test tube roller drum (the specifications of test tube roller drum are described below in section C).
3. Electrical requirement – 220 -240 VAC, 1500watts. This incubator shall be equipped with ~ 5 power points to supply power to multiple apparatus in the incubator.
4. The incubator shall have the following
  - Temperature Range-Ambient to 60°C, Temperature Uniformity-  $\pm 0.5^\circ$  @ 37°C(empty incubator) Sensitivity:  $\pm 0.1^\circ$ C
  - Independent over-temperature safety protection
  - Digital indicator & actuator keypad
  - Forced-air circulation with digital temperature control
5. Conforms to ISO certification standards with 1 year of warranty.

### **Section A: Specification of roller bottle apparatus**

1. The roller bottle apparatus with three modular decks and ability to add additional decks to increase capacity will be preferred.
2. Base shall be equipped with 3 Decks and shall fit in the incubator.
3. Electrical requirement – 220-240V, AC, 50/60Hz, 20 watts
4. The roller bottle apparatus with rotational speed alarm and belt break alarm will be preferred.
5. The unit should have digital display and keypad for feeding easy input and monitoring of the settings.
6. Wide speed range - 0.25 to 8.0 RPM for roller bottle apparatus.
7. Programmable rotation direction, fixed or reversing (either direction). Should rotate in either direction and can reverse direction automatically at the time interval entered
8. Programmable soft-start and stop to avoid premature cell detachment. The unit should continuously monitors both the rotational speed and the drive train
9. Rotational speed alarm and belt break alarm
10. One year warranty

### **Section B: Specification of Orbital shaker**

1. Microprocessor controlled orbital shaker with rotational speed of ~25-350 rpm with digital display of speed.
2. Easy key pad for setting the speed.
3. Audible and visible alarms for over or low speed.

4. With timer ~ 0-99 hrs (automatic shut off at the end of study) and capability for continuous operation.
5. Electrical requirement – 220-240V, AC, 50/60Hz, 20 watts

**Section C: Specification of tube roller drum**

1. Should hold ~150 tube with diameter of 16 mm
2. Speed control (~6-50 rpm) will be preferred
3. Electrical requirement – 220-240V, AC, 50/60Hz
4. Shall fit in the main incubator