



# **West Bengal University of Technology**

## **Tender Form**

### **Scientific Instruments**

**Notice No : BIO/FO/11-12/6**

**Date of Issue : 21-Jul-2011**

**D.D. No. for the Tender Price :**

**Address:  
BF-142, Sector-I,  
Salt Lake City,  
Kolkata-700064**

**Tele-Fax No:  
(033) 2334-1034**

**Phone No.:  
(033) 2321-1345**

Tender Paper for Supplying Scientific Instruments

Ref: Tender Notice No. BIO/FO/11-12/6

dated: **21-Jul-2011**

**1.**

**a) Name & Address of the Firm:**

**b) Telephone No:**

**c) Mobile No.:**

**d) Fax No:**

**2. Name of the items for which the Firm is interested:**

**3. Name of the Proprietors/partners/directors etc:**

**4. Trade License No (With Photocopy):**

**5. VAT License No:**

**6. Service Tax Registration No (With Photocopy):**

**7. Additional Information if the party wants to include:**

**8. Copies of Testimonials/credentials/certificates regarding services/experience etc:**

**Signature with Stamp**

**Please give sealed quotation for the following Instruments (I to III) clearly superscribing the tender notice number on the envelope.**

## **Specifications:**

### **Instrument-I**

#### **Low Temperature Incubator (Imported) (Two Nos.)**

- Microprocessor P I D Control / Auto tuning /Calibration
- Should have built-in Digital timer. 1 Min 99hrs 59 min, Digital On/Off
- Over temperature limiter for safety of sample.
- Should have built in door opening alarm.
- It should have 9 steps of temperature profiles programmable and repeat up to 200 cycles.
- Touch sensitive keypads with LED Display(0.1 Resolution )
- Should have facility for electrical out-let with safety covers which will allow the use of other electrical instruments in the chamber.
- Cooled Incubator should have an inner glass door.
- Inner chamber preferably should be made of quality stainless steel.
- Built in cross flow type fan should be present to maintain uniform temperature in the cabinet.
- Chamber volume 150 to 160 liters.
- Temperature range 0 ° to 60° C, Accuracy  $\pm 0.1^{\circ}$  C.

# **Instrument-II**

## **Specification for Peristaltic dosing Pump (Imported) (One Nos)**

- Bench top with small foot print (foot pad)
- Silent and free from vibration
- Pump Tube held by a sample clamp
- Dispense rate: The pump should be able to dispense set volumes over a set time period
- Flow rate: The pump should be able to dispense at a constant rate over a set time for continuous operation.
- Numeric Keypad to enter values.
- LCD display
- Calibration memory
- Change Pump Direction, control from the panel
- Rotation direction indicator
- Foot switch connection for Start/Stop
- Speed (r.p.m.) : 60 - 400
- Resolution (ml) : 1 or 0.1
- Dispensing range (ml) : 8 - 9999
- Silicon tubing (ID) : 4 mm/ 6mm/ 8 mm
- Dispensing Tube (Stainless Steel) (ID) : 4 mm/ 6mm/ 8 mm
- Aspiration Tube (Stainless Steel) (ID) : 4 mm/ 6mm/ 8 mm
- All tubes should be autoclavable (including silicon tubing)

# Instrument-III

## **Binocular Stereo Zoom Microscope (Imported)(One Nos)**

- 1) Zoom Stereo Microscope Body with zoom ratio 7.7: 1 or better.
- 2) Zoom range 0.65x to 5x or better.
- 3) Basic magnification continuously variable between 6.5x and 50x or more.
- 4) Stand may be fitted with easy - to - reach controls for focusing, zoom changer and illumination.
- 5) Ergonomic Binocular tube inclined at 35° with built-in Planachromatic objective 1x.
- 6) Widefield Eyepiece 10x with 23 mm or better field of view that may cover large area of sample > 30 mm to 4 mm.
- 7) Working distance 92mm (approx).
- 8) Built-in powerful LED illumination for transmitted light and incident light microscopy for visualizing transparent samples as well as opaque samples can be observed.
- 9) Light control by push button and fast changeover between transmitted light, incident light and combined light

## General conditions:

1. The tenderers are required to deposit the tender forms along with relevant papers (mentioned in the form) in two sealed covers mentioning financial bid and technical bid separately.
2. The university reserves the right to accept or reject any tender without showing any reason.
3. Tender for supply of the goods mentioned in the notice may be submitted in full or in part.
4. Tender fee of Rs. 200/- (non refundable) has to be deposited along with the tender papers.
5. All payments should be made through demand drafts in favour of the 'West Bengal University of Technology' payable at Kolkata.
6. The last date of receiving of tender paper in the office of the finance officer is 5th August 2011 before noon. Opening of tender shall be announced shortly.
7. Incomplete tender shall be summarily rejected.
8. Subcontracting in any form will not be entitled by the university.
9. All legal disputes shall be subject to jurisdiction of Calcutta High Court.

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