

West Bengal University of Technology

Tender Form

Scientific Instruments

Notice No : **SCI/FO/10-11/4**

Date of Issue : **27-09-2010**

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. SCI/FO/10-11/4 dated: 27-9-10

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 and II clearly superscribing the tender notice number on the envelop.

Specifications:

Instrument-I Refrigerated centrifuge including aerosol-tight rotor

Wide temp. range of -11deg.C to +40deg.C. which is modifiable during the run operation.

Centrifuge must have a 'fast cool' option where the cooling process can be shortened.

Have a standby cooling and heating mode up to 8 hrs. which enables cooling or heating even when not in operation.

Have automatic temperature start up at a specific time to automatically pre-prepare temperature before centrifugation.

Must be able to maintain at 4deg.C at maximum speed.

Max speed of 17500rpm,max rcf of 30,130g adjustable from 100rpm upwards in an increment of 10rpm up to 3000rpm and in an increment of 100rpm thereafter.

Timer for run can be set up to 99minutes continuous.

Must have digital display of time,speed,temp.

Must follow the safety standards set by IEC 1010-2-020.

Rotor must be autoclavable at 121deg.C for 20min. at 15psi pressure.

Automatic imbalance detection.

Acceleration time must be 14s.

Deceleration time must be 15s.

Adjustable soft ramp.

Noise level should be less than 67dB.

Dimension should be 38x64x29 cm.

Weight without rotor should be 56kg.

Rotor should include lid,sleeve and adapter for 0.2ml PCR tubes,set of 6.

Instrument-II Thermal Cycler

1. 1.PCR System with 96 well block of 0.2 mL Sample Capacity
2. 2.Graphical user interface and display screen with real time countdown for each temperature incubation segment, cycles completed, temperature ramp etc.
3. 3.Memory to store minimum 100 complete PCR methods (pre/post-PCR holds & cycles).
4. 4.Method storage & protection feature.
5. 5.Software functions should provide:-
 - a. Fixed ramp speeds, date/time display
 - b. Auto-extend and auto-descend for time & temperature
 - c .Programmable pauses
 - d. Tm-Calculator as standard feature

e. Temperature verification option.

6. 6.Auto restart for use after power disruption.
7. 7.Average Heating & Cooling rates for sample as well as block should be 1 Deg. C / second.
8. 8.Temperature Accuracy should be +/- 0.5 Deg.C over the range 35 Deg. C To 100 Deg. C.
9. 9.Temperature should be calibrated to the standards traceable to NIST.
10. 10.Heated cover (105 Deg.C) for oil-free operation.
11. 11.Smaller foot-print and ideal for both basic PCR & Cycle Sequencing Applications.
12. 12.The instrument must provide the PCR Performance Guarantee under standard set of conditions, in addition to Standard Instrument Warranty.
13. 13.The thermal cycler should require a license to do the Polymerase Chain Reaction (PCR).
14. 14.The instrument for a full range of PCR applications.

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/- 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 6th October 2010 before noon. The paper will be opened on the same day at 2.00 pm.
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.