

**BOSE INSTITUTE  
KOLKATA**

Tender No. : R/MC/881/KP

Tender date : 23.12.2014

Type of Tender : Limited

Tender Title : Gradient PCR System

Specification :

1. The system should be a 96 well Thermal Cycler with 3 separate peltier blocks to run – 3 different assays with varying annealing temperatures at the same time.
2. Each block to accommodate at least 32 wells and having the ability to set up PCR with a specific temperature differential of up to 5 degree centigrade between blocks.
3. On board Tm calculator facility to approximate the optimal annealing temperature.
4. It should have a ramp rate of at least 4° C.
5. Temperature accuracy:  $< \pm 0.1^{\circ}\text{C}$
6. Temperature accuracy:  $< \pm 0.1^{\circ}\text{C} - 2^{\circ}\text{C}$
7. The system should support PCR volumes ranging from 10 to 100 microlitre.
8. Mouse or stylus free navigation capability with 8 inch colour TFT LCD
9. Availability of graphical display
10. Choice of saving more than 500 methods to the instrument or unlimited to a USB memory stick.
11. Programmable heat lid cover from 50 degree to 105 degree centigrade for efficient PCR optimization.
- 12 It should have simulation mode which can mimic the cycling conditions of other thermal cyclers.
13. Programme Features- It should have programme over write protection, Auto Restart, Edit programme during experiment and one touch incubation.

14. Portability: The system should have a USB port to transfer methods from one machine to another.
15. Similar or related PCR unit should be running in Bose Institute or other Kolkata based research institutes.
16. Availability of Kolkata based technical/repair and maintenance support.
Quantity : One

Last date & time for submission	: 15.01.2015 at 12:00 noon
Date & time for opening of bids	: 15.01.2015 at 1:00 pm
Submission of Tender (Address)	: Dept. of Chemistry (Room No. – C17) 93/1, APC Road (Rajabazar), Kolkata 700 009
Venue of bid opening	: Department Office Address as given above
For any query the interested bidders may contact	: Dept. of Chemistry (Room No. – C17) 93/1, APC Road (Rajabazar), Kolkata 700 009 Ph. # 2303 1157 / 1152 / 1139

<b>General Terms &amp; Conditions :</b>	
Warranty	: Two years
Payment terms	: After complete delivery of the instrument in good condition and satisfactorily installation
Delivery schedule	: Within 6 weeks from date of order and if any defect of the supplied item is found, it should be replaced immediately from your side.
Bid security (earnest money deposit), if applicable	: NA
Submission of Performance Bank Guarantee (PBG), if applicable	: NA
Any other information (if applicable)	: Nil
Name of the instrument and submission of tender should be mentioned on the envelope positively.	
Director, Bose Institute reserves the right to accept or reject any or all tenders either in part or in full. The reasons for rejecting the tender of a prospective bidder will be disclosed only when enquiries are made.	

The Sr. Professor & Incharge, Registrar's Office