

**Indian Institute of Technology - Kanpur**  
**Department of Biological Sciences & Bioengineering**

Enquiry Number: BSBE/IITK/NC/BA5, dated: 02/12/2013

**Sub.: Inquiry for the supply of Thermal Cycler.**

Opening date: December 2<sup>nd</sup> 2013 at 10:00 AM

Closing date: December 11<sup>th</sup> 2013 at 5:00 PM

Sealed quotes (technical bid and price bid separately sealed) are invited for the Thermal Cycler as per the specifications given in the next page.

Your quote should mention/include the following:

- Maximum discount if any should be offered and mentioned.
- Quoted price should include the cost for installation, warranty and required accessories (see below).
- Validity of the quote at least for 90 days.
- FOB (indicating port of shipment) and CIF (New Delhi) values should be quoted separately if import is required. For quotes in INR, the price quote should be for delivery at Kanpur.
- The quote should cover insurance for transport up to Kanpur.
- Indian agency commission if applicable (should be certified by the principal if no agency commission is applicable) in case of import.
- Authorization certificate from the principal if you are a local agent.
- Terms and conditions for the payment, including the banker's name of the principal and the account number, if any, for electronic transfer.
- Include proprietary item certificate if applicable.
- Technical literature to support your product (in technical bid).
- Users' list with contact address.

**Note: Offers should quote for all the accessories of the Thermal Cycler (see next page for details).**

The quote should reach the undersigned on or before 5 pm on December 11<sup>th</sup>, 2013. The envelope should be marked as "Thermal Cycler".

Dr. Bushra Ateeq  
Department of Biological Sciences & Bioengineering  
Indian Institute of Technology,  
Kanpur 208016 (UP)

Email: bushra@iitk.ac.in

## Thermal Cycler

### *Essential components and features:*

#### ***Item No. 1: Thermal Cycler (Quantity 1)***

*Specification:* Must have latest generation Peltier-based thermal cycling system.

Temperature range: 4–100°C with temperature uniformity  $\pm 0.5^\circ\text{C}$  well-to-well within 30 sec of arrival at target temperature.

With maximum ramp rate 4°C/sec and Average ramp rate 2.5 °C/sec.

Should have ability to run fast or standard PCR methods.

Must support PCR volume 96 x 0.2 ml tubes, 0.2 ml tube strips, or 1 x 96-well plate.

Gradient accuracy should be  $\pm 0.5^\circ\text{C}$  of programmed temperature.

Gradient range should be in between 30–100°C.  $\pm 0.5^\circ\text{C}$  well-to-well (within row) within 30 sec

Should have touch screen for setting and viewing of temperature profiles.

Should have option of saving the method to the instrument or to a USB and save up to 500 typical programs.

#### ***Item No. 2: Power back-up UPS (Quantity 1)***

*Specification:* A suitable online UPS of 2 KVA power capacity with one hour of battery backup.

#### **Warranty period (from date of installation):**

For item No 1: Minimum 3 years.

For item No. 2: Minimum 1 year