

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

Enquiry Number: BSBE/IG/NC/AK1, dated: 11/09/2013

Subject: Inquiry for the supply of Real-Time PCR Machine

Opening date: 11 September 2013 at 10:00 AM

Closing date: 18 September 2013 at 5:00 PM

Sealed quotes (technical bid and price bid separately sealed) are invited for the supply of real-time PCR machine 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 60 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 in technical bid.

Note: Offers should quote for all components of this facility (see next page for details). Quotes that do not offer all components will be disqualified.

The quote should reach the undersigned on or before 5 pm on or before 18 September 2013. The envelope should be marked as "Quote for the supply of Real-Time PCR machine"

The Head
Department of Biological Sciences & Bioengineering
Indian Institute of Technology,
Kanpur 208016 (UP)
For any query, contact Dr. Ashok Kumar.

Quotation for Real Time-PCR machine

The RT-PCR must possess the following features:

1. Temperature range: 4 °C to 100 °C with a thermal accuracy of ± 0.5 °C.
2. Thermal uniformity of ± 0.5 °C at 90 °C and above, ± 0.2 °C at 60 °C and lesser.
3. Ramp Rate of cooling and heating: $> 3-4$ °C/ sec
4. Light Source: LED lights for high and uniform precision.
5. Minimum detection channels: 3 (Three)
6. The system must be completely open to use various chemistries and also compatible with consumables from other sources.
7. Excitation- Emission Range: Between 450-700 nm
8. Plate format: 96-well with low volume up to 200 μ l.
9. Minimum Sample Volume: 10 μ l and above.
10. Heating and Cooling Method: Preferably peltier system for uniform cooling and heating.
11. Scan Time for Multiplexing: < 10 sec for 4 channels.
12. Onboard Computer: Must have an onboard computer to save each run.
13. Device accessibility: PC, USB and Printer Ports.
14. Range: ≥ 9 (Nine) orders of magnitude.
15. Desirable to have gradient capacity.
16. It is also desirable that the machine can be used as a normal PCR machine.
17. Data Analysis: Inbuilt data analysis tools and high-end software system compatible with MAC and Windows to ensure efficient screening of data.
18. Computer System (MAC- OS): Desktop (iMAC) or Laptop (IOS) with: i5 processor with 2-4 GB RAM and 500 GB HDD, 17" (Desktop)/ 13.5" (Laptop) LED monitor.
19. UPS for computer and the machine to prevent loss of critical data in case of power failure. The device must be 3-4 kvA providing a minimum of 1h backup.

Warranty: 3- 5 Years.