

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

Enquiry Number: BSBE/IG/NC/SG2, dated: 09/09/2013

Sub.: Inquiry for the supply of Real-Time PCR Machine

Opening date: September 9, 2013 at 10:00 AM

Closing date: September 16, 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 from companies that have established after-sales service support will be given preference.

The quote should reach the undersigned on or before 5 pm on or before September 16, 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)

Inquiry for the supply of Real-Time PCR Machine

Item No. 1: Real Time PCR Facility(Quantity 1)

Specification:

- Real time PCR with block of 96 x 0.2 ml tubes or plate to run typical 0.2ml tubes, strips, and plates (should be compatible with third party consumables, hence the running cost could be low).
- Should have a gradient capacity with dynamic ramping.
- The system may have an option to use it as a standard PCR as well.
- The system should have a minimum of 3 channel for analysis Purpose.
- Should be capable of Detecting FAM/Sybr Green, and VIC, HEX, TET, CAL Fluor Gold 540 etc.
- Should be open system capable of running various chemistries, including TaqMan, Molecular Beacon, SYBR green etc
- Should have a channel dedicated for FRET experiments
- Excitation –Emission range: 450- 580nm, with LED for excitation and PMT for detection.
- Temperature range 0– 100 OC with accuracy of ± 0.2 °C and uniformity of ± 0.4 °C within 10 sec of arrival at 90 °C.
- Sample volume should be 1-50 μ l.
- Should have built in data analysis modules with advance features like well highlighting, QC flags and custom data view assist with quick analysis.
- Should be capable to perform Automatic allelic discrimination by end point fluorescence or threshold cycle.
- Should be capable to perform gene expression analysis by relative quantity (Δ Ct) or normalized expression ($\Delta\Delta$ Ct).
- The analyses software should be compatible with standard OS (Windows/Mac), HRM applications and the MIQE Guidelines. The software should also be capable of analyzing multiple platform data in a single window.

Required Accessories: Combatable UPS (minimum 30 min backup), desktop/laptop as workstation, and control/analysis software as mentioned above.

Warranty period: Minimum 3 years from the date of installation for all products.