Technical and price bids are invited for the purchase of a Real-Time PCR as per minimum specifications, terms and conditions given below.

**Minimum Specifications for Real-Time PCR**

- Facility for sample run of ≥ 96
- Block format of ≥ 96 wells
- Programmable volume of 1-100 µL, optimized for 5-30 µL
- Complete control through PC with standard software
- Operating temperature range of 4-100 °C
- Temperature uniformity of ±0.5 °C
- Excitation source: Tungsten-halogen lamp/ LED
- Peltier based cycling system
- Fluorescence detection via spectrograph and CCD camera
- Sensitivity down to 1 copy of target sequence in human genomic DNA
- Excitation wavelength of 500 nm to 650 nm
- Emission wavelength of 500 nm to 660 nm
- On board memory of 50 plus runs
- Colour combination of 5 or more
- Run time ~30 minutes
- The instrument must have available application in gene expression, microRNA, genotyping and copy number variation
- Compact design with small footprint
- Branded Desktop PC/ laptop with Monochrome LaserJet Printer and 1 KVA On Line UPS with 30 minutes back up.

**Optional**

- Reagents for test run

**Terms & Conditions:**

1. The quotations must have validity of at least three months.
2. Quotation must include insurance and air-freight charges, delivery period of the items addresses to The Indian Institute of Technology, Delhi, India (CIF, New Delhi).
3. The products will be used for educational purposes. Any applicable academic institution discounts should be offered and stated.
4. Detailed colour printed original brochure should accompany the offer.
5. If the bidder is an authorized dealer then the authorized Indian dealership certificate from the principles should be enclosed.
6. Warranty details must be given.
7. Payment will be through irrevocable letter of Credit.
8. In case the items are proprietary products of the company, a proprietary item certificate stating the same must be provided.
9. Training should be provided.
10. Institute reserves the right to accept or reject any or all the quotations without assigning reasons thereof.
11. List of users should be provided with their email and phone nos. for verification (preferably IIT users).
12. Minimum 3 customer’s performance certificate to be provided who is using same instrument from last 2 year with satisfactory performance.

The technical and price bids should be kept in separate sealed cover marked as “technical” and “price bids” on the top of the envelopes. Both the envelopes should be kept inside a bigger envelope marked as **Bids for Real-Time PCR**. The bids should be sent to Prof. S. K. Khare, Chemistry Dept. IIT Delhi, Hauz-Khas, New Delhi-110016 latest by October 27, 2014, 5.00 PM.