

### Notice Inviting Quotations

Sealed quotations are invited for the supply of “**Gradient-PCR machine**” as per the given technical specifications provided on next page for the SERB, Govt. of India Sponsored project entitled “ **Evaluation of therapeutic potential of human intestinal alpha-defensin, HD-5 against colorectal cancer**””. The quotes must specify make, quality and period of supply of each item along with detailed information and should reach the undersigned on or before 12<sup>th</sup> May, 2016 by 5 PM.

Your quote should mention/include the following:

1. Quotation should be submitted in two parts in two different sealed envelopes: -
  - (a) Technical bid consisting of all technical details along with commercial terms and conditions,
  - (b) Financial bid indicating item-wise price for the items mentioned in the technical bid.
2. Quotation should be accompanied with 2% EMD of estimated cost of the equipment in favour of Dr. Simran Preet, Principal Investigator, SERB Project, Department of Biophysics, Panjab University, Chandigarh. Quotation without EMD will not be considered.
3. Quoted price should include the cost for installation, warranty and required accessories for Department of biophysics, Panjab University, Chandigarh.
4. The rate should be strictly F.O.R. destination
5. Validity of the quote at least for 90 days.
6. Special Discount for educational institutions, University teaching department may be mentioned.
7. The rates for insurance, excise duty, S.T. should be clearly mentioned, original receipt for the insurance charges are required along with the bill.
8. The quotation in a sealed envelope giving our/ your reference No./ Date of quotation should be sent by hand/ Registered cover/ Speed post/Courier, addressed to Dr. Simran Preet, Principal Investigator, SERB Project, Department of Biophysics, BMS Block-II, Sector- 25, Panjab University, Chandigarh. The envelope should be marked as “Quote for the supply of Gradient PCR machine”.
9. Technical literature to support your product.
10. Users’ list with contact address.
11. Include proprietary item certificate if applicable.
12. Payment will be made in Indian rupees, after the installation of the equipment.

Thanking you,  
(Dr.SimranPreet)  
Assistant Professor  
Deptt Of Biophysics  
Panjab University, Chandigarh, India

## **PCR SPECIFICATIONS**

1. Gradient Thermal Cycler with 96 well Block and block ramp rate of 6 °C
2. Gradient range from 30°C – 99°C. System must offer at least 12 rows of gradient.
3. The system should have a Temp accuracy of +/- 0.2 °C and temp uniformity of +/- 0.4 °C
4. The system must support reaction volume of 10 – 100 µL
5. The system must have flexibility of Interchangeable 96 well and 384 well Blocks, both blocks must offer gradient capability.
6. The system must have memory for 10,000 protocols
7. The system must have a touch screen for easy navigation and operation of the system
8. Option for USB should be available for easy transfer of data
9. A PCR starter kit: Taq polymerase, Taq buffer and dNTPs for 500U reactions and plastic ware [PCR tubes compatible with equipment, 500 each].
10. -20 upright solid door freezer for storing PCR Reagent capacity at least 140 ltrs.
11. **Gel Doc System:** camera resolution 15 megapixel digital color imaging., Metal dark room with large access door with Gel viewing window, Trans illuminator with 302 nm wavelength at least 21x 25 c.m area, Emission filter: EtBr red 570-640 nm. Software: camera control, image capturing and suitable computer.
12. **PCR work station**(built in UV light with safety shut off/on switch, UV proof sliding/hinged door flips up for easy access, built in power outlet for operating equipment inside,99.99% exhaust HEPA filter and easy to fumigate) for process the work of pre PCR.
13. Warranty: 2 years