



TRIVENIDEVI BHALOTIA COLLEGE

(Govt. Sponsored)

Post: Raniganj, Dist.: Paschim Barddhaman, Pin- 713347

ESTD – 1957

Tender Notice For Department of Zoology

Ref: Tender/SRG/2022/00053/02

Date: 28/10/2022

This is an open circulation on behalf of Dr. Shreyasi Gupta, Assistant Professor, Department of Zoology, T.D.B College, and Raniganj seeking competitive quotations (bid) from potential companies / agencies for purchase from nonrecurring fund of a DST SERB Project (SRG/2022/00053).

The bidder must be a company registered under Companies Act, 1956/2013 or Partnership or LLP or OPC or Proprietary Firm. Documentary (Certificate of incorporation/Relevant document) evidence to be submitted.

The bidder should have valid GST Registration Certificate, PAN & Trade License. Bidder shall have to submit all this data if necessarily asked by administration of TDB College.

Equipment: Polymerase Chain Reaction (PCR) Machine

Technical Specifications for Thermal cycler:

- Gradient Thermal Cycler with Peltier heating and cooling based system.
- Should be supplied with **block** of 96 x 0.2ml .
- The block should also have dynamic gradient capability
- Only dynamic gradient technology will be accepted
- A total of 8 gradient should be possible using both the blocks.
- **Should have a maximum ramp rate of 4-5 degC/second**
- **Should have adjustable heated lid**
- Should have block and calculated temperature control modes.
- **Should have protocol auto writer for easier programming to run a standard, fast or ultrafast protocol.**
- **Should have a temperature range of 0-100 deg C**
- Should have a temperature accuracy of ± 0.2 deg C
- **Should have a temperature uniformity of ± 0.4 deg C well to well within 10 seconds of arrival at 90 degC and have 6 thermoelectric modules.**
- **Should have a gradient range of 30-100 deg C and use dynamic ramping for gradient.**

- Should have a high resolution touch screen display should have a memory of **>1000 programs** with further expansion through a USB Flash drive for transfer of files.
- Option to protect files with optional log-in, restricted user privileges and secured mode for controlled environment should be there.
- Should have automatic option for graphical or text based programming
- The software should have exportable Run logs and system error logs
- The system should be capable of using through a PC or without it.
- It should be possible to control additional 3 cyclers through one instrument.
- Should be **upgradeable Real Time PCR with gradient capability. If applicable**
- Should have **O-ring seal to protect thermal electric modules.**
- Should be **licensed for Research and IVD Applications.**

Interested Vendors may contact Dr. Shreyasi Gupta (guptashreyasi2009@gmail.com) for further clarification.

NB: Sealed quotations must be submitted within 15 days from the date of publication of this notice. Payment will be done after satisfactory Installation only.

Please mention Equipment name, tender ref number on sealed envelope and address that to Dr. Shreyasi Gupta, Department of Zoology, C/O Principal, Trivenidevi Bhalotia College, Raniganj, Paschim Barddhaman, 713347, West Bengal

Sd/-

Principal

T.D.B College, Raniganj