

CENTRAL INSTITUTE FOR COTTON RESEARCH

POST BAG NO 2, SHANKAR NAGAR POST OFFICE NAGPUR - 440 010

Phone: 957103 - 275549, 38, Fax: 91- 957103 – 275529

{Location; Near Indian Oil Depot, Panjari , Wardha Road, Nagpur - 441 108.}

F.No. (74)ST/NTPC/Thermal Cyclers/2009-10/

Dated 22.01.2010

Sub: Quotation for the Purchase of **Thermal Cyclers** - reg.

Sealed quotation are invited by the Director, Central Institute for Cotton Research for the purchase of following **Thermal Cyclers** on the terms and conditions prescribed below:

SN	Specification	Rate (in Rs.)	Qty.	Amount (in Rs.)
1.	Thermal Cyclers : (As per enclosed Specification)	@ Rs.	ONE	Rs.

Terms & Conditions :

- The price should be inclusive of all taxes, Vat, duties if any chargeable.
- Sealed quotation along with the literature and pamphlets should reach this office on or before **15.02.2010**.
- Envelope may please be super-scribed with the word **Quotation for “Thermal Cyclers”**. Instruments indigenous or imported will be purchased from only those parties, who can ensure and undertake to provide the satisfactory after-sales-service within the country. The supplier should also ensure to offer a complete detailed package on back up support, prompt commissioning, after-sales-service including workshop backup, timely supply of spares, timely repair of machines, proper training to Scientists/Technicians on use.
- The make, quality and specifications, etc may be mentioned in the quotation in detail/must be as per details given by this office.
- Other terms and conditions of supply if any may also be stated.
- The Director, CICR, reserves the right to accept or reject one or all quotation/s without assigning any reason thereof.
- The quotations, without the above desired information / received after the due date are liable to be rejected.

Specifications for Gradient Thermal cyclers

1	Gradient Thermal Cyclers
2	96 well Block Format
3	Block should be Gold anodized block
4	Max Heating should be 3.5 °C/sec
5	Max Cooling should be 2.5 °C/sec
6	Temp Uniformity should be +/- 0.20 °C within 15 sec at 55°C +/- 0.30 °C within 15 sec at 70°C +/- 0.60 °C within 15 sec at 95°C
7	Heated lid and Lid Temperature Range must be 30 to 99 °C
8	Temp Gradient must be 25 °C
9	Temp Range between 3 °C to 99 °C
10	Control Accuracy: +/- 0.1 °C
11	Programming modes: Easy spreadsheet
12	Memory: 350 typical programs in up to 30 user directories (optionally password protected)
13	Display: ¼ VGA screen, 320 x 240 pixels
14	Auto restart after power failure
15	Power consumption: max. 480 Watt
16	Warranty for 2 Years
17	Software options: Quick start of the last five programs, program preview prior to start, gradient temperature graph, adjustable ramp rates, extended self test, service files, PC control

Administrative Office