

# CENTRAL INSTITUTE FOR COTTON RESEARCH

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{Location: Near Indian Oil Depot, Panjari, Wardha Road, Nagpur – 441 108}

F. No.(54)St/NFBSFARA/Thermal Cyclor/GB/2011-12

Date: 24.12.2011

**Sub:** Quotation for the Purchase of **Thermal Cyclor** – reg.

Sir,

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

SN	Specification	Rate (In Rs.)	Qty.	Amount (In Rs.)
1.	<b>Thermal Cyclor (Gradient)</b> (The detailed specification is enclosed)	@ Rs.	ONE	Rs.

## Terms & Conditions:

1. The price should be inclusive of all taxes / VAT etc.
2. **EMD amount 3% of the quoted / estimated value** of the above item/system should be enclosed with quotation in the form of D.D. in favour of Director, CICR, Nagpur.
3. Sealed quotation along with the literature and pamphlets should reach this office on or before **18.01.2012**.
4. As the equipment/Instrument is urgently needed for our research work, the firms who will be able to make immediate supply F.O.R., Central Institute for Cotton Research, Panjari Farm, Wardha Road, Near Khapri, Nagpur should only quote the desired rates.
5. Envelops may please be super-scribed with the word "**Quotation for Thermal Cyclor**".
6. 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 equipments, proper training to Scientists/ Technicians on use.
7. Guarantee/Warranty period offered and after sales service available should be clearly mentioned.
8. The quotation should be quoted by solely local authorized stockiest Service distributor against this equipment, who has necessary service backup facility.
9. Authorized Certificate should be enclosed with the quotation for this equipment.

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10. Those who are unable to provide this local service facility will not be entertained.
11. The make, quality, and specifications may be stated in detail/must be as per details given by this office. In case supply is not made within a fixed period the office reserves the right to cancel the supply order.
12. The payment will be made only after completing delivery according to the specifications, quality, and quantity given in the quotation/purchase order.
13. Other terms and conditions of supply if any may also be stated.
14. Equipment/Instrument will be accepted only after giving satisfactory demonstrations.
15. The Director, CICR, reserves the right to accept or reject one or all quotations without assigning any reason thereof.
16. The quotations, without the desired specification received after the due date are liable to be rejected.

**Encl.: As Above (Specification)**

**Administrative Officer**

**Specifications for Thermal cycler**

- 1 **Thermal Cycler (Gradient)**
- 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