



## ICAR - INDIAN INSTITUTE OF RICE RESEARCH

(Formerly Directorate of Rice Research)

Rajendranagar, Hyderabad – 30: Telangana

Phone No's: 040-24591201: FAX: 040-24591217



F.No.6-1 -61/Thermocycler (PCR) system/ICAR-Extramural Project/Gireesh/P&S/16-17

3467

Date:01-02-2017

### **BY REGD.POST**

**ENQUIRY NO: 106(01-31)**

**TENDER FOR : "Thermocycler (PCR) system"**  
**DUE DATE : 21/02/2017**

To

### **Sub: Procurement of Thermocycler (PCR) system – Reg.**

Dear Sir,

Tenders are invited for Procurement of Thermocycler (PCR) system as per the following specifications Copy Enclosed.

You are therefore, requested to kindly submit your Tender for the above said items to the Senior Administrative Officer, Indian Institute of Rice Research, Rajendranagar, Hyderabad 500 030 by Post/Courier.

**NOTE: LIMITED TENDERS BY POST ARE ONLY ACCEPTED**

P.T.O

### **TERMS & CONDITIONS**

1. The last date for submission of Tenders is **21-02-2017 at 02:30 PM.**
2. Tenders should be submitted only by **POST / COURIER** in a sealed cover addressed to Senior Administration Officer, Indian Institute of Rice Research, Rajendranagar, Hyderabad – 500030 so as to reach by at 02:30 PM in the closing day. Delay on account of postal / other will not be the responsibly of the IIRR. The cover containing Tender should invariably be superscribed separately **"Tenders are invited for Thermocycler (PCR) system"**.
3. 2% of EMD drawn in favour of Director, IIRR, Rajendranagar, Hyderabad on estimated cost to be enclosed along with the Tender.

4. The successful bidder has to furnish an amount, equivalent to 10 % of the order value as security Deposit which will be refunded / returned only after satisfactory completion of the contractual obligations including warranty.
5. No advance payment will be made. Payment will be made through on-line after satisfactory installation/certification of the concerned Officer. Please furnish the following details:
  - Account Name :
  - Account Number :
  - Account Type :
  - MICR Code :
  - Branch :
  - IFSC Code :
  - Bank Address :
6. The rates quoted should be net payable for each item for delivery at the Institute at the address given above (inclusive of all taxes, packing forwarding, transport, insurance and excluding rebate/discount etc.)
7. This institute is not in a position to supply and "D" or "C" forms
8. While quoting the rates please mention the following:
  - Approximate time for supply of stores from the date of placing order
9. Tender which does not conform to the above terms and conditions will not be considered. The Director, IIRR reserves the right to accept or reject any or all Tenders without assigning any reasons thereof.

Yours faithfully,

  
**Asst. Administrative Officer**

Copy to

- Dr. B. Sailaja, Scientist, GIS – to be placed in IIRR Website/Central Procurement Portal

### Thermo cycler specifications

S No.	Required Specifications	Specify specifications of equipment	Proof (Page No.)
1)	Gradient PCR with Silver block for 96 x 0.2ml PCR Tube for 96 well PCR plate		
2)	Peltier technology based heating and cooling of block with patented Triple Circuit Technology ensuring precise control of temperature and Should be capable of testing temperatures at Denaturation, Annealing & Extension steps		
3)	Gradient temperature range from 30°C to 99°C with 0.1°C minimum gradient spread and Should be able to test 12 different temperatures in gradient function		
4)	Block temperature control range must be 4°C to 99°C; lid Temperature range: 37 to 110 °C ; Block Temperature Accuracy: $\pm 0.2^{\circ}\text{C}$ and Block Homogeneity: $\leq 0.3^{\circ}\text{C}$ (20°C to 72°C); $\leq \pm 0.4^{\circ}\text{C}$ (90°C)		
5)	Heating rate: 5°C per second and cooling rate: 3.5°C with Adjustable user defined ramp rate to meet sensitive experimental conditions		
6)	Flexlid technology with Thermal Sample Protection (TSP) to accommodate PCR tubes with flat or domed caps		
7)	Should have administrator and user login with or without PIN or enhanced security		
8)	Should have Time and/or Temperature increment with cycles in PCR program		
9)	Customized programming allows maximum of 20 steps and 99 cycles		
10)	Auto Restart facility with user defined time interval when power fails and resumes		
11)	Power save Standby function and Instrument should display remaining runtime and the status of the run with large display with Intuitive Graphic programming		
12)	Should have Two USB ports: for Protocol transfer, Self-test, USB, printer / mouse		
13)	Should have Log book function for error messages and new calibration and E-mail Notification		
14)	Cooling vents at bottom and rear allow placing other instruments in limited bench space		
15)	Self-test dongle facility to check functionality of all six peltier elements		
16)	Interface: USB, Ethernet, CAN in, CAN out		
17)	Calibration according to NIST (USA), DKD/PTB (Germany) UKAS/NPL (UK), UL/cUL listed and should comply to RoHS (2011/65/EU)		
18)	Should provide Two years warranty		

**Note:** Firms should mention the actual specification of the equipment along with proof documents. It should not mention complied or not complied.