



## DBT UMMID PROJECT

Department of Biotechnology, Government of India

"Screening of Pregnant Women & Newborns in Aspirational Districts (Ferozepur)"

### Department of Human Genetics

Guru Nanak Dev University, Amritsar-143 005 (India)

ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ, ਅੰਮ੍ਰਿਤਸਰ-143 005

(Established by the State Legislature Act No. 21 of 1969)

(Accredited with CGPA of 3.85 on four point scale at "A++" grade (highest level)

by NAAC and conferred "University with Potential for Excellence" status by UGC)

No. 3377 /HG

Dated 14/1/25

Registered/Speed Post

**Subject:** Sealed quotations for supply of the **Gradient Thermal Cycler**  
(Technical Bid (Sealed) and Financial Bid (Sealed) put in one Main Sealed Envelope).

#### Technical Specifications

- Gradient Thermal Cycler with Peltier array based heating and cooling system
- Block capacity of 96 x 0.2ml tubes, 8-tube strip and 96-well plate
- Gradient block with selectable temperature gradient from 1°C to 24°C, or better
- Gradient should be available across the block
- Maximum Ramp rate up to 4°C/second or better with alloy block
- Average Ramping Temperature: 3-4°C/ second
- Temperature control range: 4.0°C - 100°C
- Thermal accuracy:  $\pm 0.25^\circ\text{C}$  -  $0.5^\circ\text{C}$
- Temperature uniformity:  $< 0.5^\circ\text{C}$
- Reaction volume: 10-100 $\mu\text{l}$
- Touch screen Display Interface
- System memory of more than 500 typical programs on board and provision of USB memory stick
- System should have inbuilt Tm calculator with at least 5 peltier
- Auto restart in the event of power failure

#### Other requirements:

- Power supply should be compatible to Indian conditions
- Warranty for 2 years plus 2 years free AMC
- Assured prompt after sale service
- All the claims and specifications about the instrument should be supported by a printed and authentic literature
- Provide with online 2KVA UPS having at least one hour power backup

Sir,

Sealed quotations are invited for the supply of above item in **two separate sealed envelopes of Technical and Financial Bid put in one sealed envelope.**

[The sealed envelopes of Technical and Financial bids inside the main envelope should clearly mention that which is Technical bid envelope or Financial bid envelope. Firm name should be mentioned in all the three envelopes clearly.]



**DBT UMMID PROJECT**  
**Department of Biotechnology, Government of India**

"Screening of Pregnant Women & Newborns in Aspirational Districts (Ferozpur)"

**Department of Human Genetics**  
**Guru Nanak Dev University, Amritsar-143 005 (India)**

**ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ, ਅੰਮ੍ਰਿਤਸਰ-143 005**

(Established by the State Legislature Act No. 21 of 1969)

(Accredited with CGPA of 3.85 on four point scale at "A++" grade (highest level)

by NAAC and conferred "University with Potential for Excellence" status by UGC)

**Terms & Conditions:**

1. Quotations should address to **Prof. (Dr.) Vasudha Sambyal, Coordinator DBT UMMID Project** Department of Human Genetics, Guru Nanak Dev University, Amritsar - 143005 so as to reach this office on and before **28/01/2025** through registered/speed post duly superscribed on the envelope "**Quotations for Gradient Thermal Cycler**".
2. Rates should be inclusive of all taxes, duties and levies in Indian Rupees For Department of Human Genetics, Guru Nanak Dev University, Amritsar,
3. Quotations received within the due date will be entertained only.
4. The delivery of the item shall be made within 6-8 weeks of the issue of the supply order.
5. The committee reserves the right to reject any of the quotations without assigning any reasons.
6. The institutional discount should be mentioned clearly.
7. In case of any dispute, the matter will be referred to Vice-Chancellor, Guru Nanak Dev University, Amritsar whose decision will be binding and final.

*Vasudha*

**Prof. (Dr.) Vasudha Sambyal**  
**Coordinator DBT UMMID Project**