

**College of Horticulture and Forestry**  
**Dr YS Parmar University of Horticulture & Forestry**  
**Neri, Distt. Hamirpur (HP)-177001**

No. UHF/CONF/HGI-232-63/2054-2059  
Dated: 11.3.2026

To \_\_\_\_\_  
M/S \_\_\_\_\_  
\_\_\_\_\_

Sub: Quotation

Dear Sir,

**Sealed quotations are invited by the undersigned for the supply of equipment as per specifications mentioned below.**

Sr. No	Particular	Qty.
1.	<p>Thermal cycler:</p> <ul style="list-style-type: none"> <li>i. The quoted Thermocycler should be Peltier based heating and cooling PCR system.</li> <li>ii. Gradient Thermal Cycler with user exchangeable blocks for giving maximum flexibility with fully Open labware acceptability with suitability for low-profile and high-profile plastic with and without skirted plate formats, as well as for semi-skirt MTP formats.</li> <li>iii. Block to be supplied: High speed silver block with gold coating for 96 x 0.2ml PCR tubes, plates or strips with sample volume capacity of 5 - 100 µl , thermal block should be compatible for both 0.1- and 0.2-ml tubes/MTP format for maximum flexibility and broad application base.</li> <li>iv. The blocks should be interchangeable with other blocks like block for 60 x 0.5 tubes, dual block or 384 well plates configuration etc.</li> <li>v. The 96 well, 60 well &amp; 384 well modules should also be available with gradient option for quick optimization of new protocols.</li> <li>vi. Blocks should be interchangeable without using any tools in less than 10 seconds and should be supported by automatic block recognition feature.</li> <li>vii. Should have gradient span of 40°C and linear gradient tool for programming of 12 different temperatures between the 12 columns/rows of the block with equal increment/decrement automatically.</li> <li>viii. Should have a Gradient temperature range of 4-99 °C with control accuracy of ± 0.1 °C.</li> <li>ix. Should have a ramp rate of 8.0°C/sec (Heating) and 6°C/sec (Cooling)</li> <li>x. Should have temperature uniformity down to ± 0.15 °C at 55°C for maximum uniformity across the block.</li> <li>xi. Should have high performance smart heated lid for improving temperature uniformity in the range of 30 °C to 110 °C</li> <li>xii. OEM/or authorized distributor company should have inhouse facilities to check the temperature measurement system for fully automated temperature verification in the quoted thermal cycler blocks and thus verification of factory instrument specifications. This calibration ensures the highest application safety for your research and routine tasks.</li> <li>xiii. Should have auto-restart feature in the event of power failure with Whisper Quiet technology with max. 45 dB</li> <li>xiv. Capable of storing a minimum of 350 programs in system's internal memory and unlimited on flash drive, system should have the app control feature available for both iOS and Android. In addition, there should be provision for thermal cycler management software to provide various possibilities to control and monitor your networked thermal cyclers from a computer as many as up to 1000 cyclers should be managed from one common software on the</li> </ul>	01 No.


	network for GLP/GMP-compliant use.	
xv.	Should have on board controller of at least 7" Color Touch screen view for easy programming.	
xvi.	Software should have options like Quick start of the last five programs, gradient temperature graph, toggle between User specific quick start of the last five programs, program preview prior to start, toggle between spreadsheet and graphical programming mode, Linear Gradient Tool, generate service info files (SINF), extended self-test, adjustable ramp rates, view gradient temperature graph, PC control via Ethernet, comprehensive user administration tool with individual rights settings.	
xvii.	Should have more than 150 installations of same or equivalent model throughout India in CSIR, ICAR, DBT or other govt. institutions. A list of installations should be provided.	
xviii.	System should be able to control via PC if needed and required software with versatile possibilities to operate and monitor networked thermal cyclers to create, edit, save, copy, and transfer programs, Start, pause, stop programs should be available on request which could control up to 1000 cyclers using just one Computer control for advanced management.	
xix.	Warranty on system should be a minimum of 1 year from the date of Installation and commissioning	

**TERM AND CONDIOTIONS:**

1. **The rate quoted should be F.O.R. Neri, Hamirpur.**
2. The price should be inclusive of all charges viz packing and forwarding, insurance and other if any etc. Sales tax/GST should be claimed extra with specification mentioned in the quotation.
3. The quotations should be submitted only if the articles are in stock and can be supplied promptly.
4. The delivery of items/store is to be effected within the stipulated time otherwise the order will be cancelled.
5. The supply should be strictly in accordance with the specifications given above.
6. The quotations should reach to this office on or before 25.03.26.
7. The quotations received after the due date will not be considered.
8. The envelop cover should contain quotation due on 25.03.26.
9. The College does not issue any concessional sales tax certificate.
10. The quotation by post will be considered only.
11. Most competitive rates for each item per unit be quoted.

12.

**Yours faithfully,**

  
Dean 11/17/26

CC:

The I/C CIC, UHF, Nauri for uploading in University website, please.