



# राष्ट्रीय पादप जीनोम अनुसंधान संस्थान

(जैव प्रौद्योगिकी विभाग, विज्ञान एवं प्रौद्योगिकी मंत्रालय, भारत सरकार का स्वायत्त अनुसंधान संस्थान)

## NATIONAL INSTITUTE OF PLANT GENOME RESEARCH

(An Autonomous Institution of the Department of Biotechnology, Ministry of Science and Technology, Government of India)

अरुणा आसफ अली मार्ग, पो. बाक्स नं. 10531, नई दिल्ली-110067

Aruna Asaf Ali Marg, Post Box Number 10531, New Delhi-110067

संख्या: 8/2016-17/रा.पा.जी.अनु.सं./एस एण्ड पी

दिनांक: 23/8/2016

विषय / Subject: मुहरबंद कोटेशन का निमंत्रण / Invitation of Sealed Quotations

Sealed Tenders are invited on behalf of Director, NIPGR from the Original Equipment Manufacturer or their authorized dealers for the purchase of **01 no. of Gradient PCR** for the laboratory of our Institute, as per the following specifications:.

### Technical Specifications

- Gradient Thermal Cycler with Peltier heating and cooling based system.
- Should have gradient enabled block for 96 well x0.2ml with an option of gradient enabled dual 2x48- well x0.2ml and 384-wellx0.2ml .
- Should have reduced mass sample block to offer settling time of 10 secs.
- Should have a maximum ramp rate of 5 degC/sec and average ramp rate of 3.3 degC/sec
- System should have the capability to program 8 different annealing temperatures using gradient with dynamic ramping.
- Should have block and calculated temperature control modes.
- Should have a temperature range of 0-100 deg C
- Should have a temperature accuracy of  $\pm 0.2$  deg C
- Should have a temperature uniformity of  $\pm 0.4$  deg C well to well within 10 seconds of arrival at 90 degC and have 6 thermoelectric modules.
- Should have adjustable heated lid
- Should have a gradient range of 30-100 deg C and use dynamic ramping for gradient.
- Should have a gradient accuracy of  $\pm 0.2$ degC of programmed temp at end rows
- Should have a row uniformity of  $\pm 0.4$ degC well-to- well within 10 sec of arrival at target temperature.
- Should have a temperature differential range of 1-24degC
- Should have O-ring seal to protect thermal electric modules.
- Should have protocol auto writer for easier programming to run a standard, fast or ultrafast protocol.
- Should have intuitive 8.5" touch screen interface which can displays graphics in high resolution for easy programming.
- The touch screen should be resistive can be used with both gloved and ungloved fingers.
- The lid should have audible over tightening indicator (AOI)
- Should have a high resolution color display and have 6 USB ports
- Should have the feature of "instant incubation" to keep samples at constant temp. for ligation and restriction digests.
- Should have a memory of >1000 programs with further expansion through a USB Flash drive for transfer of files.
- Should have the flexibility to protect files with optional log-in, restricted user privileges and secured mode for controlled environment.
- Should have automatic option for graphical or text based programming



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- The software should have exportable Run logs and system error logs
- Option of using the instrument through a PC should be there
- Should be capable of controlling additional 3 cyclers through one instrument.
- Should be able to control upto 32 units of PCR by using manager software
- Should be upgradeable to 5 Target Real Time PCR
- Should be licensed for both diagnostic and research applications. A copy of license should be attached.
- Branded latest configuration laptop: Processor: Intel Core i7; Operating System: Windows 8.1, Monitor: Touch screen, 14 inch; Memory: 8GB, DVD+/-RW Drive; Hard Drive: 1TB; SD Card reader, Camera: Fixed 2.0MP FHD webcam, Warranty: 3 years onsite warranty, Antivirus, Microsoft office

You are therefore requested to please send your offer in **two bid system** indicating the maximum discount offered, installation charges along with a copy of authorization certificate, issued by the Principals/OEM. The quotations must accompany a Demand Draft amounting to ₹ 8,000/- (Rupees Eight Thousand only), being the EMD in the name of Director, NIPGR, New Delhi and must be sent in a **Sealed Envelope** duly super-scribed on top of envelope as "**Quotation for Gradient PCR**" so as to reach to the undersigned latest by **13/9/2016 (3:00 PM)**, the same shall be opened on same day at **3.30 PM**.

धन्यवाद,

(कय एवं भण्डार अधिकारी)

**Encl:** Terms & Conditions (Annex – I)

## Annexure – I

### नियम और शर्तें:

1. Every tender shall be accompanied with the tender cost of ₹ 500/- (Rupees Five Hundred only) in the form of Demand Draft drawn in favor of "Director, NIPGR" payable at New Delhi in separate sealed envelope along with the tender. In case the tender cost is not submitted, the tender will not be considered.
2. Every tender shall be accompanied with the required Earnest Money Deposit in the form of Demand Draft drawn in favour of the "Director, NIPGR" payable at New Delhi. Any tender not accompanied by such earnest money will be rejected straight away.
3. The rates quoted in the tender shall remain valid for a period 180 days from the date of issue of Award Letter. No tenderer can withdraw/or modify his tender or revoke the same within the said period. If a tenderer on his own withdraws or revokes the tender or revises or alters or modifies the tender for any item or condition within the period mentioned in the tender notice, his earnest money deposit shall stand forfeited. Notwithstanding foregoing, the Institute reserves the right to take other actions as deemed appropriate. In case the successful tenderer after award of acceptance of work fails to perform as per work order or violates any condition of tender, the security deposit/performance security will be forfeited/encashed.
4. NIPGR does not bind itself to accept the lowest or any tender and reserves the right to reject any or all tenders without assigning any reason.
5. In two-bid system the tenders should be submitted containing (a) Technical Bid consisting of all technical details along with commercial terms and conditions and (b) Financial Bid indicating item wise price for the items mentioned in technical bid. The technical bid and financial bid should be sealed by the bidder in separate covers duly super scribed and both these covers must be put in a bigger cover which should also be sealed and duly super scribed. NIPGR will not pay any expense, whatsoever incurred by tenderer for the preparation and submission of tenders.
6. The notice inviting tender, will form part of the contract agreement to be executed by the successful tenderer with the NIPGR.
7. All the correspondence on the tender shall be addressed to the Director, NIPGR, Aruna Asaf Ali Marg, New Delhi and any communication addressed to anyone else shall not in any manner to be binding upon the NIPGR, Aruna Asaf Ali Marg, New Delhi.
8. The tenderer shall submit a copy of PAN/TIN numbers allotted to them.
9. NIPGR reserves the right to change the quantities of the units while issuing the letter of award of work.
10. The successful tenderer shall be required to deposit an amount equal to 10% of the Tender value as Performance Security after adjusting the Earnest Money Deposit within 10 days from the date of issue of letter of acceptance. Performance Security may be deposited in the form of Demand Draft or Bank Guarantee from State Bank of India Or any Scheduled bank which shall be valid till completion of the warranty period of quoted / ordered items. Incase of violation of any condition of Tender, the Security Deposit / BG will be forfeited / revoked.
11. The rates shall be inclusive of Transportation, loading, unloading, taxes etc., nothing extra will be paid.
12. The supplier should be responsible for any damage and site clearance and nothing extra shall be paid.