

TECHNICAL SPECIFICATIONS FOR PCR MACHINE

Department of Plant Molecular Biology, University of Delhi South Campus invites e-tenders (in 2 covers) for one unit of PCR Machine. Following are the specifications:

1. Gradient thermal cycler with at least two blocks for total 96 tubes of 0.2 ml with Peltier heating and cooling. Each block should be able to run independently controlled protocol. The tightening of lid should not be screw-based.
2. At least one block should have independently controlled true gradient capability (well to well in a block across the rows or columns of block) with gradient range of 35-99°C. Dynamic ramping for gradient should be used.
3. The system should have option for removable blocks.
4. Should have a temperature range of 4-99°C with an accuracy of $\pm 0.2^\circ\text{C}$, maximum ramp rate of 3-4°C per sec, adjustable ramp rate is desired.
5. Should have a temperature uniformity of $\pm 0.4^\circ\text{C}$ or better well to well within 10 seconds of reaching 90°C and have 6 thermoelectric modules.
6. Should have adjustable heated lid, have block and calculated temperature control modes.
7. Should have a high-resolution display and at least 2 USB ports.
8. Should have a memory of >700 programs with further expansion through a USB Flash drive for transfer of files.
9. Auto restart facility with user defined interval when power fails and resumes.
10. Pre-set programme templates for easy selection by user.
11. The system should be designed with cooling vents on rear and bottom to allow placing equipment in limited bench space.
12. Option to protect files with optional log-in, restricted user privileges and secured mode for controlled environment should be there.
13. The software should have exportable Run logs and system error logs. Option of using the instrument through a PC should be there.
14. It should be possible to control additional 2 cyclers (at least) through one instrument.
15. A compatible and suitable online UPS should be provided with the instrument.
16. The OEM should provide the warranty of three years on the equipment with an authentic certification from the principal company.
17. The participating vendor should be either principal manufacturer or an authorized distributor/dealer of the manufacturer of the equipment with proven after sales support and adequately-trained personnel.
18. The specifications should be authenticated by brochures and company website/catalog. Technical catalogue or brochure of the model must be provided. Instant preparation of the same based on the specifications provided and its onward submission will disqualify the bidder without any further communication.

19. The offered model should be ISO9001 and CE-certified or certified by an internationally recognized quality management system.
20. Should have at least 50 installations of this system in the country in last 5 years. Please provide references of at least 10 installations in the public sector for the same.
21. If the need be, the qualifying bidders may be required to place the demo model of the quoted equipment in the PI's lab or provide access within Delhi for testing the efficiency of the equipment. Based on the efficiency and the results obtained the technical committee may further disqualify the vendors and shortlist the vendors whose financial bid will then be opened.



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OTHER INSTRUCTIONS FOR THE BIDDERS

1.	<p>Due date: The tender has to be submitted online before the due date. The offers received after the due date and time will not be considered. <u>No manual bids will be considered.</u></p>
2.	<p>Preparation of Bids: The offer/bid should be submitted in two bid systems (i.e.) Technical bid and Financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items mentioned in the technical bid in the given format (Annexure V). The Technical bid and the financial bid should be submitted online. <u>The financial bids should be filled in the format as mentioned in the Annexure V. The bidders quoting in foreign currency are requested to quote CIF prices only.</u></p>
3.	<p>Opening of the tender: The online bid will be opened by a committee duly constituted for this purpose. Online bids (complete in all respect) will be opened as mentioned in “Annexure: Schedule”. The technical bid will be opened online first and it will be examined by a technical committee (as per specification and requirement). Based on the initial technical evaluation the qualifying bidders may be required to place the demo model in the PI’s lab/provide access to the quoted equipment in Delhi. During this period the equipment will be tested by running different combinations of template and primers. Based on the efficiency and the results obtained the technical committee has a right to further disqualify the vendors and shortlist the vendors whose financial bid will then be opened.</p>
4.	<p>Acceptance/Rejection of bids: The committee reserves the right to reject any or all offers without assigning any reason.</p>
5.	<p>Pre-qualification criteria:</p> <ol style="list-style-type: none"> 1. Bidders should be the manufacturer/authorized dealer. Letter of Authorization from original equipment manufacturer (OEM) on the same and specific to the tender should be enclosed. In case the equipment is quoted by the Indian subsidiary of OEM, a certificate from the OEM should be attached.

6.	<p>Force Majeure: The supplier shall not be liable for liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.</p>
7.	<p>Risk Purchase Clause: In event of failure of supply of the item/equipment within the stipulated delivery schedule, the purchaser has all the right to purchase the item/equipment from the other source on the total risk of the supplier under risk purchase clause.</p>
8.	<p>Delayed delivery: If the delivery is not made within the due date for any reason, the Committee will have the right to impose penalty 1% per week and the maximum deduction is 10% of the contract value/price.</p>
9.	<p>Prices:</p> <ol style="list-style-type: none"> 1. The price should be quoted in net per unit and must include all packing and delivery charges. <u>The prices should be quoted only in the format as provided in Annexure V.</u> 2. <u>The PCR machine should be quoted with 3 years of warranty. For finding the L1 bidder, quote of the machine and warranty will be considered.</u> 3. <u>Only CIF/CIP prices should be quoted by the bidders quoting in foreign currency.</u> 4. <u>In case of INR quotes, the offer/bid should be inclusive of all the taxes.</u> However, prices should be quoted without the reduced GST rates as Delhi University is exempted from higher GST rates and necessary certificate will be issued on demand.
10.	<p>Performance Bank Guarantee: The vendor, to whom order is placed, shall furnish a performance bank guarantee (issued by a scheduled bank) equaling to 10% of the total cost of the purchase order. The performance guarantee shall remain valid for the entire tenure of warranty period plus additionally for another 60 days.</p>
11.	<p>Insurance: For delivery of goods at the purchaser's premises, the insurance shall be obtained by the supplier in an amount equal to 110% of the value of the goods from "warehouse to warehouse" (final destinations) on "All Risks" basis including War Risks and Strikes. <u>The insurance should be up to the destination.</u></p>

12.	<p>Delivery and Documents:</p> <p>Delivery of the goods should be made within a maximum of 08 to 16 weeks from the date of placement of purchase order. Within 24 hours of shipment, the supplier shall notify the purchaser by cable/telex/fax/e-mail, and furnish the complete details of the shipping documents. The supplier shall mail the following documents to the purchaser with a copy to the insurance company:</p> <ol style="list-style-type: none">2. Insurance Certificate if applicable;3. Manufacturer's/supplier's warranty certificate;4. Inspection Certificate issued by the nominated inspection agency, if any5. supplier's factory inspection report; and6. Certificate of Origin (if possible by the beneficiary);7. Two copies of the packing list identifying the contents of each package.
13.	<p>Inspection and Tests: Inspection and tests prior to shipment of goods and at final acceptance are as follows:</p> <ol style="list-style-type: none">1. After the goods are manufactured and assembled, inspection and testing of the goods shall be carried out at the supplier's plant by the supplier, prior to shipment to check whether the goods are in conformity with the technical specifications attached to the purchase order.2. Manufacturer's test certificate with data sheet shall be issued to this effect and submitted along with the delivery documents. The supplier shall inform the purchaser about the site preparation, if any, needed for installation of the goods at the purchaser's site at the time of submission of order acceptance.

14.	<p>Resolution of Disputes: The dispute resolution mechanism to be applied pursuant shall be as follows:</p> <ol style="list-style-type: none"> 1. In case of dispute or difference arising between the purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or differences shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Vice Chancellor, University of Delhi and if he is unable or unwilling to act, to the sole arbitration of some other person appointed by him willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order. 2. In the case of a dispute between the purchaser and a foreign supplier, the dispute shall be settled by arbitration in accordance with provision of sub-clause (a) above. But if this is not acceptable to the supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) arbitration Rules. 3. The venue of the arbitration shall be the place from where the order is issued.
15.	<p>Applicable Law: The place of jurisdiction would be New Delhi (Delhi) INDIA.</p>
16.	<p>Right to Use Defective Goods</p> <p>If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the purchaser shall have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the purchaser's operation.</p>
17.	<p>Supplier Integrity</p> <p>The supplier is responsible for and obliged to conduct all contracted activities in accordance with the contract using state of the art methods and economic principles and exercising all means available to achieve the performance specified in the contract.</p>
18.	<p>Installation & Demonstration</p> <ol style="list-style-type: none"> 1. The supplier is required to perform the installation and demonstration of the equipment within one month of the arrival of materials at the site of installation, otherwise the penalty clause will be the same as per the supply of materials. 2. In case of any mishappening/damage to equipment and supplies during the carriage of supplies from the origin of equipment to the installation site, the supplier has to replace it with new equipment/supplies immediately at his own risk. Supplier will settle his claim with the insurance company as per his convenience. Department of Plant Molecular Biology, University of Delhi South Campus will not be liable to any type of losses in any form.
19.	<p>Insurance: For delivery of goods at the purchaser's premises, the insurance shall be obtained by the supplier in an amount equal to 110% of the value of the goods from "warehouse to warehouse" (final destinations) on "All Risks" basis including War Risks and Strikes. The insurance should be up to the installation site.</p>

20.	Warranty:
21.	Governing Language
22.	Applicable Law The contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to place of jurisdiction.
23.	Notices Any notice given by one party to the other pursuant to this contract/order shall be sent to the other party in writing or by cable, telex, FAX or e mail and confirmed in writing to the other party's address. A notice shall be effective when delivered or on the notice's effective date, whichever is later.
24.	Taxes Supplier shall be entirely responsible for all taxes, license fees, octroi, road permits, etc., incurred until delivery of the contracted goods to the purchaser. The purchaser will pay the custom duty directly to the Customs and Excise Department, Government of India after the supplier provides proper documentation. Penalty imposed due to delay in providing the documents will be responsibility of the supplier.

25.	<p>Duties</p> <p>University of Delhi is exempted from paying custom duty (partially or full) and necessary “Custom Duty Exemption Certificate” can be issued after providing following information. Custom Duty Exemption Certificate will be issued only for the value of the imported equipment, and under no circumstances certificate will be issued to third party. The duty will be paid directly to the Government of India.</p> <ol style="list-style-type: none"> 1. Shipping details i.e. Master Airway Bill No. and House Airway No. 2. Forwarder details i.e. Name, Contact No., etc. <p>University of Delhi is exempted from paying increased GST rates and an exemption certificate be provided for which following information will be required.</p>
26.	<p>Payment</p> <ol style="list-style-type: none"> 1. For imported items as well as indigenous supplies, 100% payment shall be made by the purchaser against delivery, inspection, successful installation, commissioning and acceptance of the equipment at Department of Plant Molecular Biology, University of Delhi South Campus in good condition and to the entire satisfaction of the purchaser.
27.	<p>User list: Brochure detailing technical specifications and performance, list of industrial and educational establishments where the items enquired have been supplied must be provided.</p>
28.	<p>Manuals and Drawings</p>
29.	<p>Application Specialist: The tenderer should mention in the technical bid the availability and names of application specialist and service engineers in the nearest regional office.</p>
30.	<p>Site Preparation:</p> <ol style="list-style-type: none"> 1. The supplier shall inform to the Institute about the site preparation, if any, needed for the installation of equipment, immediately after the receipt of the purchase order. The supplier must provide complete details regarding space and all the other infrastructural requirements needed for the equipment, which the Institute should arrange before the arrival of the equipment to ensure its timely installation and smooth operation thereafter.

31.	<p>Spare Parts</p> <p>In the event of termination of production of the spare parts:</p> <ol style="list-style-type: none"> 1. Advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and 2. Following such termination, furnishing at no cost to the purchaser, the blueprints, drawings and specifications of the spare parts, if requested.
32.	<p>Defective Equipment: If any of the equipment supplied by the Tenderer is found to be substandard, refurbished, un-merchantable or not in accordance with the description/specification or otherwise faulty, the committee will have the right to reject the equipment or its part. All damaged or unapproved goods shall be returned at suppliers cost and risk and the incidental expenses incurred thereon shall be recovered from the supplier. Defective part in equipment, if found before installation and/or during warranty period, shall be replaced within 45 days on receipt of the intimation from this office at the cost and risk of supplier including all other charges. In case supplier fails to replace above item as per above terms & conditions, University of Delhi may consider "banning" the supplier from future participations in the tenders.</p>
33.	<p>Termination for Default</p> <ol style="list-style-type: none"> 1. The purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, terminate the contract in whole or part: 2. If the supplier fails to deliver any or all of the goods within the period(s) specified in the order, or within any extension thereof granted by the purchaser; or 3. If the supplier fails to perform any other obligation(s) under the contract. <p>For the purpose of this clause:</p> <ol style="list-style-type: none"> 1. “Corrupt practice” means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.

34.	Training of Personnel: The supplier shall be required to undertake to provide the technical training to the personnel involved in the use of the equipment at the premises of installation site, immediately after completing the installation of the equipment for a minimum period of one week at the supplier's cost.
35.	Disputes and Jurisdiction: Any legal disputes arising out of any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located within New Delhi.
36.	Compliance certificate: This certificate must be provided indicating conformity to the technical specifications.
37.	<p>List of Annexures to be submitted by the bidder:</p> <p>Annexure I: Compliance Sheet</p> <p>Annexure II: Organization Declaration Sheet</p> <p>Annexure III: List of organizations/clients where the same products have been supplied</p> <p>Annexure IV: Technical documents in support of the technical specifications</p> <p>Annexure V: Format for submission of price bid</p>

COMPLIANCE SHEET

Indicate the compliance as per the technical specifications mentioned in the tender

S. No.	Modules/Parts as per the technical specifications mentioned in the Tender	Compliance (Y/N)
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1.	Supply and installation of 96-capillary PCR machine as per the specifications	
2.	Total 3 years warranty inclusive with the machine	
3.	Supply of a compatible 30 min backup online UPS	
4.	Certificate of at least 50 installations of same model in India during last 5 years and user certificates from at least 10 users	
5.	Absolute conformity with the technical specifications	
6.	Compliance with the terms and conditions of the tender document	

I have also enclosed all relevant documents in support of my claims (as above) in the following pages

Signature of the Bidder

Name of the Bidder:

Designation:

Name of the Organization:

Contact No.:

**ORGANIZATION LETTERHEAD
DECLARATION**

We, ----- hereby certify that all the information and data furnished by our organization with regard to this tender specification are true and complete to the best of our knowledge. I have gone through the specification, conditions and stipulations in details and agree to comply with the requirements and intent of specification.

This is certified that our organization has been authorized (Copy attached) by the OEM to participate in tender. We further certified that our organization meets all the conditions of eligibility criteria laid down in this tender document. Moreover, OEM has agreed to support on regular basis with technology/product updates and extend support for the warranty.

The prices quoted in the financial bids are subsidized due to academic discount given to University of Delhi.

<p>We, further specifically certify that our organization has not been Black Listed/Delisted or put to any Holiday by any Institutional Agency/ Govt. Department/Public Sector Undertaking in the last three years.</p>	<p>Name and address of the Vendor/Manufacturer/Agent:</p>
<p>Phone</p>	
<p>Fax</p>	
<p>E-mail</p>	
<p>Contact Person</p>	
<p>Mobile Number</p>	
<p>TIN Number</p>	
<p>PAN Number</p>	

Signature of the Tenderer

Name:

(Seal of the Company)

List of Government Organizations/Departments

<p>List of Government Organizations for whom the Bidder has undertaken such work during last three years (must be supported with work orders)</p>		
<p>Name of the Organization</p>	<p>Contact Person</p>	<p>Contact Number</p>

Name of application specialist / Service Engineer who have the technical competency to handle and support the quoted product during the warranty period.

Nature of the Job (Application Specialist/Service Engineer)	Name of the Person	Contact Number

Signature of the Bidder

Name of the Bidder
Designation

Name of the Organization

Contact No

CHECKLIST OF THE DOCUMENTS REQUIRED FOR ONLINE SUBMISSION

The online bids should be submitted in two covers as explained below:

DOCUMENTS IN COVER –I (FOLLOWING DOCUMENTS TO BE LOADED AS A SINGLE PDF FILE)				
S. No.	DOCUMENTS	CONTENTS	FILE TYPE	CHECKLIST (Y/N)
1.	TECHNICAL BID	Compliance Sheet as per Annexure I	A single PDF file for all the documents	
2.		Organization Declaration Sheet as per Annexure II		

3.		List of organizations/ clients where the same products have been supplied (in last two years) along with their contact number(s). (Annexure-III)		
4.		Technical supporting documents in support of all claims made at Annexure-I (Annexure-IV)		
DOCUMENTS IN COVER –II (FINANCIAL BID TO BE SUBMITTED IN THE FORMAT OF ANNEXURE-V)				
1.	FINANCIAL BID	The Financial Bid should be submitted in the format described in Annexure-V	PDF	