

Notice Inviting Open Tender for:
Supply, Installation, Commissioning & Training of a qPCR System With Accessories
At the Indian Institute of Science, Bangalore

(Tender from Domestic Vendor and Suppliers)
Bids are invited from domestic OEM / authorized distributor of domestic OEM

Last date of Submission May 15, 2024

Date: April 24, 2024

Dear Sir/Madam:

Please send your tender documents valid for 90 days from the actual date of opening the technical bid, for the supply of equipment described below. Your documents/quotation should clearly indicate the terms and conditions of the quotations, delivery schedule, entry tax, payment terms, warranty coverage etc. The tender should be submitted in two separate sealed envelopes – one containing the “Technical bid” and other containing the “Commercial bid”, both of which should be duly signed and must reach the undersigned on or before 16:00 hours May 15, 2024. Please provide your contact details so that we can get in touch with you and set-up appointments for opening the bids.

The primary interest of the Centre is the procurement of a qPCR system with accessories, i.e., Quantitative PCR or Real-Time PCR, along with Thermal Cycler, Laptop or equivalent hardware interface, Software, and table-top non-refrigerated Centrifuge. Any vendor(s) who are not local manufacturers of qPCR and these accessories should NOT submit a bid.

Mailing Address:

The Chair, Centre for Ecological Sciences
Indian Institute of Science,
Bangalore 560012, Karnataka, India.
Attention: Dr. Sumanta Bagchi

Email Addresses: chair.ces@iisc.ac.in; sbagchi@iisc.ac.in

Section 2 - Eligibility Criteria

With respect to this tender, the rules laid out by the Government of India in order No. P-45021/2/2017-PP (BE-II) issued by the Public Procurement Section, Department of Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, dated 16th September 2020, will be followed. Per this order, only Class-I and Class-II local suppliers as defined below are eligible to participate in this open domestic tender. Non-local suppliers are ineligible to participate in this tender.

Relevant definitions as per Government of India order:

- Class-I local supplier - a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50%.
- Class-II local supplier - a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%.
- Non-local supplier - a supplier or service provider, whose goods, services or works offered for procurement, has local content less than 20%.
- Local content – the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all custom duties) as a proportion of the total value, in percent.

Only Local Suppliers are eligible to participate in the bid. The bidders must go through the Government of India order stated above and follow all the rules and regulations therein. The covering letter should clearly indicate whether the vendor is a Class I or class II local supplier, failing which the bid will be automatically disqualified.

Section 3 – Technical Specifications

qPCR System:

A qPCR System, i.e., real-time PCR, with accessories (laptop or equivalent computer data interface, independent thermal cycler, non-refrigerated table-top centrifuge), capable of detecting the quality and purity of target DNA samples followed by quantitative analysis of the polymerase chain reaction (PCR) of the target DNA samples obtained from environmental samples such as microorganisms in soil or water. The primary application of the instrument at IISc will be quantitative analysis of the polymerase chain reaction (PCR) at varying temperatures for research applications. The qPCR system should have the following specifications:

I. Instrument Specifications:

1. **Number of wells:** The instrument should have a 96-well block.
2. **Reaction volume:** The instrument should be able to run reactions between 10 to 100 microliters.
3. **Optical detectors:** The instrument should have multiple filters, preferably five or more, for a broad range of excitation/detection wavelengths,
4. **Multiplexing:** The instrument should be capable of multiplexing up to six DNA targets
5. **Temperature sensitivity:** The instrument should be capable of maintaining temperature variability less than 0.5 °C in blocks with an accuracy of 0.5 °C, or better.
6. **Compatibility:** The instrument should be compatible with multiple dyes (e.g., SYBR Green, MUSTANG PURPLE, etc.) and compatibility should clearly reflect the optical specifications above.

7. **Independent Thermal Cycler:** Instrument should come with an accessory Thermal Cycler which can be used to detect the quality and purity of DNA targets with PCR reactions prior to qPCR runs. The thermal cycler should provide opportunities for internal quality controls and standards using 96-well blocks alongside the qPCR for the same DNA target set at comparable reaction conditions. Temperature functionality of the accessory Thermal Cycler should be comparable to the qPCR.
8. **Reaction reagents:** The qPCR and Thermal Cycler should both come with full sets of reaction mix, necessary plasticware, kits, etc.
9. **Data interface:** The qPCR and Thermal Cycler should come with accessory computer interface devices such as laptop or an in-built interface, alongside all necessary software.
10. **Table-top non-refrigerated Centrifuge:** The instrument should come with an accessory centrifuge that can process reaction tubes between 0.5 and 2.0 mL in volume, preferably in the same rotor. The centrifuge should be capable of generating 12000g force, or greater.

II. Instrument Performance:

1. Quotation should include full specification of the qPCR System performance, including: (i) rate of temperature warming during reaction sequence, (ii) typical run time for reactions, (iii) ease of operation of the hardware and software; (iv) size/footprint of the instrument(s). The service engineer should carry out various performance parameters of the instrument(s) according to those mentioned in the brochure and/or quoted in the technical bid submitted by the vendor, whichever is better both at factory before delivery and at IISc after delivery. Towards this the supplier should provide test certificates.
2. Quotation to include clear, unambiguous statements of expected routine performance of the instrument(s) while analyzing different types (as mentioned before) of sample.

III. Peripherals and Spares:

The offer should include all the required peripherals/ spares/ consumables for seamless performance of the system (e.g., electrical power chords, data cables, etc.). A list of peripherals consumables should be provided.

IV. ADDITIONAL REQUIREMENTS:

1. The technical specifications listed above are a minimum indicative. The ease of operation and maintenance, the ability to integrate state-of-the-art technology, and after-sales service facilities are some of the key factors in the evaluation process. **Bids showcasing deprecated instruments that are no longer in production (e.g., relic models), or those that have been demonstrably superseded by more accurate and reproducible technologies in the primary functional performance to quantify the polymerase chain reaction, will be automatically disqualified.**
2. **The details, credentials, and experience of trained service engineers and technicians for the instrument(s) who are currently on roll in Bangalore or at the nearest service hub in India should be submitted with the bid.**
3. Quotation should include all costs including taxes, and logistics such as transport/freight, required to complete the installation at IISc.
4. The Vendor should certify and confirm availability of spares, service support, both hardware and software upgradation, for at least five years from the year of installation.
5. List of select user laboratories of an instrument of similar configuration and scientific application must be provided with the contact details (e-mail) of the person-in-charge of the instrument, model and date of installation.
6. IISc may opt for demonstration of any technical specifications and performance of the quoted

model, at any available user site in India or at the factory / preferred demonstration site for the company, as a part of technical evaluation.

V. Training

After the successful installation of the qPCR and its accessories, selected personnel from IISc should be provided with hands-on and in-depth training on the operation, maintenance, and application of the instrument by the factory engineer. The cost of an on-site training session should be part of the bid.

VI. Warranty (to be quoted as a separate item)

Supplier should provide comprehensive onsite warranty (including parts and labor) for 1+2=3 years (36 months), to be executed in a 1-year (manufacturer warranty) plus 2-year (extended warranty) fashion, including all items after successful installation of the system. The supplier should also quote for annual service maintenance contract (breakdown visits and two preventative service visits) for the next five years after the warranty period.

VII. Pre-installation Guideline

A comprehensive guideline/list of requirements for site preparation, installation of pre-installation infrastructure with their specifications is to be provided by the manufacturer.

VIII. Installation:

The complete installation of the supplied INSTRUMENT system should be carried out by the factory engineer. All the expenses including travel, accommodation etc. towards this should be included in the bid. It is the responsibility of the vendor to ensure that all of the required accessories and ancillary items are included in the quotation for carrying out the installation, standardization, optimization and calibration of the instrument. The supplied system should be complete in itself in all respect to take up the sample analysis at IISc.

Section 4–Terms and Conditions

1. Quote should come only from Indian Original Equipment Manufacturer (OEM) or their Indian authorized distributor.
2. Bidders offering imported products will fall under the category of non-local suppliers. They cannot claim themselves as Class-1 local suppliers/Class-2 local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training, and other sales service support like AMC/CMC, etc., as local value addition.
3. Purchase preference as defined by the recent edits to GFR (within the “margin of purchase preference”) will be given to the Class-1 supplier.
4. MSMEs can seek an exemption to some qualification criteria. IISc follows GFR2017 for such details.
5. The tender bid document should be in English and be submitted in **two bid system, i.e., Technical bid, and Commercial bid in two sealed envelopes with commercial or technical bid clearly indicated on the envelope**. These two sealed envelopes should be placed within a larger envelope and “qPCR and Accessories – Sumanta Bagchi, Centre for Ecological Sciences, IISc” should be written on the outer envelope.
6. The technical bid must include all details of technical specifications of the instrument along with commercial terms and conditions masking only the price component. Bill of materials, brochures, technical datasheets, and any other document may be enclosed to help the evaluation of the

technical bid. Please also include warranty terms and any other information on upgradation terms/extra accessories in the technical bid.

7. The technical bid must clearly state the specifications of the main instrument along with the accompanying standard items and all other details including the warranty terms as specified in section 3 of this document.
8. The commercial bid must include the base price of the instrument delivered in place and all components including controller accessories plus any additional GST component.
9. The commercial bid must indicate detailed component-wise and itemized price breakup and must include optional items/accessories.
10. Bidder should have well established own establishment. Enclose Company Registration Certificate, PAN, 3 years of audited balance sheets and turnover.
11. **The covering letter in the technical bid should clearly mention whether the vendor is a Class I or Class II local supplier, failing which the bid will be automatically disqualified.**
12. In the technical bid include the complete details all components of the main instrument and the accessories as to whether they are sourced locally or foreign made/imported along with the manufacturer and sourcing details.
13. The 'Class-I local supplier/Class-II local supplier' is required to indicate the percentage of local-content and provide self-certification that the item offered meets the local content requirement for 'Class-I local supplier/Class-II local supplier' as the case may be. They shall also give details of the location(s) at which the local value addition is made.
14. The vendor should provide detailed cost breakup for the Indian and foreign content of the bid in the commercial bid proving their status as a Class I or Class II local supplier. Vendors who do not provide such justification in the commercial bid will be automatically disqualified.
15. In case if there are any imported/foreign made components, the commercial bid must indicate procurement price from the manufacturer and any import duties incurred. IISc will not be responsible for any import duties.
16. The vendor should have a good track record of having previously supplied similar equipment in India or elsewhere in the world (Please furnish complete details including names and contact addresses). Reference letters may be sought by IISc to arrive at the decision.
17. The vendor should have qualified technical service personnel for the instrument based in Bengaluru.
18. Bidder should have executed at least three orders of similar instrument in India in the last 2 years. (Please provide details).
19. The Bidder should not be currently blacklisted by any institution or bank in India or abroad (Please provide self-declaration).
20. No advance payment will be made, the payment will be made after delivery and installation of equipment.
21. Agency commission (not encouraged) if any should be clearly mentioned and detailed in the commercial bid.
22. The lead time for the delivery of the equipment should be less than two months from the date of receipt of purchase order and must be mentioned in the technical bid.
23. If the equipment or any parts/accessories are found to be defective, they must be replaced or rectified at the cost of the supplier within 30 days from the date of receipt of written communication from us. If there is any delay in replacement or rectification, the warranty period needs to be extended by a year and/or face a penalty equal to the valuation of the equipment.

24. The technical bid will be opened first and evaluated.
25. Bidders meeting the required criteria as stated in Sections 2 and 3, of this document as well as the terms and conditions shall only be considered for Commercial Bid opening. Further, bids that do not furnish the documentary evidence as required will not be considered.
26. Following the opening of technical bid, a presentation may be sought from the bidder.
27. During the warranty period, the bidder shall be fully responsible for the manufacturer's warranty in respect of proper design, quality, and workmanship of all the systems supplied. If there is any delay in replacement or rectification, the warranty period needs to be extended by a year and/or face a penalty equal to the valuation of the equipment.
28. During the warranty period, the bidder shall attend to all the hardware problems on site and shall replace the defective parts at no extra cost to the purchaser.
29. The Engineers of the parent manufacturer or bidding firm must install, demonstrate, and provide the training on qPCR System for two days at IISc, Bangalore without additional cost.
30. The bids should be valid for at least 90 days from the last date of submission of the quotation.
31. The price should be quoted in INR only. The cost should be inclusive of delivery at IISc campus. Price offer must be on FOR-IISc Bangalore basis.
32. The decision of the purchase committee will be final.
33. IISc, Bangalore reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time to award of construct without thereby incurring any liability of the affected bidder or bidders.
34. Tender documents that do not satisfy the "Terms and Conditions" listed herein will be disqualified.
35. The tender documents should be sent to the following address no later than 15/5/2024 4:00 PM IST.

The Chair, Centre for Ecological Sciences
Indian Institute of Science,
Bangalore 560012, Karnataka, India.
Attention: Dr. Sumanta Bagchi