

DOMESTIC TENDER

1st September 2021

TO WHOM IT MAY CONCERN

A request for quote for the supply of a quantitative Realtime Analysis Thermal Cycler (qRT-PCR) at the Department of Microbiology and Cell Biology (MCB) at the Indian Institute of Science, Bangalore. The proposals should be submitted by 5 pm on 21st September 2021.

Quotes should be submitted only by domestic (Indian), Original Equipment Manufacturers (The vendors should clearly specify the percentage of parts which are made in India as per GOI guidelines).

Terms and Conditions

1. The quotations should be submitted in two bids i.e., Technical bid and Commercial bid.
 - a. The technical bid must include details of all technical specifications of the instrument (detailed below) 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 in the technical bid.
 - b. The commercial bid must include the price of the instrument indicating break up of:
 - I. For goods:
 - i. Installation, commissioning and training charges, including any incidental expenses if any
 - ii. Agency commission charges, if any.
 - iii. Provide certificates for country origin of manufacturing for each line item.
 - II. Price of every line item in the commercial bid should be quoted along with the total quoted price for the instrument to be operational (fixed and ready to use) in our facility.
 - c. Both the Technical and Commercial bid should be put in separate sealed envelopes and put together in another cover stating, “qRT-PCR”.
2. All components listed for the equipment must come from a single vendor, and functional integration of all parts is necessary. The vendor should have a good track record of having previously supplied a qRT-PCR in India or abroad (please furnish details).
3. The vendor should have qualified technical service personnel based in Bangalore capable of servicing the equipment.
4. The quotations should be on Freight on Road (FOR)-IISc Bangalore basis in INR only.
5. The lead time for the delivery of the equipment should not be more than two months from the date of receipt of purchase order.
6. The validity period of the quotation should be 90 days.

7. If the goods 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 should be correspondingly extended.
8. The purchaser 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.
9. The technical proposal should contain a compliance table beside the technical specifications listed in the description section below.
10. The compliance table should include all the items and in the same order. The first column should describe your compliance in a “Yes” or “No” response. If “No,” the second column should state the extent of the deviation. The “third” column should state the reasons for the deviation, if any. The fourth column can be used to compare your solution with that of your competitors or provide details as requested in the technical requirements table below.

	Description	Specifications
1	Quantitative Real-time PCR machine	Quantitative real-time PCR machine 4-color 384-well plate format with dynamic range of minimum 10 orders of magnitude.
Basic Technical Specification		
2	Capacity	Optical reaction modules should be interchangeable so that the instrument base can be converted between any of the following formats: 96 Well, 384 Well, 96 Deep Well, by exchanging the optical reaction module unit.
3	Colors	System should be able to detect minimum 4 different fluorescent reporters in the same tube without the need of addition of any internal reference dye.
4	Cycling rates	Fast cycling compatible (up to 40 cycles in 40 minutes)
5	Temperature ramping	Fast ramping, Maximum rate 2.5°C/sec. System should have Reduced-mass honeycomb sample block-fast ramping and settling produce the shortest time to target temperature.
6	Temperature uniformity	System should have Peltier heating and cooling for uniform temp control with an uniformity of ± 0.4 well-to-well within 10 sec of arrival at 90°C
7	Gradient function	True Thermal gradient to allow optimization of multiple temperatures in a single assay. Temperature differences of up to 24°C front-to-back must be feasible to create in 8 row wise.
8	Optics	Factory-calibrated Optics shuttle with no periodic calibration which independently illuminates and detects fluorescence from each well with five filtered LEDs for illumination and differentially detects emission using five

		filtered photodiodes one for each channel.
9	Lid	Automated lid that opens, closes, and can apply sealing force to reaction wells (temperature up to 105°C)
10	Software	System should be supplied with licensed free software with multiple users
11	Calibration	The system should preferably be calibration-free and should not require internal dyes like Rox
12	Additional components	Must include suitable computer and 2KVA UPS with 30min backup

Commercial Terms and Conditions		
1	Customer base	Item must have been supplied to laboratories in the Karnataka area with minimum 50 installation and user list to be attached.
2	Warranty and AMC	Minimum 3 years warranty Desirable 5 years warranty
3	Payment Terms	Payment terms should be specified in the commercial proposal
4	Support	Please provide details of the number of trained personnel in India who can provide support in the same time zone +/- 3 hours
5	References	Please provide a list of two references from India and/or abroad
6	Shipping	Please specify shipping cost and insurance till site
7	Breakdown addressing	Within 24 hours of complaint registrations

The above-mentioned technical specifications are highly desirable. However, the Institute reserves the right to go for lower specifications taking into considerations its financial constraints and technical preferences.

Please address the quotations to:



Prof. Usha Vijayraghavan,
 Department of Microbiology and Cell Biology,
 Indian Institute of Science,
 Bangalore 560012 India
 Ph: +91 80 2293 2681/3371