

UNIVERSITY OF JAMMU
SCHOOL OF BIOTECHNOLOGY, UNIVERSITY OF JAMMU-180006

School of Biotechnology, University of Jammu, Jammu & Kashmir is interested in the purchase of **REAL TIME PCR MACHINE** as per specifications given in the Annexure 1. The Department invites sealed bids / tenders bids from reputed Manufacturers or their Authorized Distributors / Dealers for Supply, Installation and Training of **REAL TIME PCR MACHINE**. Interested parties may submit their sealed bids online as per Technical Specifications given at Annexure 1 and General Terms & Conditions given at Annexure II. The tender will be published online on <https://jktenders.gov.in>. The TECHNICAL BID and PRICE BID has to be submitted online before the due date i.e. **05/03/2021**, Whereas hard copy of the TECHNICAL BID along with EMD has to reach to the office of the Director, School of Biotechnology, University of Jammu, Jammu 180006 before the due date in a sealed envelope (duly superscripted with Tender No. and date).

For any query pertaining to this tender contact Professor B. K. Bajaj, School of Biotechnology University of Jammu, Jammu 180006.

The technical bid will be evaluated first and price bid will be opened only in respect of those Vendors, who are found technically qualified after evaluation of Technical Bid. The Technical bid will be opened on **08/03/2021** in the School of Biotechnology, University of Jammu, Jammu - 180006

Director
School of Biotechnology,
University of Jammu, Jammu - 180006

Ref. No. JU/SBT/2021/3096
Dated: 12-02-2021

Annexure-I

Item No	Equipment	Quantity	Technical Specification
1	<u>REAL TIME PCR MACHINE</u>	1	<u>THESE ARE THE MINIMUM SPECIFICATIONS. EQUIPMENTS WITH BETTER SPECIFICATIONS WOULD ALSO BE CONSIDERED.</u>
			<p><u>Specifications for REAL TIME PCR MACHINE</u></p> <p>Item: An integrated system designed to perform Real Time PCR and post PCR end-point analysis. System should have 10GB or more onboard memory of at least 1000-2000 runs with USB.</p> <p>Remote Monitoring: System should have an option to analyze data by online web browser based software or cloud based in which user can access data with any browser or any device at any place. Applications: Provide specialized application of absolute quantitation, relative quantitation, allelic discrimination/SNP detection and plus/minus assays that utilize internal positive controls, Pathogen detection multi-plate with multiplex capability for gene expression/genotyping study. System should also be able to perform protein analysis applications.</p> <p>Excitation Source: LED light source</p> <p>Detection System: Photodiode/ CMOS/CCD</p> <p>Multiplexing: Atleast 5 targets or multiplexing</p> <p>Block Format: <u>Peltier based 384 well block format</u></p> <p>Plastic ware supported: 384 well plate</p> <p>Reaction Volume: 5ul to 20ul</p> <p>Sensitivity: System should detect differences in target quantity as small as 1.5-fold in singleplex reactions.</p> <p>Dynamic Range: 10 order of magnitude</p> <p>Ramp rate: More than <u>6.0 degree c/sec or better</u>, the ramp rate should be manually user adjustable</p> <p>Temp range: 4 - 100 °C</p> <p>Open system: System should support third party reagents, plastic wares and dyes</p> <p>Run Time: < 30 min</p> <p>Capability with New dyes: Systems should be easily calibrated with new dyes without any filter or hardware change</p> <p>Software: Instrument software should utilize an algorithm to provide solution for multiple dye signals. Also Vendor should supply below software along with</p>

			<p>system</p> <ul style="list-style-type: none">• RQ Software for simultaneously Visualize and analyze unlimited number of 384-well plates of gene expression data• statistical analysis tools - Whisker plots, scatter plots and heat maps <p>Consumable support: should support SYBR green and inventoried Taqman assay (MGB probes) chemistries.</p> <p>Warranty: 2 years</p> <p>Essential Accessories: Vendor should provide a branded Desktop/Laptop for Data Analysis along with the system.</p>
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Annexure-II

General terms and conditions

1. Rates should be F.O.R. Jammu University Campus.
2. In case of foreign manufacturer kindly quote F.O.R Jammu University Campus in foreign currency. Also quote tentative charges for custom Duty, Clearance charges and Transportation and Insurance up to Jammu separately.
3. Goods must conform to our indicated specifications. Detailed technical and other specifications / literature must be enclosed.
4. Indicate concessional rates of tax for educational institutions. The GST rates must be clearly mentioned separately.
5. The submission of the tenders will be online. The Technical Bid and Price bid has to be submitted online on www.jktenders.gov.in. Whereas the hard copy along with EMD has to be submitted offline on or before due date in a sealed envelope.
6. Earnest Money Deposit (EMD) 2% of estimated price to be submitted along with commercial bid. Bids without EMD will be rejected.
7. The warranty of the product should be at least five Year.
8. The rates should be valid for 120 days. Both technical bid and the commercial bid addressed to undersigned and duly sealed /signed and tapped with official stamp should reach this office latest by **05/03/2021**.
9. Bidder should submit Purchase orders and / user List as a proof of the dealing with other Government organizations / Institutions. The date of the supply order should be within last Three years from the date of publishing the BID.
10. Bidder should submit Valid Authorization Certificate from OEM for each against this NIT.
11. The firm/bidders should provide non blacklisting certificate mentioning it should not have criminal records/cases/activities.
12. Reports on Financial standing of the bidder such as profit and loss statement, balance sheet and auditor reports for the past three years, banker's certificate etc. should be provided by the bidders.
13. The bidder's firm should be established since last 5 years Documentary Evidence to be submitted along technical BID.
14. The bidder should have enough strength of people for the after sales support with their branch offices near to Jammu/Chandigarh. The details of Service Centre and Office addresses along with Service personnel need to be shared for the verifications.
15. Self-attested copies of GST and PAN card and Firm registration certificates to be submitted.
16. The bidder should have ISO or equivalent quality Certification.
17. The delivery, installation and operational training of the instruments/equipment should be completed within 45 days from placing of the order failing which the bank guaranty shall be retained by the Department.
18. The successful Bidder must provide Bank Guarantee equivalent to 3% of the cost of equipment to the Value of Order from Nationalized or Scheduled bank.
19. All Documents submitted in technical BID should be self-Attested (Signed and Stamped).
20. Training should be provided onsite.