|  |  |  |  |
| --- | --- | --- | --- |
| S.No | Specifications for Real Time PCR  | Creteria Matching (Yes/No) | Remarks |
| 1 |  The system should be automated for both real-time PCR and post-PCR (end point) analysis using Peltier based heating & cooling system. |   |   |
| 2 |  System should support applications including absolute quantitation, simultaneous analysis data for relative quantitation of 384 wells each, (4-6 colour multiplexing) and dissociation curve analysis. |   |   |
| 3 |  Instrument should have 384 well sample block of 5 – 20 μL capacity, able to run fast and standard run on the same block. It can also have 6 separate Peltier-controlled blocks with a fixed gradient with a 25-degree range. |   |   |
| 4 |   The system should have LCD touch display with USB interface to export the data. |   |   |
| 5 |  The temperature range of the thermoblock should be 4°C to 99°C with accuracy of ±0.25°C. |   |   |
| 6 |  The system should have complete solution for Fast Real time PCR machine: Fast instruments, Fast reagents, Fast protocols and Fast assays. Fast-PCR in less than 35 minutes should be an integral feature of the system. |   |   |
| 7 |   The excitation source should be LED/Laser and the detection system should be simultaneous and scan-free for all wells CMOS detection. There should be enough excitation and emission filters (at least 5) to cover majority of dyes. |   |   |
| 8 |   System should support reaction volume in the range of 2-30 μL or better. |   |   |
| 9 |  System should be capable of generating MIQE compliant RDML formatted data. |   |   |
| 10 | The instrument should have software that can analyze multiple perspectives in the Multiple Plots view, with side by side views of all data aspects including the amplification plots, standard curve, multicomponent data plots, and raw data. The system should give heat map of the amplification & analyzed data. Software should have PCR efficiency factor correction for gene quantification. |   |   |
| 11 | The system should along with software to support applications including absolute quantitation, Relative quantitation, multiplex-PCR, allelic discrimination (SNP), melt curve analysis as well as pathogen detection, plus/minus assay & Melting curve analysis for gene & mutation screening. |   |   |
| 12 | System should be compliant with 21 CFR part 11. |   |   |
| 13 | system should be completely open system to support all the Real Time PCR chemistry like TaqMans, SYBR Green, Simple & Hydrolysis Probes, and Molecular Beacons etc. |   |   |
| 14 |   The system should be capable of detecting even 1 copy in a single reaction tube without passive reference dye. |   |   |
| 15 | System should detect differences in target quantity as small as 1.5-fold in singleplex reactions, and should have 9-10 logs of linear dynamic range. |   |   |
| 16 | The system should be supplied with latest configuration branded laptop system (with locking machanisium for labtops for security purpose )(16 GB RAM, 512 SSD, intel-i7, Window-10) for operating the system. |   |   |
| 17 | The system should work on 230V,50Hz |   |   |
| 18 | User/Technical/Maintenance manuals, Certificate of calibration and inspection from factory to be supplied with system. |   |   |
| 19 | The system should be supplied with all the accessories required for operating and functioning the system. |   |   |
| 20 | Unpacking  and shifting of the instrument including manpower during installation must be in the vendor scope. |   |   |
| 21 | Min.3 Customer satisfactory / performance certificate for specific quoted model from the end user should be included in the quote. |   |   |
| 22 | Warranty 5 years including all spares , PM kit and calibrations of instrument on regular basis as and when required. |   |   |
| 23 | **\*AMC Charges**  |   |   |
|   | AMC Charges for Sixth year after expiry of warranty period |   |   |
|   | AMC Charges for Seventh year after expiry of warranty period |   |   |
|   | AMC Charges for Eight year after expiry of warranty period |   |   |
|   | AMC Charges for Ninth year after expiry of warranty period |   |   |
|   | AMC Charges for Tenth year after expiry of warranty period |   |   |
|   | **\*CMC Charges** |   |   |
|   | CMC Charges for Sixth year after expiry of warranty period |   |   |
|   | CMC Charges for Seventh year after expiry of warranty period |   |   |
|   | CMC Charges for Eight year after expiry of warranty period |   |   |
|   | CMC Charges for Ninth year after expiry of warranty period |   |   |
|   | CMC Charges for Tenth year after expiry of warranty period |   |   |
|  | **Application** |  |  |
|  | **Genotyping & Genomic Profiling, Digital PCR Real Time PCR (qPCR), Real Time PCR-Based Gene Expression Profiling** |  |  |
|  |  |  |  |

Dear Sir / Madam,

Sub: Request for Sealed Quotation for “Real Time PCR ", Due date : 13.9.2021

Note:- You can submit you sealed bid, by hand, by courier or by email with encrypted document

Password will be required at the time of opening of bid.

1. This is in reference to the procurement of " Real Time PCR ", Due date : 13.9.2021 please find attached description of the item with the required specification and quantities. We would like to invite you to submit your best price you can offer for this item.

2.. Price

\* The Contract/PO will be issued for the complete assignment.
\* The rates quoted by the Agency / Supplier shall be fixed for the duration of the Contract and shall not be subject to adjustment on any account.

3. Submission of Quotation

\* **You are requested to submit the Technical Specification and Financial proposal Separately in sealed envelopes considering all aspects related to this assignment.**
\* Strict compliance with the requirements of the invitation and any supplementary instructions which may accompany the invitation is required to be adhered to.
\* You are requested to submit your quotation latest by **13-09-2021 by 5.00 PM**.
\* Proposal (Quotation) received after the prescribed deadline will not be considered.
\* The Agency / Consultant / Supplier should send quotation in sealed envelopes address to below given address.
\* The outer envelope must indicate the name and address of the Agency / Consultant / Supplier and it should be written clearly for " Real Time PCR ", Due date : 13.9.2021.

\* International Centre for Genetic Engineering and Bio Technology Shall not be held responsible for delivery of quotation to the wrong address and for any postal delay or for loss in transit.
\* Those who do not want to submit their offer against this enquiry must send their regret letter using email.
\* A technical compliance sheet should be enclosed in the technical proposal, giving details requested, specification offered against that with remarks..
\* The offer must have all accessories which are required to make the system complete.
\* You can submit sealed quotation in Foreign Currency/INR. It must include:
1. Net Price after discount

2.. Brand
3. Grand Total.
4. Delivery Time
5. Validity Of the quotation
6 Incoterms shall be FOR, ICGEB  or CIP, The Custom clearance shall be managed by ICGEB.

\* List of users in India must be given along with main technical offer

4. Completion of the Assignment

The supplier needs to complete the delivery and submit the final report within the timelines. Any deviation in the timelines without prior concern of ICGEB is not accepted.

5. Validity of Quotation
Quotation shall remain valid for a period of minimum 90 days after the deadline date specified for submission.

6. Award of Purchase Order
\* The supplier will be selected based on the evaluation committee of “International Centre for Genetic Engineering and Bio Technology”..
\* Notwithstanding the above, the International Centre for Genetic Engineering and Bio Technology reserves the right to accept or reject any quotation and to cancel the procurement process and reject all quotations at any time prior to the award of Contract.
\* The supplier whose quotation is accepted will be notified of the award of Contract by the International Centre for Genetic Engineering and Bio Technology prior to expiration of the validity period. The terms of the accepted offer shall be incorporated in the Contract..

7. Payment Terms
**Our Payment terms are 100% after delivery and satisfactory installation within 30 days. ICGEB is exempt from custom duty. NO ADVANCE PAYMENT TERMS CONSIDERED.**

8. Warranty/Guarantee Period
FIVE YEARS WARRANTY shall be applicable to the supplier items (as applicable)
If any of the items found defective in the supplied lot during the contract period the vendor will replace the same with the corrected one free of cost.

We look forward to receive your sealed quotation complete along with technical proposal in envelopes complete in all respects within prescribed deadline and post it to below address and you are requested to inscribe “Real Time PCR ", Due date : 13.9.2021.

Address for sending sealed quotation:

Procurement Manager
International Centre for Genetic Engineering and Bio Technology
ICGEB Campus, Aruna Asaf Ali Marg,
New Delhi – 110067, India
Phone: 91-11-26741358 / 26741361 / 26742360 (Extn.-318)
Fax: 91-11-26741166 / 26742316

You can contact Mr. Varun Gugnani on Mobile Number 9810893435 for any query.

Yours faithfully,

Regards,

Ruhi Kumaria

EQUIPMENT & SAFETY

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International Centre for Genetic Engineering and Biotechnology
Aruna Asaf Ali Marg
New Delhi - 110 067