

जैव रसायन संभाग

DIVISION OF Biochemistry

भा.कृ.अ.प.—भारतीय कृषि अनुसंधान संस्थान, पूसा, नई दिल्ली—110012

ICAR-Indian Agricultural Research Institute, Pusa, New Delhi-110012

File No. BC/ST/NAE/2019-20

Dated : 26/07/2019

निविदा—सूचना

Online quotations are invited from reputed Manufacture/Dealer/Supplier in two bid system (Technical bid & Financial bid) for purchase of following Scientific Equipment/Items on behalf of Director ICAR- Indian Agricultural Research Institute, New Delhi. The **last date for submission of Bid 20.08.2019 at 1.00 PM.** The **bid will be opened on dated 21.08..2019 at 14.00 hrs** by the prescribed committee.

Please visit www.iari.res.in for Details Rules and Regulation and Log on www.eprocure.gov.in for online.

Sl. No.	Name of Scientific Equipment/ Item	Quantity
1.	REAL TIME PCR	1. No.

Instructions to the bidder and terms & conditions of tender:

1. The rates quoted shall be valid for a minimum period of 180 days from the last date fixed for submission of bid.
2. The rates quoted shall be free of cost delivery and installation at the Division/Unit of **Biochemistry**, IARI, New Delhi – 110012. However, equipment quoted in foreign currency must be quoted on FOB/ CIP basis
3. Custom Duty Exemption Certificate (CDEC) will be issued only when the bid is quoted in foreign currency in case of foreign made items only and meant for IARI
4. Full specifications of the item/ article quoted for shall be given in the quotation.
5. If taxes, duties or any other charges over and above the rates quoted livable, actual percentage of such taxes/duties/other charges should be clearly indicated.
6. **EMD of Rs. 33,500/- Rupees Thirty three thousand five hundred only** should be in the form of D.D./Pay Order/Fixed Deposit Receipt/Bank Guarantee from commercial bank drawn in favors of Director, IARI payable at New Delhi. The original EMD should be submitted to the Tender Inviting Authority on or before the last date and time of offline bid submission. The details of D.D./Pay Order/Fixed Deposit Receipt/Bank Guarantee physically sent, should tally with the details available in the scan copy and the data enter during the bid submission time otherwise the uploaded bid will be rejected.
7. No interest on security deposit and earnest money deposit shall be paid by the Institute totenderer.

8. The EMD shall be refunded to the unsuccessful bidders after finalization of the quotation. In case of successful bidder, it can be adjusted towards security deposit which is 5-10% of the order value in the form of D.D./ Pay Order/Fixed Deposit Receipt/Bank Guarantee from commercial bank drawn in favour of Director, IARI payable at New Delhi and shall remain valid for 60 days beyond the date of completion of all contractual obligation of supplier including warranty obligation for the equipment/goods costing Rs.1.00 lakhs (Rs. One Lakh) or more. Here would however, be no performance security deposit for equipment/goods costing less than Rs. 1.00 lakhs (Rs. One Lakh).
9. One year warranty has to be invariable provided by the firm. In case, there is any variation in the warranty period given in the specification of the item/equipment, the warranty period shall be the final as given in the specification.
10. Payment will be made by mode of e-payment to the supplier/firm after satisfactory completion of work and receipt of pre-receipt bills triplicate.
11. The Director IARI, New Delhi reserves the right to accept or reject any or all the quotations either in full or in parts without assigning any reason.
12. Quotations not complying with the above conditions are liable to be rejected.
13. Scanned copy of GST/TIN/VAT/PAN/C.S.T. Nos may be attached with the bid.
14. In case, any dispute arising out of this contract shall be subject to the jurisdiction of Indian laws & Court at New Delhi. Sole arbitrator is appointed by the Secretary, ICAR, New Delhi. His decision will be final and binding on both parties (Supplier and Purchaser)
15. The successful bidder has to execute the indented Job/Work as mentioned in the supply order placed with them within the stipulated period as given in the supply order placed by this office failing which 2% per week and maximum of 10% deduction as liquidated damage charges will be made from the bill in case the job is not completed within the given stipulated period.
16. Firm should enclosed proof for three years' experience in this line (copies of supply order received in 3 years . should be enclosed.
17. For locally (within India) manufactured good/items. Proforma invoice for the goods/items to be procured from the OEM or Authorized agent/Distributor for goods/ spare parts of equipment manufactured aboard, proforma invoice is to be procured from the OEM in the currency of that country and not in INR . The firm (providing proforma invoice) should mention/undertake that "the rates quoted by them are the same and not higher than those quoted with other Government, public sector or private organizations and undertaking that, in case it supplies or quotes a lower rate to other Government , public sector or private organizations, it would reimburse the excess" The firm may mandatorily submit the purchase order of same goods/items which it supplied to Government Departments in recent past in order to justify the quoted rates.
18. Certificate from the OEM in favor if Authorized Agent/Distributor clearly stating that "the agent is the sole authorized agent to provide goods / service in India for the OEM products" The certificate shall not be dared more than one year old and valid for at least next 12 months. The agency Agreement/Distributor certificate should clearly bring out Exclusive status of the agent (Sole selling agent in India) after sales service arrangements, validity of the Agreement with foreign Principal. Agency Commission. The agreement between the OEM and the Agent/Distributor must make the Indian Agent/Distributor responsible for all the contractual obligations including quality aspects, replacement of parts/items and warranty/guarantee obligations.

Sl. No.	Description / Specification of the Equipment/ Item
1.	<p>Name of Equipment : REAL TIME PCR One No.</p> <p>Specification : As per Annexure -A</p>

Asstt. Admn. Officer
SKB

Real Time PCR

1. Capable for performing both real time PCR and end point analysis.
2. Peltier Based system
3. System should support applications including absolute quantitation, simultaneous analysis data for relative quantitation of multiple plates, multiplex PCR, allelic discrimination (SNP), and dissociation curve analysis as well as pathogen detection or similar technology.
4. 96-well blocks and also has option for 384 well for future upgradability.
5. The instrument must have provision for optimizing the PCR condition and should have True gradient.
6. The system should have flexibility to use plates and 0.2 ml tubes, strips to cut down the cost per reaction.
7. Supported volume range: 10 µl to 25 µl or better.
8. Filters (wide band)-Five excitation filters, five-emission filters.
9. Detection: Photodiode/CCD/CMOS.
10. Average sample Ramp rate: $\geq 3.3^{\circ}\text{C}$ or better with peak sample ramp rate $\geq 5^{\circ}\text{C}$ or better
11. Temperature Range: 4°C - 99°C and temperature accuracy of at least $\pm 0.2^{\circ}\text{C}$ or better and uniformity $\pm 0.4^{\circ}\text{C}$ or better.
12. Optical System: The system should LED as excitation source.
13. The instrument must have possibility of being easily integrated with any laboratory information system (LIS)/Email notification/Cloud enabled platform.
14. Factory calibrated for handling dyes such as SYBR Green, FAM, Cy5, HEX and ROX System should be able to do five colour multiplexing in a single tube. Calibration charges with consumables should be included in warranty period when ever required.
15. Additional Dyes Available: Calibration for new dyes within the wavelength range (470-730nm or better) should be possible by following the custom dye calibration procedure in the User's Manual without purchase of additional filter sets.
16. System should be standardized for Taqman and SYBR Green Chemistry with pre-validated and functionally tested Taqman Gene Expression assays as well as Taqman SNP Genotyping assays or panels and kits for genetic screening and infections. They should be readily available from the same manufacturer as that of main instrument.
17. Standard-Collect data for the all 5 filters for all wells regardless of plate setup, plate setup may be altered after run completes.
18. The software should be inclusive of multi-componenting Algorithm/ Multititre algorithm or similar unique designed to provide precise de-convolution of multiple dye signals in each well to ensure minimal crosstalk.
19. Whenever a new upgraded software to the system released by the company, it would be supplied, and installed free of cost.
20. System should supplied with HRM software with minimum two user license.
21. System should be open be compatible with test reagents from different manufacturers.
22. System should be MIQE/ RDML compliant.
23. Should be supplied with Laptop I5 (good configuration) and 2 KVA online UPS with 1 hour backup & Printer
24. After sale, Service should be available promptly.
25. System should supplied with image capturing and analysis system (4 Megapixel image resolution or better & should have flat field correction and total protein normalization capacity) with UV and white light sources for optimization using as an end point PCR
26. All accessories (Hardware of /Software) required for complete operation of the system by supplied within the cost of system.
27. Demo & Training on site only on supplier's expenditure before finalization of instrument.
28. Warranty 3 year.

22/11/20
डा. आनिल दहड
प्र. वं.

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डा. रंजीत रंजन
प्र. वं.

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