

## 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 : 05/11/2019

### 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 26.11.2019 at 1.00 PM.** The **bid will be opened on dated 27 .11..2019 at 14.00 hrs** by the prescribed committee.

Please visit [www.iari.res.in](http://www.iari.res.in) for Details Rules and Regulation and Log on [www.eprocure.gov.in](http://www.eprocure.gov.in) for online.

Sl. No.	Name of Scientific Equipment/ Item	Quantity
1.	Quantitative 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.34,000/- Rupees Thirty four thousand only** should be in the form of D.D./Pay Order/Fixed Deposit Receipt/Bank Guarantee from commercial bank drawn in favours 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 to tenderer.
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.
19. **Submit the all documents in sequence to compliance the terms and conditions..**

Sl. No.	Description / Specification of the Equipment/ Item
1.	<p><b>Name of Equipment</b> : Quantitative Real Time PCR <b>One No.</b></p> <p><b>Specification</b> : <b>As per Annexure -A</b></p>

**Asstt. Admn. Officer**  
\*SKB\*

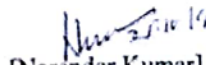
## Technical Specification for the Purchase of Real Time PCR

- Real-Time PCR system should be 96-well and 6-8 Peltier based PCR Machine.
- Should detect minimum 5 different fluorescent reporters in the same tube without the need of addition of any internal reference dye.
- LED based excitation and photodiode/CMOS/PMT as detectors.
- System should have true gradient capability with identical hold times for all rows of the gradient or similar better technology.
- Dynamic range - minimum 10 orders of magnitude.
- Ramping rate - minimum 5°C per sec or better.
- Excitation -Emission range: 450-700 nm or better.
- Temperature range - 4 - 99° C or better with accuracy of  $\pm 0.2^\circ$  C and uniformity of  $\pm 0.4^\circ$  C or better.
- System should have multiple scan modes.
- System should have software with open licencing and able to do automatic allelic discrimination by end point fluorescence or threshold cycle, Gene expression analysis by relative quantity ( $\Delta$ Ct) or normalized expression ( $\Delta\Delta$ Ct), ANOVA, t-Test, multi plate analysis and end point analysis, etc.
- Analysis software should compliance with 21 CFR part 11 compliant.
- System should quote with HRM software with minimum 2 user licenses.
- System should be compatible with all kind of plastic consumables and reagents
- System should be capable of running various chemistries like Taq Man, SYBR green, etc.
- The system should be certified by European CE, IEC 61010 certifications.
- The equipment should be accompanied with a Branded I-5 Desktop (8 GB RAM, 1 TB HDD), 2 KVA online UPS backup for one hour backup & HP All-In-One Printer.
- One PCR Plate centrifuge (2X96 well) should be supplied with the instrument.
- System should be supplied with 2000 reactions Real Time PCR consumables (Syber green and Plates with sealer) and cDNA synthesis kit for 100 reactions.
- System should be supplied with Software controlled electronically adjustable tip spacing 12 channels with 0.5- 12.5 uL range and spacing ranges from 4.5 mm to 09 mm.
- Installation should be done by the supplier without levying any extra charges.
- Warranty: 3 years

Certified that the specifications as given above are generic in nature.

[Indenter] Rangit Rang Kumar 25/10/19

  
[Anil Dahuja] 25.10.2019

  
[Narender Kumar] 25/10/19

  
[Shyam Sunder] 25/10

(Divisional Equipment Purchase Committee)

[A. K. Singh]

[Rashmi Aggarwal]

[B. S. Tomar]

[Madan Pal]

[P.S. Rawat]

(Institutional Technical Specification Committee)