



जैव रसायन संभाग
भारतीय कृषि अनुसंधान संस्थान
नई दिल्ली - 110012



सं० जै.र.सं./एन.एस.-/५०९

दिनांक: 09/01/2025

कार्यालय आदेश

Tender for the purchase of Digital PCR System has been floated on the GeM portal on 02/01/2025 (Bid Number GEM/2025/B/5774423) . It is informed that the **Pre-Bid meeting for the same is scheduled on 14/01/2025 at 02:00PM** in the committee room (Room No-304), Division of Biochemistry, ICAR-IARI, New Delhi.

Therefore, interested bidders may attend the said meeting on the scheduled date and time.


Asstt. Admn. Officer

Distribution:-

1. All the member of divisional purchase committee, Division of Biochemistry, ICAR-IARI, Pusa Campus, New Delhi-110012
2. Indenter of Digital PCR System - Dr. Ranjeet Ranjan Kumar, Senior Scientist.
3. Special Invitee Ms. Roselima Lakra, Admn. Officer, Division of Biochemistry.



DIVISION OF BIOCHEMISTRY
ICAR- INDIAN AGRICULTURAL RESEARCH INSTITUTE
Pusa, New Delhi - 110 012



F. No. ICAR-IARI-BIOCHEM-Equipment-Purcha4-25

Dated: 02/01/2025

Gem Bid Notice

On behalf of Secretary, ICAR-IARI, Indian Agricultural Research Institute (IARI), Division of Bio-Chemistry invites online e-tender through GeM Portal, two bid system for Supply, commissioning and installation of "**Digital PCR Systems**" to be installed at Agricultural Innovation Centre, ICAR-IARI, New Delhi, from the **serious supplier/manufacturers who can supply the material within time period as per bid.**

1) **Tender Schedule**

Tender No.	
Published Date	
Bid submission start date	
Last date & time for submission of bid	
Bid opening date and time	
Address for communication if any	Asstt. Admn. Officer, Division of Bio-Chemistry, Room No.325, IInd Floor ICAR-IARI, New Delhi

2) **Details of Tender Deposits :-**

- Tentative cost of Bid: Rs. 80.00 Lakh.
- Earnest Money Deposit: Rs. **Rs. 4,00,000/- (Four Lakh Only)**
- Performance Security Deposit: 10% of the contract value. (The performance security should remain valid for a period of sixty days beyond the date of supply, commissioning and installation of the item)
- **The online Bid document can also be viewed from IARI website www.iari.res.in and www.gem.gov.in**

Note : In case, a holiday is declared by the Government on the day of opening bids, the bids will be opened on the next working day at the same time. The IARI reserves the right to accept or reject any or all the tenders without assigning any reason. Please note that only online bids will be accepted.

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GeM Bid Notice

From: **Asstt. Admn. Officer (Bio-Chemistry)**

Indian Agricultural Research Institute

Pusa, New Delhi-110 012

To

Dear Sir(s),

Online Tenders/Bid are hereby invited by Director, Indian Agricultural Research Institute (IARI) on behalf of Secretary, Indian Council of Agricultural Research (ICAR), New Delhi for "**Digital PCR Systems**" to be installed at, ICAR-IARI, New Delhi.

- The terms and conditions of the contract are those contained in the General Conditions of contract applicable to the contracts placed by the ICAR-IARI as detailed in the tender forms. Please submit your rates in the GeM FINANCIAL PACKET if you are in a position to furnish the requisite supply, Commissioning and installation in accordance with the requirements stated in the bid.
- An Earnest Money Deposit [Bid Security] of Rs. 4,00,000/- (Rupees four lakh only) must be deposited (physically) in the form of Demand Draft/Pay Order/FDR payable to **In favour of Director, ICAR-Indian Agricultural Research Institute payable at New Delhi -110012** to Asstt. Admn Officer, Division of Bio-Chemistry, Room No. 325, 11th Floor, ICAR-IARI, New Delhi - 110012 on or before the last date/time of submission of GeM Bid.
- The rates quoted by each firm for this in bid should be valid for 180 days and should be quoted both in words and figures failing which the same is liable to be rejected.
- No request for alteration in the rates once quoted will be permitted.
- The rates to be quoted should include cost of each and every item including transportation cost, manpower cost and taxes etc. The IARI shall not bear any extra charge for the same.
- Conditional bids shall not be considered. No overwriting or cutting is permitted in the tender documents. Such bids will be rejected out-rightly.
- Only those firms will be considered for financial bid who will qualify in the technical bid.
- Each page of the technical bid must be signed by the Vendor while submitting technical bid.

- If Vendor does not accept the offer, after issue of letter of award by IARI within 05 days, the offer made shall be deemed to be withdrawn without any notice & earnest money forfeited.
- An amount @ 10% of the estimated value of contract is to be deposited by the selected firm/successful Vendor as Performance Security Deposit (Performance Bank Guarantee) only after issuance of Supply order through GeM portal/this office. In the event of non-deposition of the same, the earnest money will be forfeited. No interest on Earnest Money (EMD) and Performance Security Deposit (Performance Bank Guarantee) shall be paid by the IARI to the Vendor.

3). The following document/vouchers are required to be uploaded with the Technical Bid in following manner with page number of each papers/documents, uploaded.

- (a) Scanned copy of Earnest Money Deposit (EMD)
- (b) Scanned copy of Registration Certificate of the firm under Company/Shops & Establishment Act of the respective state for this purpose.
- (c) Scanned copy of valid registration certificate issued by National and Small Industries Corporation (NSIC), (MSME) if applicable for exemption as per Govt. of India Orders.
- (d) Scanned copies of proofs of minimum last three year's i.e. 2020-21, 2021-2022 and 2022-2023 satisfactory supply, installation and commission of the product.
- (e) Scanned copy of proof of minimum turnover of the firm not less than **Rs.32,00,000/- (Thirty Two Lakhs Only)** during each of the last three financial years (2020-2021; 2021-2022 & 2022-2023 with balance sheet duly approved by Chartered Accountant.
- (f) Scanned copies of Income Tax (PAN), Service Tax /GST Registration Certificates
- (g) Scanned Copy of ISO certificate with literature of the equipment "**Digital PCR Systems**"
- (h) The firm/agency must enclose a certificate indicating that there is no criminal legal suit pending or contemplated against it. An Undertaking as per attached Format duly attested by Notary on a non-judicial stamp paper of value of Rs.100/- (Rupees One Hundred Only) regarding their non-blacklisting by any of the Govt. Departments, Public Sector Undertakings and/or by Central Vigilance Commission during the last three years.
- (i) Valid authorization Certificate of the participation firm.

Yours faithfully,

Asstt. Admn. Officer

ICAR-IARI, New Delhi

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TECHNICAL BID for purchase of "Digital PCR"

Sl. No.	Technical Requirement	Particulars
1.	Name of the Tendering /Firm/Agency/ Contractor : (Attach attested copy of certificate of registration).	Yes/No (Page No.)
2.	Name of Director of Company/ Active Partner of the firm/: authorized Agent/ Proprietor.	Yes/No (Page No.)
3.	Full address of Operating/ Branch Office Telephone No., Fax No., E-mail address:	Yes/No (Page No.)
4.	Full address of Operating/ Branch Office at: Delhi/ New Delhi	Yes/No (Page No.)
5.	Banker of the Company/ Firm/ Agency/ Contractor with Full address (Attach certified copy of latest Bank statement)	Yes/No (Page No.)
6.	Scanned copy of Earnest Money Deposit (EMD)	Yes/No (Page No.)
7.	Scanned copy of Registration Certificate of the firm under Company/Shops & Establishment Act of the respective state for this purpose.	Yes/No (Page No.)
8.	Scanned copy of valid registration certificate issued by National and Small Industries Corporation (NSIC), (MSME) if applicable.	Yes/No (Page No.)
9.	Scanned copies of proofs of minimum last three year's i.e. 2020-21, 2021-2022 and 2022-2023 satisfactory supply, installation and commission of the product.	Yes/No (Page No.)
10.	Scanned copy of proof of minimum turnover of the firm not less than Rs.32,00,000 (Rupees thirty two lakh Only) during each of the last three financial years, 2020-2021; 2021-2022 & 2022-2023 with balance sheet duly approved by Chartered Accountant.	Yes/No (Page No.)
11.	Scanned copies of Income Tax (PAN), Service Tax /GST Registration Certificates	Yes/No (Page No.)
12.	Scanned Copy of ISO Certificate with literature of the equipment.	Yes/No (Page No.)

13.	The firm/agency must enclose a certificate indicating that there is no criminal legal suit pending or contemplated against it. An Undertaking as per attached Format duly attested by Notary on a non-judicial stamp paper of value of Rs.100/- (Rupees One Hundred Only) regarding their non-blacklisting by any of the Govt. Departments, Public Sector Undertakings and/or by Central Vigilance Commission during the last three years.	Yes/No (Page No.)
14.	Copy of Valid Authorization Certificate	
15.	Additional Information/detail, if any must be supported by attested certificate	Yes/No (Page No.)

I, the undersigned certify that I have gone through the terms and condition mentioned in the GeM Bid document and undertake to comply with them. The rates quoted by me are valid and binding upon me for the entire period of contract.

Date :

Signature of Authorized person

Place :

(Full Name and Designation)

Seal :

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Specification of Equipment "Digital PCR System"

Technical Specification for the Purchase of Digital PCR System

1. Table Top Model with advanced technology of droplet/ Plate/ Chip based PCR quantitation.
2. System should have water-oil emulsion droplet generator/ physical partition / micro-chamber with microfluidic technology.
3. System should be able to generate 20,000 or more uniform nanolitre droplets/ partitions from each reaction mix.
4. Reaction volume - 25 microliter or less.
5. Sample capacity – minimum of 8 samples per run.
6. Dynamic range should be 4 orders or more.
7. System should have capability of atleast 4 target multiplexing per well.
8. Able to read multiplexing assays run with probe based as well as dye based chemistry.
9. System should perform absolute quantification of nucleic acids with high precision without use of reference genes as well as standard curves.
10. Software package used for the digital PCR system should be freely used in different computer systems.
11. The reader must be able to read fluorescence data from each single droplet / partition individually.

(The specifications for the purchase of Digital PCR System are generic in nature)

Accessories –

- Workstation (quantity - 01) [Ram - 32 GB, SSD HD - 1TB, Graphics card - 8 Gb, operating system - Windows 11 Pro, Processor - Xeon, Monitor 32 inch, IPS display, MS-Office professional plus 2019 and above, The workstation should be along with colour printer (One) to get the hard copies of the results.
- Online UPS system (quantity- 01) [5 kVa to regulate the fluctuation in voltage and to provide the power-back during the operation].
- Should be provided with anti-skid modular table, chair and cubicle for the smooth installation and functioning of digital PCR system.
- System should be provided with all consumables including master mix and plates to run 500 reactions.
- The vendor must provide comprehensive demonstration of different applications by organizing a one day workshop.
- Onsite application training of staff and continuous technical support from qualified application scientist and service engineer should be provided by the vendor.
- Minimum 03 years warranty should be provided on the instrument and other accessories.
- System should not have special temperature requirement for the operation.
- Should have more than 05 installations of the product quoted in India.

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Financial Packet (Must be submitted in Online Mode Only)