

**बिड दस्तावेज़ / Bid Document**

| बिड विवरण/Bid Details  |  |
|--|--|
| बिड बंद होने की तारीख/समय /Bid End Date/Time   | 02-01-2026 16:00:00  |
| बिड खुलने की तारीख/समय /Bid Opening Date/Time  | 02-01-2026 16:30:00  |
| बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)  | 90 (Days)  |
| मंत्रालय/राज्य का नाम/Ministry/State Name  | Ministry Of Agriculture And Farmers Welfare  |
| विभाग का नाम/Department Name   | Department Of Agricultural Research And Education (dare)   |
| संगठन का नाम/Organisation Name   | Indian Council Of Agricultural Research (icar)   |
| कार्यालय का नाम/Office Name  | National Dairy Research Institute Karnal / North   |
| वस्तु श्रेणी /Item Category  | Nucleic Acid Sequencing and Genotyping Service - Epigenome analysis; Animal; Nucleic acids (DNA or RNA); To be collected by the service provider from the buyer; Illumina; 90% and above; 10x; Low throughput; Raw data, Primary analysis, Secondary analy.. |
| अनुबंध अवधि /Contract Period   | 3 Month(s)   |
| वर्षों के अनुभव एवं टर्नओवर से एमएसई को छूट प्राप्त है / MSE Relaxation for Years Of Experience and Turnover   | Yes   Complete   |
| स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / Startup Relaxation for Years Of Experience and Turnover   | Yes   Complete   |
| विक्रेता से मांगे गए दस्तावेज़/Document required from seller   | Experience Criteria,Certificate (Requested in ATC)<br>*In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer             |
| क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेजों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेन् है/Do you want to show documents uploaded by bidders to all bidders participated in bid? | Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)   |
| बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension  | 1  |

### बिड विवरण/Bid Details

|   |                             |
|---|-----------------------------|
| दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / <b>Number of days for which Bid would be auto-extended</b>        | 7                           |
| ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / <b>Number of Auto Extension count</b>  | 1                           |
| बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled  | No                          |
| बिड का प्रकार/Type of Bid   | Two Packet Bid              |
| तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation | 2 Days                      |
| मूल्यांकन पद्धति/Evaluation Method  | Total value wise evaluation |
| मध्यस्थता खंड/Arbitration Clause  | No                          |
| सुलह खंड/Mediation Clause   | No                          |

### ईएमडी विवरण/EMD Detail

|                   |    |
|-------------------|----|
| आवश्यकता/Required | No |
|-------------------|----|

### ईपीबीजी विवरण /ePBG Detail

|                   |    |
|-------------------|----|
| आवश्यकता/Required | No |
|-------------------|----|

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

### एमआईआई अनुपालन/MII Compliance

|                               |     |
|-------------------------------|-----|
| एमआईआई अनुपालन/MII Compliance | Yes |
|-------------------------------|-----|

### एमएसई खरीद वरीयता/MSE Purchase Preference

|  |     |
|--|-----|
| एमएसई खरीद वरीयता/MSE Purchase Preference  | Yes |
| सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ तक की सीमा में हो / Purchase Preference to MSE OEMs available upto price within $L1+X\%$ | 15  |
| सूक्ष्म और लघु उद्यम को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MSE purchase preference                                | 100 |

1. If the bidder is a Micro or Small Enterprise as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Experience Criteria" as defined above subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
2. If the bidder is a Micro or Small Enterprise (MSE) as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Bidder Turnover" as defined above subject to meeting of quality and technical specifications. If the bidder itself is MSE OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover, shall upload the supporting documents to prove his eligibility for Relaxation.
3. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Experience Criteria" as defined above subject to their meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
4. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Bidder Turnover" as defined above subject to their meeting of quality and technical specifications. If the bidder is DPIIT Registered OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover shall upload the supporting documents to prove his eligibility for Relaxation.
5. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference for services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered service. If L-1 is not an MSE and MSE Service Provider (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band as defined in the relevant policy, then 100% order quantity will be awarded to such MSE bidder subject to acceptance of L1 bid price. The buyers are advised to refer to the [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if the credentials of the service provider are validated on-line in GeM profile as well as validated and approved by the Buyer after evaluation of submitted documents.
6. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

**Nucleic Acid Sequencing And Genotyping Service - Epigenome Analysis; Animal; Nucleic Acids (DNA Or RNA); To Be Collected By The Service Provider From The Buyer; Illumina; 90% And Above; 10x; Low Throughput; Raw Data, Primary Analysis, Secondary Analy.. ( 12 )**

**तकनीकी विशिष्टियाँ /Technical Specifications**

| विवरण/ Specification                   | मूल्य/ Values  |
|--|--|
| <b>कोर / Core</b>                      |  |
| Type of sequencing exercise to be done | Epigenome analysis                                     |
| Type of organism for sequencing        | Animal   |
| Type of sample                         | Nucleic acids (DNA or RNA)                             |
| Sample collection option               | To be collected by the service provider from the buyer |
| Which Chemistry / Platform you require | Illumina   |

| विवरण/ Specification                                     | मूल्य/ Values   |
|--|---|
| What quality reads per sample do you require             | 90% and above   |
| What depth /coverage do you require                      | 10x   |
| Service required for number of samples to be analyzed    | Low throughput  |
| What kind of output data is required                     | Raw data , Primary analysis , Secondary analysis  |
| Data Delivery Mode                                       | Physical media  |
| Data delivery timeframe                                  | 30 days   |
| What kind of QC parameters are required                  | System output QC parameters , Machine built QC parameters   |
| Model of sequencing facility to be followed              | Inhouse   |
| Model of bioinformatics analysis facility to be followed | Inhouse   |
| Consent for the sample to be sent abroad for testing     | No  |
| Testing Lab Accreditations Certifications                | DSIR certificate , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing |
| एडऑन /Addon(s)   |   |

**क्रेता द्वारा निर्धारित न्यूनतम मूल्य/Minimum Floor Price defined by Buyer**

|  |    |
|--|----|
| क्रेता द्वारा निर्धारित न्यूनतम मूल्य/Minimum Floor Price defined by Buyer | No |
|--|----|

**अतिरिक्त विशिष्टि दस्तावेज /Additional Specification Documents**

**प्रेषिती/रिपोर्टिंग अधिकारी /Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address   | संसाधनों की मात्रा / Number of samples | अतिरिक्त आवश्यकता /Additional Requirement |
|---------------|--|---|--|---|
| 1             | Subhash Kumar  | 132001,ICAR - NATIONAL DAIRY RESEARCH INSTITUTE, KARNAL ;HARYANA 132001 | 12                                     | N/A                                       |

**क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions**

**1. Generic**

OPTION CLAUSE: The buyer can increase or decrease the contract quantity or contract duration up to 25 percent at the time of issue of the contract. However, once the contract is issued, contract quantity or contract duration can only be increased up to 25 percent. Bidders are bound to accept the revised quantity or duration

## 2. **Generic**

Option Clause: Excess Settlement. The excess settlement has been enabled for the service, allowing service providers to include additional charges up to a specified percentage of the item-level total value, including addons, in their invoices. Service providers must declare the applicability of additional charges during invoice creation and submit mandatory supporting documents to avail this option. The total invoice amount, including additional charges, shall not exceed the agreed-upon excess settlement percentage for the order.

## 3. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

### **GEM BID DOCUMENT FOR Reduced Representation Bisulfite Sequencing**

1. Service provider should perform Reduced representation bisulfite sequencing using Illumina NovaSeq 6000.
2. Bidder must have in-house genotyping facility in India (Illumina installation certificate to be provided). Samples should not be sent out of India.
  3. NABL & DSIR accreditation is mandatory.
  4. **Proof of experience with respect to the RRBS** in terms of purchase orders must be submitted. Also, the experience in the isolation of nucleic acids from animal cells/tissues must be submitted.
  5. Total number of Samples: 12
  6. Samples will be provided by the indenter. The quote includes isolation of DNA and its quality control assessment.
  7. DNA Quality Control: Agarose Gel Electrophoresis, Nanodrop Spectrophotometry. A comprehensive DNA QC report must be provided.
8. Library Type: Bisulfite converted DNA and Standard Methylation Library Preparation Kit.
  9. Service provider should prepare the 12 libraries and Library quality check should be done by the Qubit and Bioanalyzer.
  10. Prepared libraries should be sequenced in Illumina NovaSeq 6000 using sequencing chemistry 2\*150bp.
  11. Service provider should target 10X Coverage for a genome size of approximately 3 Gb, generating a minimum of 30 GB of high-quality data per sample
  12. **Bioinformatics Analysis:** Raw Data QC, Clean Data quality control, MspI cutting efficiency, Alignment to the reference genome, mC-calling, Methylation level and frequency distribution, DMS detection, DMRs and DMPs detection and annotation
  13. The service provider should provide the DNA QC, Library QC, Raw data, bioinformatics analysis reports.
  14. Free of cost transportation should be provided in dry ice.
  15. The results should be provided both online and in suitable hard disc, without any additional cost.
16. Project should be completed in 45 Days

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.
15. Any ATC clause in contravention with GeM GTC Clause 4 (xiii)(h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.
16. Buyer added ATC Clauses which are in contravention of clauses defined by buyer in system generated bid template as indicated above in the Bid Details section, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by GeM GTC.
17. In a category based bid, adding additional items, through buyer added additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogs or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

**All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.**

**For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.**

**The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:**

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and**
- **All operative provisions of the erstwhile Labour Laws until their complete substitution.**

**All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.**

This Bid is governed by the [सामान्य नियम और शर्तें/General Terms and Conditions](#), conditions stipulated in Bid and [Service Level Agreement](#) specific to this Service as provided in the Marketplace. However in case if any condition specified in सामान्य नियम और शर्तें/General Terms and Conditions is contradicted by the conditions stipulated in Service Level Agreement, then it will over ride the conditions in the General Terms and Conditions.

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

**---धन्यवाद/Thank You---**