



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2023/B/3804975
Dated/दिनांक : 09-08-2023

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	30-08-2023 11:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	30-08-2023 11:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	90 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Agriculture And Farmers Welfare
Department Name/विभाग का नाम	Department Of Agricultural Research And Education (dare)
Organisation Name/संगठन का नाम	Indian Council Of Agricultural Research (icar)
Office Name/कार्यालय का नाम	National Research Centre On Equines Hisar
Item Category/मद केटेगरी	Custom Bid for Services - Whole Genome Sequencing of Virus mRNA profiling and miRNA profiling of samples
Contract Period/अनुबंध अवधि	2 Month(s)
MSE Exemption for Years Of Experience/अनुभव के वर्षों से एमएसई छूट/ and Turnover/टर्नओवर के लिए एमएसई को छूट प्राप्त है	Yes
Startup Exemption for Years Of Experience/अनुभव के वर्षों से स्टार्टअप छूट/ and Turnover/ टर्नओवर के लिए स्टार्टअप को छूट प्राप्त है	Yes
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Certificate (Requested in ATC) *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
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Two Packet Bid
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation

EMD Detail/ईएमडी विवरण

Required/आवश्यकता	No
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ePBG Detail/ईपीबीजी विवरण

Required/आवश्यकता	No
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Splitting/विभाजन

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

MII Compliance/एमआईआई अनुपालन

MII Compliance/एमआईआई अनुपालन	Yes
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MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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1. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.

2. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to their meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.

3. 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 defined in relevant policy, then 100% order quantity will be awarded to such MSE bidder subject to acceptance of L1 bid price.

[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.

4. 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.

Additional Qualification/Data Required/अतिरिक्त योग्यता /आवश्यक डेटा

Scope of Work:[1691556726.pdf](#)

Service Level Agreement (SLA):[1691556732.pdf](#)

Payment Terms:[1691556739.pdf](#)

GEM Availability Report (GAR):[1691556854.pdf](#)

Custom Bid For Services - Whole Genome Sequencing Of Virus MRNA Profiling And MiRNA Profiling Of Samples (1)

Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values
Core	
Description /Nomenclature of Service Proposed for procurement using custom bid functionality	Whole Genome Sequencing of Virus mRNA profiling and miRNA profiling of samples
Regulatory/ Statutory Compliance of Service	YES
Compliance of Service to SOW, STC, SLA etc	YES
Addon(s)/एडऑन	

Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़

Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	The quantity of procurement "1" indicates Project based or Lumpsum based hiring.	Additional Requirement/अतिरिक्त आवश्यकता
1	Sunil	125001,ICAR-National Research Centre on Equines, Sirsa Road, Hisar	1	N/A

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

1. Buyer Added Bid Specific ATC

Buyer uploaded ATC document [Click here to view the file.](#)

Disclaimer/अस्वीकरण

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. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered as part of bid:-

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.
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.

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.

This Bid is governed by the [General Terms and Conditions/सामान्य नियम और शर्तें](#), 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 General Terms and Conditions/सामान्य नियम और शर्तें is contradicted by the conditions stipulated in Service Level Agreement, then it will over ride the conditions in the General Terms and Conditions.

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./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 कार्यवाही का आधार होगा।

---Thank You/धन्यवाद---

**ICAR-NATIONAL RESEARCH CENTRE ON EQUINES
SIRSA ROAD, HISAR-125 001 (HARYANA)**

Ph.01662-282520, 282522, Fax: 276217, Email: nrcequine@nic.in, po.nrce@icar.gov.in
Website: <http://nrce.gov.in>

F. No 21-564/S&P/23-24

Dated: 09.08.2023

TENDER NOTICE

On behalf of the Secretary ICAR the Director NRCE, Sirsa Road, Hisar invites custom bids through GeM portal from eligible bidders/parties/firms for the supply of **Whole Genome Sequencing** as per terms & conditions given below:

Sr. No	Name of items	Quantity	Period of supply
1.	Whole Genome Sequencing of Virus as per attached scope of work (Annexure-I)	2 Samples	60 Days
2.	mRNA profiling and bioinformatics analysis as per attached scope of work (Annexure-I)	8 Samples	60 Days
3.	miRNA (microRNA) profiling and bioinformatics analysis as per attached scope of work (Annexure-I)	3 Samples	60 Days

Terms & conditions for the tender for supply of Sequencing Services:-

- Interested eligible bidders are requested to submit their quotations/bid through GeM portal alongwith all necessary documents as per terms and conditions of tender document. The quotation/tender letter is also available on Institutes website <http://www.nrce.gov.in>. The tender can be uploaded/submitted as per dates of GeM portal
- **Delivery:** The firms have to collect the samples for sequencing from the indenting officer within 10-15 days of awarding the order in their name and the final results should be submitted within 2 months of receipt of samples from ICAR-NRCE, Hisar.
- The payment of said services is to be made on completion of satisfactory supply. The supplier will have to send bill in triplicate indicating clearly the purchase Order No. date and other details of supply, while quoting the rate(s) of items the following information invariable be made available.
 - I. Quotation shall remain valid for acceptance or a period of not less than 90 days after the specified date of opening of the order.
 - II. The firms on whom the supply order is placed within the period of acceptance of the offer will be required to execute the supply within a specified period from the date of issue of the supply order. If the supplier fails to delivery any or all of goods. The purchase shall without prejudice to its other reminds under the contract deduct from the contract price as liquidated damages a sum equivalent to 0.5% of the delivery price of the delayed goods for each week of delay. The maximum limit of such deduction will be of 10% of service contract price. Once the maximum is reach the purchase will consider termination of the contract automatically. If the same have not been terminated already.
- A supplier shall not submit more than one quotation for the same goods.

- The supply will be on FOR basis at ICAR-NRCE, Hisar and rate quoted in INR.
- No conditional tender will be accepted at any cost.
- The quotation / tender shall remain valid for acceptance for a period not less than 90 days after the specified date of opening of the offer.
- Quantity can be increased or decreased as per our requirement.
- Disputes/litigation, if any will be subjected to Hisar jurisdiction only.
- Director, NRCE, Hisar reserves the right to accept/reject any or all the tenders without assigning any reason.
- The bidders/firms are required to upload copies of the following documents:-
 - a) Scanned copy of Firm's registration, PAN Card, GST No.
 - b) Tender acceptance letter as per format given.
 - c) The bidder should submit the Certificate/undertaking of Non-Blacklisting/ Not Banned/Temporarily suspended by any Govt. Deptt./Organizations.

Asstt. Admin. Officer (P)

TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date:

To,

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender/Work:-

Dear Sir,

1. I/ We have downloaded/ obtained the tender document(s) for the above mentioned 'Tender/Work' from the website(s) namely:-

As per your advertisement, given in the above mentioned website(s)

2. I/ We hereby certify that I/ We have read the entire terms and conditions of the tender documents including all documents like annexure(s), schedule(s), etc., which form part of the contract agreement and I/ we shall abide hereby the terms/conditions/ clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/ organisation too has also been taken into consideration, while submitting this acceptance letter.
4. I/ We hereby unconditionally accept the tender conditions of above mentioned tender document(s)/ corrigendum(s) in its totality/ entirety.
5. I/ We do hereby declare that our firm has not been blacklisted/ debarred by any Govt. Department/ Public sector undertaking.
6. I/ We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/ untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.
7. I/ We hereby undertake to declare that if I/We withdraw or modify the bid(s) during the period of validity, or if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document, they will be suspended for the period of two year to submit bids with this office.

Yours Faithfully

(Signature of the bidder, with official seal)

Specification for Whole genome, mRNA & miRNA Sequencing

1. Host: Vero cells (WGS and mRNA sequencing), Cattle PBMC (miRNA sequencing)
2. Type of sample: DNA/RNA
3. Total no. of Samples: 2 sample-WGS, 3 sample- miRNA seq and 8 sample- mRNA seq
4. Type of service: Whole genome sequencing, miRNA & mRNA Sequencing
5. Genomic DNA/RNA Isolation: Kits & protocols used for DNA/RNA Isolation are to be disclosed.
6. Quality Control Platforms: QC of the isolated DNA/RNA should be done on Agilent Bioanalyzer/Tapestation, Nanodrop/Qubit also provide Gel Picture (Mandatory if Bioanalyzer/Tapestation not available). DNA/RNA QC Analysis Report to be provided.
7. Sequencing should be performed on Illumina Platform
8. Library Preparation and QC should be done using illumina recommended protocol
9. Read length: 150 Paired End for WGS and mRNA, miRNA- 50 or 75 single ends
10. Read quality: > 90% HQ reads with Score \geq Q30
11. Total reads: 4-5 Gb Raw data / Sample for WGS and 80-90 million read/sample for mRNA and miRNA.
12. The complete scope of work should be done by the vendor, having a sequencing facility set up, within India.
13. The vendor should provide certificates to testify the possession of an in-house sequencer based in India and capable of handling sequencing work. (Attach Proof of Installation).
14. Data Deliverables: All Raw & Analyzed Files in appropriate format should be delivered through secure network only.
15. Detailed reports with methodology, results, references, and supplementary material should be provided.
16. All biological material (leftover samples/ isolated DNA/ prepared libraries) should be returned to the user lab.
17. Confidentiality Non-Disclosure Agreement (CNDA) to be signed before placing the supply order.

Bioinformatic Analysis for Whole Genome Sequencing

1. Raw Data QC and Report
2. Alignment Statistics and Report
3. Variation Calling Report (SNP, InDels)
4. Gene Annotation Table with Variations
5. Structural Variations (Inversion, Deletion, Insertion, Translocation, Transversion) analysis report
6. Comparative Genome analysis - Across selected genomes, High SNP and Low SNP Region, Geneic and NonGeneic SNPs, SNP Density Analysis, Synonymous and Nonsynonymous SNPs
7. Effect of Frameshift Indels on Gene Prediction
8. Submitting Data to NCBI -SRA
9. Support in providing write up on methods for manuscript purpose

Bioinformatic Analysis for mRNA Sequencing

1. Raw Data QC and Report
2. Read Alignment to reference genome and transcript Identification
3. Comprehensive Transcript Annotation
4. Functional Classification of Annotated Transcript

5. Expression Profiling, Quantification & Expression Profiling of transcripts
6. Differential Analysis among the conditions, Biological Significance Analysis of differentials
7. Inter and Intra Gene List Comparisons
8. Host pathogen interaction and its comparative analysis
9. Gene and Pathway enrichment analysis
10. GO and Pathways based Gene Regulatory Network Modelling
11. Submitting Data to NCBI- SRA
12. Support in providing write up on methods for manuscript purpose

Bioinformatic Analysis for miRNA Sequencing

1. Raw Data QC and Report
2. Known Small RNA analysis report
3. Identification and Quantitation of known miRNA
4. Expression Profiling and Differential Expression Analysis of known miRNAs
5. Novel miRNA Identification (In case of reference genome availability) and analysis report
6. Characterization of other small RNAs like siRNA, piRNA, SnoRNA, miRNA Target Prediction / Identification
7. Significant GO and Pathway Analysis of targets of differentially expressed miRNAs
8. Host pathogen interaction and its comparative analysis
9. Data to NCBI-SRA
10. Support in providing write up on methods for manuscript purpose

Asstt. Admin. Officer (P)