



Bid Number/बोली क्रमांक (बिड संख्या):  
GEM/2025/B/6034853  
Dated/दिनांक : 07-03-2025

### Bid Document/ बिड दस्तावेज़

| Bid Details/बिड विवरण  |  |
|--|--|
| Bid End Date/Time/बिड बंद होने की तारीख/समय  | 28-03-2025 16:00:00  |
| Bid Opening Date/Time/बिड खुलने की तारीख/समय   | 28-03-2025 16:30:00  |
| 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  |
| क्रेता ईमेल/Buyer Email  | buycon264.icari.hr@gembuyer.in   |
| Item Category/मद केटेगरी   | Nucleic Acid Sequencing and Genotyping Service - metabolite profiling; Microbes / Meta Genome; Cell or cell cultures; To be collected by the service provider from the buyer; LCMS GasChromatography; 95% and above; 100x; High throughput; Raw data, Prim..                   |
| Contract Period/अनुबंध अवधि  | 3 Month(s) 2 Day(s)  |
| Years of Past Experience Required for same/similar service/उन्हीं/समान सेवाओं के लिए अपेक्षित विगत अनुभव के वर्ष                     | 3 Year (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   | Experience Criteria,Certificate (Requested in ATC),OEM Authorization Certificate<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 |
| Do you want to show documents uploaded by bidders to all bidders participated in bid?/   | Yes  |

| <b>Bid Details/बिड विवरण</b>  |                             |
|---|-----------------------------|
| <b>Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया</b>   | No                          |
| <b>Type of Bid/बिड का प्रकार</b>  | Two Packet Bid              |
| <b>Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय</b> | 2 Days                      |
| <b>Evaluation Method/मूल्यांकन पद्धति</b>   | Total value wise evaluation |
| <b>Arbitration Clause</b>   | No                          |
| <b>Mediation Clause</b>   | No                          |

**EMD Detail/ईएमडी विवरण**

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

**ePBG Detail/ईपीबीजी विवरण**

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

**MII Compliance/एमआईआई अनुपालन**

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

**MSE Purchase Preference/एमएसई खरीद वरीयता**

|   |     |
|---|-----|
| MSE Purchase Preference/एमएसई खरीद वरीयता | Yes |
|---|-----|

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. Years of Past Experience required: The bidder must have experience for number of years as indicated above in bid document (ending month of March prior to the bid opening) of providing similar type of services to any Central / State Govt Organization / PSU. Copies of relevant contracts / orders to be uploaded along with bid in support of having provided services during each of the Financial year.
4. 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.

5. 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 - Metabolite Profiling; Microbes / Meta Genome; Cell Or Cell Cultures; To Be Collected By The Service Provider From The Buyer; LCMS GasChromatography; 95% And Above; 100x; High Throughput; Raw Data, Prim.. ( 15 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

| Specification  | Values  |
|--|---|
| <b>Core</b>  |   |
| Type of sequencing exercise to be done                   | metabolite profiling  |
| Type of organism for sequencing                          | Microbes / Meta Genome  |
| Type of sample   | Cell or cell cultures   |
| Sample collection option                                 | To be collected by the service provider from the buyer  |
| Which Chemistry / Platform you require                   | LCMS GasChromatography  |
| What quality reads per sample do you require             | 95% and above   |
| What depth /coverage do you require                      | 100x  |
| Service required for number of samples to be analyzed    | High throughput   |
| What kind of output data is required                     | Raw data , Primary analysis , Secondary analysis , Tertiary analysis , Modelling study        |
| Data Delivery Mode                                       | Cloud storage   |
| Data delivery timeframe                                  | 90 days   |
| What kind of QC parameters are required                  | System output QC parameters , Machine built QC parameters , Additional or extra QC parameters |
| Model of sequencing facility to be followed              | Inhouse , Collaborative , Hybrid  |
| Model of bioinformatics analysis facility to be followed | Inhouse , Collaborative , Hybrid  |
| Consent for the sample to be sent abroad for testing     | No  |

| Specification                             | Values   |
|---|--|
| Testing Lab Accreditations Certifications | ISO/IEC 17025 Testing and Calibration Laboratories |
| <b>Addon(s)/एडऑन</b>                      |  |

#### Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़

#### Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी

| S.No./क्र. सं. | Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी | Address/पता  | Number of samples | Additional Requirement/अतिरिक्त आवश्यकता |
|----------------|---|--|-------------------|--|
| 1              | Sunil   | 125001,ICAR-National Research Centre on Equines, Sirsa Road, Hisar | 15                | 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. 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.

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 are mandated to ensure compliance with all the applicable laws / acts / rules including but not limited to all Labour Laws 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. Any non-compliance will be treated as breach of contract and Buyer may take suitable actions as per GeM Contract.**

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 कार्रवाई का आधार होगा।

---Thank You/धन्यवाद---

**ICAR-NATIONAL RESEARCH CENTRE ON EQUINES**

**SIRSA ROAD HISAR – 125 001**

F. No.:21-546/S&P/23-24

Dated:07-03-2025

**Terms and Conditions for submission of online bids/tenders for metabolite profiling of mycobacterial spp such as M. kansasii and their mutants(15)as per Specifications attached in Annexure-I**

1. Interested eligible bidders are requested to submit their bids through GeM portal along with all necessary documents, as per the specifications and terms and conditions of bid document. The bid can be uploaded/ submitted as per dates of GeM portal.
2. Bid Security:- A Bid security declaration should be furnished by all the bidders (on company letter pad), if otherwise not exempted, stating 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 in future.
3. The Director, NRCE, Hisar reserves the right to accept or reject all or any of the bid in part or full without assigning any reason.

| <b>Sr. No.</b> | <b>Particulars/ Name of Equipment</b>  | <b>Quantity</b> |
|----------------|--|-----------------|
| <b>1.</b>      | <b><u>metabolite profiling of mycobacterial spp. such as M. kansasii and their mutants(15)</u></b> | <b>15</b>       |

4. The delivery of goods/equipment shall be F.O.R. NRCE, Hisar. The firm should clearly mention the delivery period, which normally should not be more than 90 days from the date of issue of order contract.
5. Bid should be inclusive of all packing and other forwarding expenses, freight insurance charges. The firms should give the rates of items per unit also. The prices quoted shall remain firm & fixed during their currency of the contract. The rates and prices quoted shall be in Indian rupees only. All duties, taxes etc. payable shouldbe included in the quoted prices.
6. Complete descriptions, specifications and make of all the goods/items quoted should be given. Printed literature/pamphlets should be sent with the bid, failing which the same may not be considered.
7. The purchaser will evaluate and compare the bid which are substantially responsive i.e. which are properly prepared and signed and meet the required terms and conditions, specifications etc. The purchaser will award the contract to the supplier whose quotation will be determined to be responsive and offers the best evaluated price.
8. The payment of goods is to be made on completion of satisfactory supply and installation. The supplier will have to send supply challans and delivery notes along with the supply and bill in triplicate indicating clearly the purchase Order No. date and other details of supply.
  - I. Bid shall remain valid for acceptance for a period as indicated on GeM portal.
  - 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 purchaser shall have the right to make deductions as per liquidated

damages clause. A sum equivalent to 0.5% of the delivery price of the delayed goods for each week of delay may be deducted. The maximum limit of such deduction will be of 10% of contract price. Once the maximum is reached, the purchaser will consider termination of the contract automatically.

9. A supplier shall not submit more than one bid for the same goods/services. The authorized firm/ dealer should submit bid along-with authorization letter from manufacturer firm, otherwise bid will not be entertained and rejected straightway.
10. The firm should invariably mention the registration No. of firm, GST No. etc., failing which quotation may not be considered.
11. An undertaking should be submitted along with bid to the effect that the firm has not been blacklisted/ debarred by any Govt. department/ Public sector undertaking during last 3 years.
12. All the disputes/litigation, if any is subject to Hisar jurisdiction only.
13. You are also requested to return this original tender enquiry (all the pages) at it is, duly signed on every page. Dealer may submit the authorization letter otherwise bid will be rejected.

Yours faithfully

s/d  
Assistant Administration 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/ organization 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 during last three years.
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/ organization 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)



**ORIGINAL EQUIPMENT MANUFACTURER (OEM)  
MANUFACTURER'S AUTHORIZATION LETTER**

Date: \_\_\_\_\_

To

The Director,  
ICAR-National Research Centre on Equines  
Hisar (Haryana)

Sub : OEM Authorization Certificate for GEM Bid No. \_\_\_\_\_

Dear Sir,

We the original manufacturer of \_\_\_\_\_ (name of equipment) at

\_\_\_\_\_ (address of factory)

do hereby authorize M/s \_\_\_\_\_ (Name of authorized firm) to submit a bid, negotiate and receive the order from you against your tender enquiry/GeM Bid No. \_\_\_\_\_

No company or firm or individual other than M/s \_\_\_\_\_

(name with complete address and phone number) is authorized to bid, and conclude the contract on our behalf against the above bid.

We hereby confirm the genuineness of the product being offered by the above authorized firm on our behalf. We also take the responsibility of warranty obligation being offered by the above authorized firm on our behalf.

We hereby extend our full guarantee for supplying of genuine product, its warranty and after sale service against the above bid.

We are aware that either the manufacturer or its authorized dealer can be considered as valid bidders and in case where the manufacturer has submitted the bid, the bid of its authorized dealer will not be considered.

Yours faithfully,

Signature of authorized signatory

**Note: This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to bind the manufacturer. It should be included by the Bidder in its techno-commercial unpriced bid.**

**Specifications for Metabolite profiling of mycobacterial spp.  
such as *M. kansasii* and their mutants**

- The bidder should have reproduce valid proof for duct comprehensive gas chromatograph-mass spectrometry (GC-MS) analysis of mycobacterial spp such as *M. kansasii* and their mutant samples. The analysis will be performed using the Shimadzu GCMS-QP2010 to identify, quantify, and characterize the chemical compounds present. The aim is to generate high-quality data and provide advanced bioinformatic analysis of the results.
- Metabolite profiling should be performed by using GCMS for mycobacterial spp. such as *M. kansasii* and their mutants and analysis should be done by using GC-MS Instrument
- Sample Requirement/sample supply: Samples must be collected by the bidder and sample preparation should do by the firm for the run using the GC-MS system.
- Bidder should provide complete details for sample preparation and solvent details.
- Perform gas chromatography-mass spectrometry analysis using the Shimadzu GCMS-QP2010 system.
- Bidder should perform Custom database / NIST14.L library for compound identification.
- Bidder should ensure high sensitivity and resolution during both quantitative and qualitative analysis.
- The system's quadrupole mass filter will be used to ensure the detection of low-abundance compounds.
- Bidder should RAW DATA from the GC-MS system.
- Bidder should provide complete List of identified compounds, presented in Excel format, with associated retention times, mass spectra, and other spectral information.
- Bioinformatic Analysis: In addition to the analytical results, the contractor must provide comprehensive bioinformatic analysis, including but not limited to:
  - ✓ Network Analysis: Mapping interactions between identified compounds, focusing on the metabolic and molecular interaction networks.
  - ✓ Pathway Analysis: Identifying the biochemical pathways that the identified compounds are involved in.
  - ✓ Heat Map Generation: Visualization of relative abundance of compounds across different samples or experimental conditions.
  - ✓ Comparative Analysis: Comparison of identified compounds and their abundance in various conditions, if relevant (e.g., different MTB strains or environmental conditions).
  - ✓ Graphs: Any relevant graphical representation of data, including chromatograms, mass spectra, and statistical comparisons.
- Bidder should ensure all equipment used is fully calibrated and compliant with industry standards.
- The method should allow for reproducible and stable results across multiple runs.
- Bidder should ensure high-quality spectral identification using NIST14.L database.
- Bidder should provide the final output must be submitted as follows:
  - ✓ Raw data in electronic format.
  - ✓ Excel file listing all identified compounds with accompanying spectral data.
  - ✓ Bioinformatic analysis report, including all required network, pathway, and comparative analyses, along with any graphical elements like heat maps and charts.
  - ✓ All data generated during the analysis is the property of the client and must be treated with strict confidentiality
  - ✓ Bidder should provide detailed information about their lab so that user can visit the facility and perform the analysis.
- Bidder should have minimum 10 publications from reputed institutions.