

**बिड दस्तावेज़ / Bid Document**

बिड विवरण / Bid Details	
बिड बंद होने की तारीख/समय / Bid End Date/Time	31-07-2025 11:00:00
बिड खुलने की तारीख/समय / Bid Opening Date/Time	31-07-2025 11:30:00
बिड पेशकश वैधता (बंद होने की तारीख से) / Bid Offer Validity (From End Date)	180 (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	Indian Instiute Of Spices Research
कुल मात्रा / Total Quantity	100
वस्तु श्रेणी / Item Category	Low Coverage Whole Genome Sequencing of Turmeric/ Ginger (3X) (genome size~ 1.11 Gb)
GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS	Low Coverage Whole Genome Sequencing of Turmeric/ Ginger (3X) (genome size ~ 1.11 Gb).
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Category not available on GeM for the text string uploaded by the buyer
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	<ul style="list-style-type: none"> <li>Taq DNA Polymerase</li> </ul>
बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) / Minimum Average Annual Turnover of the bidder (For 3 Years)	3 Lakh (s)
मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का) / OEM Average Turnover (Last 3 Years)	15 Lakh (s)
उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष / Years of Past Experience Required for same/similar service	3 Year (s)
वर्षों के अनुभव एवं टर्नओवर से एमएसई को छूट प्राप्त है / MSE Exemption for Years Of Experience and Turnover	Yes   Complete
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / Startup Exemption for Years of Experience and Turnover	No

बिड विवरण/Bid Details	
विक्रेता से मांगे गए दस्तावेज़/Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC),Compliance of BoQ specification and supporting document *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 दस्तावेज़ों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेनू है/Do you want to show documents uploaded by bidders to all bidders participated in bid?	No
बिड लगाने की समय-सीमा बढ़ाने के लिए आवश्यक न्यूनतम सहभागी विक्रेताओं की संख्या। / Minimum number of bids required to disable automatic bid extension	1
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	7
विगत प्रदर्शन /Past Performance	30 %
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
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
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
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#### ईपीबीजी विवरण /ePBG Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
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ईपीबीजी प्रतिशत (%) / ePBG Percentage (%)	5.00
ईपीबीजी की आवश्यक अवधि (माह) / Duration of ePBG required (Months).	5

(a). ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

**लाभार्थी / Beneficiary :**

Director, ICAR-IISR Kozhikode  
Indian Institute Of Spices Research, Department of Agricultural Research and Education (DARE), Indian Council of Agricultural Research (ICAR), Ministry of Agriculture and Farmers Welfare  
(Director)

**विभाजन/Splitting**

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

**एमआईआई खरीद वरीयता/MII Purchase Preference**

एमआईआई खरीद वरीयता/MII Purchase Preference	Yes
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**एमएसई खरीद वरीयता/MSE Purchase Preference**

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
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1. If the bidder is a Micro or Small Enterprise as per latest orders issued by Ministry of MSME, the bidder shall be exempted from the eligibility criteria of "Experience Criteria" as defined above subject to meeting of quality and technical specifications. The bidder seeking exemption from Experience Criteria, shall upload the supporting documents to prove his eligibility for exemption.
2. If the bidder is a Micro or Small Enterprise (MSE) as per latest orders issued by Ministry of MSME, the bidder shall be exempted 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 exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking exemption from Turnover, shall upload the supporting documents to prove his eligibility for exemption.
3. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
4. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM of the product offered in the bid {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts and delivery acceptance certificates like CRAC to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
5. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a

certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

6. Preference to Make In India products (For bids < 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.

[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.

7. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal 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 themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. In respect of bid 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 product or service and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the OM No. F.1/4/2021-PPD dated 18.05.2023 [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 seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

8. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 30% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

**एक्सेल में अपलोड किए जाने की आवश्यकता /Excel Upload Required :**

Compliance Report for Low Coverage Whole Genome Sequencing of Turmeric/ Ginger (3X) - [1752056159.xlsx](#)

### **Low Coverage Whole Genome Sequencing Of Turmeric/ Ginger (3X) (genome Size~ 1.11 Gb) ( 100 pieces )**

(क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक/Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

#### **तकनीकी विशिष्टियाँ /Technical Specifications**

क्रेता विशिष्टि दस्तावेज़ /Buyer Specification Document	<a href="#">Download</a>
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**प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

क्र.सं./S.N o.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Rebeena N	673012,Director ICAR-Indian Institute of Spices Research Marikunnu P O Kozhikode - 673012	100	15

**Buyer added Bid Specific Additional Scope of Work**

क्र.सं./S.N o.	Document Title	Description	रिवर्स प्रभार के अनुसार जीएसटी/Applicable i.r.o. Items
1	Low Coverage Whole Genome Sequencing of Turmeric/ Ginger (3X) (genome size ~ 1.11 Gb) at ICAR IISR Kozhikode <a href="#">View</a>	Details attached in Annexure IV	Low Coverage Whole Genome Sequencing Of Turmeric/ Ginger (3X) (genome Size~ 1.11 Gb) (100)

The uploaded document only contains Buyer specific Additional Scope of Work and / or Drawings for the bid items added with due approval of Buyer's competent authority. Buyer has certified that these additional scope and drawings are generalized and would not lead to any restrictive bidding.

**क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions****1. Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be  $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$ , subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

**2. Generic**

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address

ICAR Indian Institute of Spices Research  
Post Bag No.1701  
Marikunnu P O  
Kozhikode  
Kerala - 673012

### 3. **Generic**

**Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

### 4. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

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

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

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

Buyer Added text based ATC clauses

Bidder shall submit the following documents along with their bid

- 1 Copy of GSTIN
- 2 Copy of UDYAM Registration certificate for MSE's, if applicable
- 3 OEM authorization certificate
- 4 MII certificate, if any
- 5 Copy of Cancelled Cheque
- 6 Experience Criteria: The Bidder or its OEM should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt. Organization /PSU for 1 year before the bid opening date. Copies of relevant contracts to be submitted along with bid in.
- 7 Bidder is required to submit EMD (If applicable)
- 8 Bidder is required to submit PBG (If applicable)
- 9 Your billing address should be drawn in the name of "The Director, Indian Institute of Spices Research, Marikkunnu Po, Kozhikode-673012" may be send to the consignee together with the supporting documents/certificate/voucher/delivery receipt/ challan etc. for arranging payment after obtaining satisfactory installation certificate from the consignee.

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### 7. **Generic**

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

### 8. **Generic**

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

### 9. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Only supply of Goods

### 10. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of

Director  
payable at  
ICAR IISR Kozhikode

. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.

#### 11. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Payment online through RTGS / internet banking also (besides PBG which is allowed as per GeM GTC). On-line payment shall be in Beneficiary name

Indian Institute of Spices Research

Account No.

30302810771

IFSC Code

SBIN0000861

Bank Name

State Bank of India

Branch address

Main Branch, Kozhikode

. Successful Bidder to indicate Contract number and name of Seller entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer in place of PBG within 15 days of award of contract.

#### 12. **Generic**

Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.

### अस्वीकरण/**Disclaimer**

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. 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.
16. 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 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.**

[यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by 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---**





भाकृअनुप- भारतीयमसालाफसलअनुसंधानसंस्थान  
ICAR-INDIAN INSTITUTE OF SPICES RESEARCH  
( भारतीयकृषिअनुसंधानपरिषद्Indian Council of Agricultural Research)  
पी. बी. संख्या:Post Bag No: 1701, मेरिकुन्नुपोस्टMarikunnu Post,  
कोषिकोडKozhikode -673 012, केरलKerala, भारत India  
(ISO 9001:20015 Certified Institute)



F.No.4/739/2022-23/Stores

Dated: 09.07.2025

**NOTICE INVITING TENDER**

ICAR-IISR invites tenders for the Low Coverage Whole Genome Sequencing of Turmeric/ Ginger (3X) (genome size ~ 1.11 Gb) at ICAR IISR Kozhikode through GeM portal under custom bidding system from reputed firms.

Name of the Institute	ICAR - Indian Institute of Spices Research Kozhikode
Name of the Work	Low Coverage Whole Genome Sequencing of Turmeric/ Ginger (3X) (genome size ~ 1.11 Gb).
Place of Supply, Installation Commissioning, Support etc.	ICAR - Indian Institute of Spices Research, Post Bag No: 1701, Marikunnu Post, Kozhikode -673 012, Kerala, India.
Date of Release of Tender	09.07.2025
Indent Number	PIC103251
Place of opening of technical bids	ICAR -Indian Institute of Spices Research Kozhikode.

Sd/-  
Administrative Officer  
For Director

Government e-Marketplace (GeM) is the National Public Procurement Portal; an end-to-end online Marketplace for Central and State Government Ministries / Departments, Central & State Public Sector Undertakings (CPSUs & SPSUs), Autonomous institutions and Local bodies, for procurement of common use goods & services. The portal is owned and managed by GeM SPV which is a Section 8 (Non-Profit) Company registered under the Companies Act, 2013. GeM SPV operates, monitors and supervises all the business transactions on the portal through the Managed Service Provider as per roles and responsibilities defined in the Legal Framework Document available on GeM portal.

## **2. General Terms and Definitions:**

**A.APPLICABLE LAWS** shall mean any statute, law, ordinance, notification, rule, regulation, judgment, order, decree, bye-law, approval, directive, guideline, policy or other governmental restriction as may be in effect.

**B.GOODS** shall mean an Article / product or an intangible product like software, technology transfer, licenses, patents or other intellectual properties being offered for sale on the GeM portal by Seller(s) on GeM. The term 'Goods' shall also include works and services which are incidental or consequential to the supply of such goods, such as, transportation, insurance, installation, commissioning, training and guarantee / warrantee obligations as defined in the scope of supply given in the contract.

**C.SERVICES** shall mean the services offered or provided by the Seller such as IT Professional Services, Manpower Services, Security Services, Transport Services, etc. listed as Services on GeM. The term 'Service' shall also include supply of goods / articles which are incidental or consequential to the provisioning of such Services as defined in the scope of supply given in the contract.

**D.SERVICE LEVEL AGREEMENT (SLA)** shall mean the Contractual Commitment that prevails between the Buyer and the Service Provider with regard to type of service to be provided, deliverables, desired performance level, reliability and responsiveness, monitoring process and service level reporting, response and issue resolution time-frame, repercussions / penalties / remedies for service provider not meeting its commitment. The SLA of a particular contract may carry the matrix regarding the delivery of the goods and/or services and the corresponding penalties or remedies and liquidated damages as applicable.

**E.CATEGORY SPECIFICATION** shall mean the framework of technical features, functional capabilities, technical properties, certifications of the items etc. in a particular category. The Specifications shall identify the key parameters defining the products with all necessary validations related to configuration, type of data, restrictions, range / allowed values, allowed units etc. Sellers as well as Buyers while offering / buying the Goods / services shall have to comply with the validation rules / restrictions provided for in the Category Specification. Buyers / Sellers can not add parameters and / or drop down values not provided for in category Specification. If any Buyer / Seller desire to add new parameter, value, validation etc. against any category specification, they have to raise request for the same to GeM for incorporation in Category Specification.

**F.BUYER**”is the Contract placing authority, which includes Central/State Government Ministries/Departments including its attached/subordinate offices, Central/State Public SectorUnits (PSUs) and Autonomous Bodies acting through its authorized officer(s) for and on behalf of President of India/Governor of the State /PSU/Autonomous Bodies, as the case may be, for purchase of Goods/Services offered by Sellers on GeM.

**G.SELLER / SERVICE PROVIDER**”onGeM shall mean any legal entity such as firm(s) ofProprietorship / Partnership Firm / Limited Liability Partnership / Private Limited / Limited company / Society registered under Society’s Act / Statutory Bodies etc., registered on GeM to sellits Good(s) / Service(s) to the Buyers registered on GeM. The “Seller on GeM” will be either OEM (Original Equipment Manufacturer\*) or Seller having authorization to sell products manufactured by the OEM in open market.\* OEM is the owner of the Brand / Trademark of the product being offered or in case of un-registered brand’s products / products with own brand, the actual manufacturer of the final product.

In case of Services related to Goods, Service Provider on GeM will be either OEM or Service Provider having authorization to Service products manufactured by that OEM in open market. In respect of other Services, Service Provider on GeM will be any legal entity offering its services.By registering on GeMportal , Seller / Service Provider herebyagrees to be bound by these General Terms and Conditions for Sale / Purchase of Goods and / or Services (GTC); Product / Service Specific Special Terms and Conditions (STC) and Service Level Agreements (SLAs) for various Services; and Additional (Bid Specific) Terms and Conditions (ATC) as applicable. For the purpose of this document and transactions on GeM, Seller as well as Service Provider will be referred to as “Seller”

**H.USER ID and PASSWORD**”All users including Buyers and Sellers (primary as well as secondary) will get User ID and Password created on GeM following due registration process defined on GeM. It is the responsibility of the user to keep their User ID and Password secure and confidential. Individual user shall be solely and completely responsible for all transactions taking place on GeM portal using his / her User Id and Password and GeM shall not be responsible in any manner.

**I.LICENSE**”shall mean by registering the Seller and by offeringProduct / Service details on GeM, the Seller grants GeM anon-exclusive, royalty-free, irrevocable, perpetual and fully sub-licensable right to use, reproduce, modify, adapt, publish, translate, distribute, and/or display the content/materials which has been submitted to GeM excluding Aadhaar No. In case ofregistration of Primary user and creation of secondary user(s) by the Buyer/Seller, their Aadhaar(UID) details collected by GeM are solely for user verification and to apply e-signing on the documents. The e-sign is at par with digital signatures as per Information Technology Act Amendment 2008 and it works based on details available in Aadhaar database of UIDAI and there is no interference / intrusion in their personal details.

**J. CONTRACT**”shall mean the purchase order created / issued by the Buyer on GeM for supply of Goods / Services in electronic form which includes scope of supply, delivery instructions and specifications etc. as ordered by Buyer against such Contract besides the subject GTC, STC/ATC as the case may be.3.Role, Responsibilities and Obligations Of Seller/ Buyer:A.Role and Responsibilities of Sellers on GeM are as under:

I. Only Director (s) / Partner (s) / Proprietor (as applicable) are authorized to become Primary User and register any legal entity on GeM as Seller.

ii. Once Seller/Service Provider is registered and account is created on GeM, the Primary user of the Seller/Service Provider can create Secondary User Accounts within Seller/Service Provider Organization with different Roles and Responsibilities. However, the Primary User creating Secondary User accounts shall continue to be fully responsible and accountable for all actions / transactions done by Secondary Users on GeM Portal.

iii. Since GeM is a trust based Portal, the complete accuracy and integrity of data submitted in respect of the Seller and also in respect of the Goods / Services offered on GeM will be the sole responsibility of the Seller/Service Provider. Seller will be liable for administrative action as per GeM terms and conditions in case of any discrepancy / infirmity in any data / information submitted on GeM.

iv. The Primary / Secondary Users of Sellers, offering Goods/Services and/or participating in e-Bidding / Reverse Auction on GeM, must ensure that they have the requisite authorization to enter into contract with Buyer(s) in GeM for and on behalf of the Seller, failing which such Seller as well as the individual(s) shall be vicariously liable for its actions and also for any liability arising out of such actions.

v. Seller can offer any number of products. However, it will be the sole responsibility of the seller to satisfy themselves regarding possessing the requisites for doing business for the offered product(s). The Sellers are solely responsible for ensuring that there is no violation of any Intellectual Property Rights in their offer for sell / providing service on GeM.

vi. The Seller should not exercise any corrupt influence on any aspect of contract and commit to take all measures necessary to prevent corruption maintaining complete transparency, integrity and fairness in all activities related to GeM.

vii. The seller would represent its business on the GeM portal and is mandated to comply with all the terms and conditions of the platform. Sellers would be solely and absolutely responsible for the information provided about their organization, business, products and services on the portal and would be required to produce proof of such information, if requested at any point in time by the Buyer and / or GeM.

viii. GeM would not allow creation of any fresh data related to Seller identity on GeM portal. All details provided by the Seller at the time of registration would be counter checked / verified through other data bases of Government such as PAN, MCA 21, Udyog Aadhaar etc. For Financial details, PAN / Income tax Database shall be primary validating database and will override any conflicting data in any other database. If the data / details entered by the seller while registering on GeM is not verified with validating databases, registration will not be allowed. Further, in case of any conflict in details after registration, Seller's registration would be automatically suspended. It is the Seller's responsibility to keep all their information on GeM updated with the latest change(s). Non-updating of details on GeM within 7 days of such occurrence would make Seller liable for administrative actions.

ix. Eligibility of Sellers in terms of Turn Over / Past Performance / Profitability etc. and also their eligibility for availing various benefits / advantages in terms of various Govt. Policies / Guidelines / Acts / Laws etc. shall be determined solely on the basis of data fetched /

validated or verified through external agency / owner of that set of database such as Income Tax / PAN Data Base, MCA 21, UdyogAadhaar, GSTN, Certifying Agencies such as BIS, BEE etc. In case of any discrepancy in data available in these databases, Seller has to get the same updated in the corresponding validating database before updating the same on GeM. Till such time only the existing validated information shall be used to decide seller's eligibility on GeM. Any default in sellers updating their data on partner sites / validating databases and any fall out of the same impacting adversely any transaction on GeM, shall entirely and exclusively be Seller's responsibility. GeM shall not be responsible for any consequential impact on any GeM transaction due to data discrepancy and / or suspension of seller account due to data discrepancy. Seller will be solely responsible for the same.

x. The Seller shall be solely responsible for the Goods / Services including, without limitation, the applicable guarantee / warranty, shelf-life, quantity, quality and the title and for giving the correct and accurate details of the offer their Goods and / or /Services indicating product specifications, quantity which can be supplied over the specified time period, etc. as per catalogue or catalogue based template prescribed in GeM. Seller would ensure that the Goods or /Services offered are latest, new and complete in all respects. Where Seller is selling any Goods which needs spare parts, Seller should ensure and make available such spare parts for a minimum period of three years from the date of expiry of warranty period (unless otherwise specified). The individual Sellers shall ensure that the products offered in e-Bidding and/or ordered shall remain available on GeM during the bid / contract validity period.

xi. Sellers shall offer minimum discount of 10% on the Maximum Retail Price (MRP) mandatorily (unless otherwise specified for offering their products on GeM). Sellers are free to offer higher discounts. The Seller must offer its best possible lowest price to GeM and undertake that it would not sell or offer to sell the same product in comparable quantity at a price equal to or lower than Offer Price on GeM. In case any such infringement by Seller is noticed, the Seller shall be liable to be removed/ debarred from the GeM.

xii. By offering their product on GeM, the Seller agrees for sharing price details of the offered Goods / Service by GeM authorities with other Government agencies including Department of Excise & Customs, Income tax, GST etc.

xiii. Listing of Goods / Services in irrelevant / inappropriate categories is strictly prohibited. If any such infringement made by Seller leads to placement of a contract by any Buyer for such inappropriately offered product(s)/service(s) by the Seller, such contract shall be treated as null and void. No claim whatsoever against such contract shall be admissible and entertained.

xiv. The Seller(s) shall pass on all the benefits associated with any scheme / offer / freebies provided by the OEM on any product from time to time on an "as-is basis" to the Buyer. This obligation will also apply to OEM's directly supplying the goods. Holding back any such offer or accounting such freebies in quantity supplied shall make such consignments liable to be rejected by the consignee and shall also be considered as inappropriate and against the GeM policies for which GeM reserves all rights to take necessary action against such Seller/OEM as deemed fit.

### **ANNEXURE I: INVITATION FOR BIDS (IFB)**

- 1.** ICAR-Indian Institute of Spices Research Calicut, Kerala is the premier Research Institution with the mandate of conducting research program on Spices Crops in the country and functioning under the administrative control of Indian Council for Agricultural Research, Ministry of Agriculture & Farmers Welfare, and Government of India.

ICAR-IISR invites 'ONLINE' bids from eligible bidders for Low Coverage Whole Genome Sequencing of Turmeric/ Ginger (3X) (genome size ~ 1.11 Gb) at ICAR-IISR Kozhikode.

- 2.** Contact information:

ICAR –Indian Institute of Spices Research, KozhikodPost Bag No: 1701, Marikunnu Post, Kozhikode -673 012, Kerala,India Tel No.: EPABX: 0091- 495 2731410, 2730906, 2731345 E-mail: [store.spices@icar.gov.in](mailto:store.spices@icar.gov.in), [director.spices@icar.gov.in](mailto:director.spices@icar.gov.in)

- a.** The Technical Bid along with supporting printed catalogue published by the principal manufacturer of the items quoted and detailed terms and conditions, complete in all respects with proper seal and signature of authorized person with name, designation, email id and contact no.

In case bidder requires any clarifications / information, they may contact ICAR –Indian Institute of Spices Research, Post Bag No: 1701, Marikunnu Post, Kozhikode -673 012, Kerala,India Tel No.: EPABX: 0091- 495 2731410, 2730906, 2731345 E-mail: [store.spices@icar.gov.in](mailto:store.spices@icar.gov.in), [director.spices@icar.gov.in](mailto:director.spices@icar.gov.in)

## **ANNEXURE II: INSTRUCTIONS TO BIDDERS (ITB)**

### **1. Locations for the Supply:**

The entire products as described in Schedule of Requirements must be supplied at ICAR-IISR Kozhikode, Kerala

### **2. Delivery Period:**

All the items covered in the Schedule of Requirements (Annexure – IV) must be supplied within 2-3 weeks from the date of placement of order.

### **3. Order Placements:**

The Supply Order shall be released by: ICAR –Indian Institute of Spices Research, Post Bag No: 1701, Marikunnu Post, Kozhikode -673 012, Kerala,India Tel No.: EPABX: 0091- 495 2731410, 2730906, 2731345 E-mail: [store.spices@icar.gov.in](mailto:store.spices@icar.gov.in), [director.spices@icar.gov.in](mailto:director.spices@icar.gov.in)

The payments shall be released by: ICAR –Indian Institute of Spices Research, Post Bag No: 1701, Marikunnu Post, Kozhikode -673 012, Kerala,India Tel No.: EPABX: 0091- 495 2731410, 2730906, 2731345 E-mail: [store.spices@icar.gov.in](mailto:store.spices@icar.gov.in), [director.spices@icar.gov.in](mailto:director.spices@icar.gov.in)

### **4. Eligibility Criteria:**

- a. The bidder should have executed similar type of orders with other Central / State /PSU /Govt. Societies for a minimum of 2` years.
- b. The bidders should submit the required documents / financial instruments as stipulated.
- c. The bidder must not be blacklisted by IISR or any other Educational/R&D/Govt. organizations. A certificate or undertaking to this effect must be submitted.

**Note: The bidders should provide sufficient documentary evidence to support the eligibility criteria. IISR reserves the right to reject any bid not fulfilling the eligibility criteria.**

### **5. Amendment to Bidding Documents**

5.1 At any time prior to the deadline for submission of bids, IISR may, for any reason,whether on its own initiative or in response to the clarification request by a prospective bidder, modify the bid document.

5.2 IISR at its discretion may extend the deadline for the submission of bids if it thinks necessary to do so or if the bid document undergoes changes during the bidding period, in order to give prospective bidders time to take into consideration the amendments while preparing their bids.

### **8. Period of validity of bids**

- 8.1 Bids shall be valid for minimum 180 days from the date of submission. A bid valid for a shorter period shall stand rejected.

### **9. Bid Opening & Evaluation of Bids**

#### **11.1 The technical bids will be evaluated in two steps.**

- The bids will be examined based on eligibility criteria stipulated at Para 4 of Annexure – II to shortlist the eligible bidders.
- The technical bids of only the short listed eligible bidders shall be evaluated based on technical specifications stipulated at Annexure – IV.

### **13 Award of Contract**

- 13.1 ICAR-IISR Kozhikode shall award the contract to the eligible bidder whose technical bid has been accepted and determined as the lowest evaluated commercial bid based on the Grand Total calculated of all items + taxes etc. of the Commercial Bids. However, ICAR-IISR Kozhikode reserves the right and has sole discretion to reject the lowest evaluated bid.
- 13.2 If more than one bidder happens to quote the same lowest price, ICAR-IISR Kozhikode reserves the right to decide the criteria and further process for awarding the contract, decision of IISR shall be final for awarding the contract.

### **14 Purchaser's Right to amend / cancel**

- 14.1 ICAR-IISR Kozhikode reserves the right to amend the eligibility criteria, Commercial terms & conditions, Scope of Supply, technical specifications etc.
- 14.2 ICAR-IISR Kozhikode reserves the right to cancel the entire tender without assigning any reasons thereof.



### **ANNEXURE III: SPECIAL CONDITIONS OF CONTRACT (SCC)**

#### **1. Prices**

- 1.1. The price quoted shall be considered firm and no price escalation will be permitted. GST rate should be separately.
- 1.3. The prices quoted must be inclusive of all other taxes, packing & forwarding, freight, insurance, customs clearance and allied charges till destination. The rate of taxes, charges must be mentioned in the 'commercial bid format'. IISR will arrange to issue customs duty exemption certificate, subject to bidder completing the documentation requirements.

#### **5. Payments:**

- 5.1. 100% after Delivery, installation and acceptance by ICAR-IISR Kozhikode within 90 Days through NEFT or PFMS – TSA

**ANNEXURE – IV: SCHEDULE OF REQUIREMENTS**

**Low Coverage Whole Genome Sequencing of Turmeric/ Ginger (3X) (genome size ~ 1.11 Gb) at ICAR IISR Kozhikode ([PI103633](#)).**

Sl. No.	Item name	Specification	Quantity	Unit of Measure
1.	Low Coverage Whole Genome Sequencing of turmeric / ginger (3X) (genome size ~1.11Gb)	DNA Extraction, Sample QC, PCR free library prep, Library QC, Illumina PE150, ~3X Coverage, 3GB data per sample, with the number of clonal/duplicated reads should be less than 5%. Data QC with high quality filtered clean data (90% bases should have >Q30), Reference Mapping, Variant Calling (SNPs and InDels) and Variant Annotation, GWAS Analysis, Figures and Tables suitable for publication in high impact journals.	100	Nos

**Terms and Conditions to be followed by the Participating Firm:**

1. Company should have in-house lab facility and sequencing platform, proof of the same has to be provided by the firm.
2. All the detailed information including description of all the steps and protocol followed, QC details of all the steps, all the raw and high-quality filtered data for each library in a hard disc or via ftp download should be provided.
3. The company should have experience of at least five years in providing similar services like whole genome sequencing or low coverage whole genome sequencing particularly in plants and should provide evidence for experience in successful execution of at least 10 similar projects in public funded institutions.
4. Minimum 10 good track record supported by strong client testimonials from public funded organization dealing with plants should be provided.
5. The samples collection arrangement should be done by the firm and the cost of transportation including packing in dry ice if required should be included in the quotation.
6. It is mandatory for the participating firms to provide a compliance statement in the form of a table stating yes/no to the indented specifications and deviations if any (even if it is a higher specification) with proper justification.
7. Failure to provide a compliance statement will result in rejection of the firm.

**TENDER ACCEPTANCE LETTER**

(To be given on Company Letter Head).

To:  
Director  
ICAR-Indian Institute of Spices Research  
Marikunnu (PO)  
Kozhikode – 673012  
Kerala

SUB: Acceptance of Terms & Conditions of Tender.  
Tender Reference No: **Tender No: F.No.4/739/2022-23/Stores**

Name of Tender: **Low Coverage Whole Genome Sequencing of Turmeric/ Ginger  
(3X) (genome size ~ 1.11 Gb) at ICAR IISR Kozhikode**

Dear Sir,

I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely: [store.spices@icar.gov.in](mailto:store.spices@icar.gov.in), [director.spices@icar.gov.in](mailto:director.spices@icar.gov.in) etc.; as per your NIT / advertisement, given in the above-mentioned website(s).

1. I / We hereby certify that I / We have read the entire terms and conditions of the tender documents from Page No.1 to 14 (including all documents like annexure(s), schedules(s), etc.), which form part of the contract agreement and I / We shall abide hereby by the terms / conditions/ clauses contained therein.
2. The corrigendum(s) issued from time to time by your department / organization too has also been taken into consideration, while submitting this acceptance letter.
3. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(S) / corrigendum(s) in its totality / entirety.
4. I / We do hereby declare that our Firm has not been blacklisted / debarred by any Govt. Department/Public sector undertaking.
5. 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 fully said earnest money deposit absolutely.

Yours Faithfully,

Authorized Signatory.

(Signature of the Bidder, with Official Seal)  
Email id for correspondence.

Low Coverage Whole Genome Sequencing of Turmeric/ Ginger (3X) (genome size ~ 1.11 Gb)  
at ICAR IISR Kozhikode

SL. No.	Item name	Specification	Quantity	Unit of Measure
1.	Low Coverage Whole Genome Sequencing of turmeric / ginger (3X) (genome size ~1.11Gb)	DNA Extraction, Sample QC, PCR free library prep, Library QC, Illumina PE150, ~3X Coverage, 3GB data per sample, with the number of clonal/duplicated reads should be less than 5%. Data QC with high quality filtered clean data (90% bases should have >Q30), Reference Mapping, Variant Calling (SNPs and InDels) and Variant Annotation, GWAS Analysis, Figures and Tables suitable for publication in high impact journals.	100	Nos.

**Terms and Conditions to be followed by the Participating Firm:**

1. Company should have in-house lab facility and sequencing platform, proof of the same has to be provided by the firm.
2. All the detailed information including description of all the steps and protocol followed, QC details of all the steps, all the raw and high-quality filtered data for each library in a hard disc or via ftp download should be provided.
3. The company should have experience of at least five years in providing similar services like whole genome sequencing or low coverage whole genome sequencing particularly in plants and should provide evidence for experience in successful execution of at least 10 similar projects in public funded institutions.
4. Minimum 10 good track record supported by strong client testimonials from public funded organization dealing with plants should be provided.
5. The samples collection arrangement should be done by the firm and the cost of transportation including packing in dry ice if required should be included in the quotation.
6. It is mandatory for the participating firms to provide a compliance statement in the form of a table stating yes/no to the indented specifications and deviations if any (even if it is a higher specification) with proper justification.
7. Failure to provide a compliance statement will result in rejection of the firm.

### COMPLIANCE REPORT

Sl.No.	Item Details	Complied	Not Complied	Remarks
1	<b>Low Coverage Whole Genome Sequencing of turmeric / ginger (3X) (genome size ~1.11Gb):</b>			
2	DNA Extraction			
3	Sample QC			
4	PCR free library prep			
5	Library QC			
6	Illumina PE150			
7	~3X Coverage			
8	3GB data per sample, with the number of clonal/duplicated reads should be less than 5%			
9	Data QC with high quality filtered clean data (90% bases should have >Q30)			
10	Reference Mapping			
11	Variant Calling (SNPs and InDels)			
12	Variant Annotation			
13	GWAS Analysis			
14	Figures and Tables suitable for publication in high impact journals			
15	Company should have in-house lab facility and sequencing platform, proof of the same has to be provided by the firm.			
16	All the detailed information including description of all the steps and protocol followed, QC details of all the steps, all the raw and high-quality filtered data for each library in a hard disc or via ftp download should be provided.			
17	The company should have experience of at least five years in providing similar services like whole genome sequencing or low coverage whole genome sequencing particularly in plants and should provide evidence for experience in successful execution of at least 10 similar projects in public funded institutions.			
18	Minimum 10 good track record supported by strong client testimonials from public funded organization dealing with plants should be provided.			
19	The samples collection arrangement should be done by the firm and the cost of transportation including packing in dry ice if required should be included in the quotation.			
20	It is mandatory for the participating firms to provide a compliance statement in the form of a table stating yes/no to the indented specifications and deviations if any (even if it is a higher specification) with proper justification.			