

**बिड दस्तावेज़ / Bid Document**

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	11-02-2026 15:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	11-02-2026 15:30:00
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	National Bureau Of Animal Genetic Resources Karnal
कुल मात्रा/Total Quantity	136
वस्तु श्रेणी /Item Category	Transcriptomics using Ribo minus RNA Sequencing Coding plus Non Coding , ONT Ultra Long Sequencing , Whole Genome Resequencing using illumina short read sequencer , Hi C Sequencing , Whole Genome Sequencing WGS using PacBio Revio , Whole Genome Sequencing , Whole Genome Metagenome Sequencing , Transcriptome Sequencing Blood
GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS	Transcriptomics using Ribo-minus RNA Sequencing (Coding+Non Coding), ONT Ultra Long Sequencing, Whole Genome Resequencing using illumina short read sequencer, Hi-C Sequencing, Whole Genome Sequencing (WGS) using PacBio Revio, Whole Genome Sequencing, Whole Genome Metagenome Sequencing, Transcriptome Sequencing (Blood)

बिड विवरण/Bid Details	
<b>GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS</b>	<p><b>Searched String:</b> Transcriptomics using Ribo-minus RNA Sequencing (Coding+Non Coding)</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> ONT Ultra Long Sequencing</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> Whole Genome Resequencing using illumina short read sequencer</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> Hi-C Sequencing</p> <p>Nucleic Acid Sequencing and Genotyping Service, Monthly Basis Cab &amp; Taxi Hiring Services, Hiring of Consultancy Services - Percentage based, Hiring of Consultants - Per Person Per Month Based, Hiring of Consultant for Energy Efficiency Services, Hiring of Chartered Aircrafts, Project Management Consultancy (PMC) Service for NHAI, Hiring of Earth Moving Equipments, Material Handling Equipments and Cranes (per Hour basis), Manpower Outsourcing Services - Man-days based, On Spot Vehicle Hiring Service</p> <p><b>Searched String:</b> Whole Genome Sequencing (WGS) using PacBio Revio</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> Whole Genome Sequencing</p> <p>Nucleic Acid Sequencing and Genotyping Service</p> <p><b>Searched String:</b> Whole Genome Metagenome Sequencing</p> <p>Nucleic Acid Sequencing and Genotyping Service</p> <p><b>Searched String:</b> Transcriptome Sequencing (Blood)</p> <p>Nucleic Acid Sequencing and Genotyping Service</p>
<b>अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification</b>	<ul style="list-style-type: none"> <li>• DNA Capillary Sequencer (V2)</li> </ul>
<b>एमएसएमई के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है/MSE Relaxation for Years of Experience and Turnover</b>	No
<b>स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है /Startup Relaxation for Years of Experience and Turnover</b>	No
<b>विक्रेता से मांगे गए दस्तावेज़/Document required from seller</b>	<p>Certificate (Requested in ATC)</p> <p>*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</p>

बिड विवरण/Bid Details	
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेजों 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?	Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension	3
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	5
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	3
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	No
बिड का प्रकार/Type of Bid	Two Packet Bid
प्राथमिक उत्पाद श्रेणी/Primary product category	Transcriptomics using Ribo minus RNA Sequencing Coding plus Non Coding
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
अनुमानित बिड मूल्य /Estimated Bid Value	5431000
मूल्यांकन पद्धति/Evaluation Method	Item wise evaluation
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

#### ईएमडी विवरण/EMD Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
Schedule 1 ईएमडी राशि/EMD Amount (In INR)	22500
Schedule 2 ईएमडी राशि/EMD Amount (In INR)	28800
Schedule 3 ईएमडी राशि/EMD Amount (In INR)	2130
Schedule 4 ईएमडी राशि/EMD Amount (In INR)	18000
Schedule 5 ईएमडी राशि/EMD Amount (In INR)	38400

Schedule 6 ईएमडी राशि/EMD Amount (In INR)	30000
Schedule 7 ईएमडी राशि/EMD Amount (In INR)	15000
Schedule 8 ईएमडी राशि/EMD Amount (In INR)	8100

#### ईपीबीजी विवरण /ePBG Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईपीबीजी प्रतिशत (%) /ePBG Percentage(%)	5.00
ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months).	12

(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित कैटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने है। एमएसई कैटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।/EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). The EMD Amount will be applicable for each schedule/group selected during Bid creation.

(c). 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 :

AAO

NATIONAL BUREAU OF ANIMAL GENETIC RESOURCES KARNAL, Department of Agricultural Research and Education (DARE), Indian Council of Agricultural Research (ICAR), Ministry of Agriculture and Farmers Welfare (Yoginder)

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

#### एमआईआई खरीद वरीयता / MII Purchase Preference

एमआईआई खरीद वरीयता / MII Purchase Preference	Yes
मेक इन इंडिया विक्रेताओं को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ तक की सीमा में है / Purchase Preference to MII sellers available upto price within $L1+X\%$	20
मेक इन इंडिया खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MII purchase preference	50

सार्वजनिक खरीद (मेक-इन-इंडिया को प्राथमिकता) आदेश 2017 के अनुसार केवल क्लास 1/क्लास 2 के स्थानीय आपूर्तिकर्ताओं को ही भागीदारी की अनुमति है दिनांक 16.09.2020 (समय-समय पर संशोधित एवं लागू) / Allow participation only from Class 1/Class 2 local suppliers as per the Public procurement(Preference to Make-in-india) order 2017 date 16.09.2020(as amended and applicable time to time)	Yes, in compliance with the MII ORDER : DPIIT Order(as amended and applicable time to time)
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#### एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ तक की सीमा में हो / Purchase Preference to MSE OEMs available upto price within $L1+X\%$	15
सूक्ष्म और लघु उद्यम को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MSE purchase preference	25

1. 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.

2. 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.

3. 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.

**मूल्यांकन विधि(मदवार मूल्यांकन विधि) / Evaluation Method ( Item Wise Evaluation Method )**

Contract will be awarded schedulewise and the determination of L1 will be done separately for each schedule. The details of item-consignee combination covered under each schedule are as under:

मूल्यांकन अनुसूचियां / <b>Evaluation Schedules</b>	अनुमानित मूल्य / <b>Estimated Value</b>	वस्तु/श्रेणी / <b>Item/Category</b>	मात्रा / <b>Quantity</b>
Schedule 1	750000	Transcriptomics Using Ribo Minus Rna Sequencing Coding Plus Non Coding	27
Schedule 2	960000	Ont Ultra Long Sequencing	1
Schedule 3	71000	Whole Genome Resequencing Using Illumina Short Read Sequencer	1
Schedule 4	600000	Hi C Sequencing	1
Schedule 5	1280000	Whole Genome Sequencing Wgs Using Pacbio Revio	1
Schedule 6	1000000	Whole Genome Sequencing	40
Schedule 7	500000	Whole Genome Metagenome Sequencing	50
Schedule 8	270000	Transcriptome Sequencing Blood	15

**Transcriptomics Using Ribo Minus RNA Sequencing Coding Plus Non Coding**

(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**

<b>Specification Document</b>	<a href="#">View File</a>
<b>BOQ Detail Document</b>	<a href="#">View File</a>

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

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

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Ramesh Behl	132001,ICAR-National Bureau of Animal Genetic Resources, Makrampur Campus, G.T.Road By Pass, Near Basant Vihar, P.O.Box No. 129 Karnal-132001 (Haryana), India	27	30

### ONT Ultra Long Sequencing

(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

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#### परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Ramesh Behl	132001,ICAR-National Bureau of Animal Genetic Resources, Makrampur Campus, G.T.Road By Pass, Near Basant Vihar, P.O.Box No. 129 Karnal-132001 (Haryana), India	1	30

### Whole Genome Resequencing Using Illumina Short Read Sequencer

(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

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**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Ramesh Behl	132001,ICAR-National Bureau of Animal Genetic Resources, Makrampur Campus, G.T.Road By Pass, Near Basant Vihar, P.O.Box No. 129 Karnal-132001 (Haryana), India	1	30

**Hi C Sequencing**

(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**

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BOQ Detail Document	<a href="#">View File</a>

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Ramesh Behl	132001,ICAR-National Bureau of Animal Genetic Resources, Makrampur Campus, G.T.Road By Pass, Near Basant Vihar, P.O.Box No. 129 Karnal-132001 (Haryana), India	1	30

**Whole Genome Sequencing WGS Using PacBio Revio**

(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**



<b>Specification Document</b>	<a href="#">View File</a>
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**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Ramesh Behl	132001,ICAR-National Bureau of Animal Genetic Resources, Makrampur Campus, G.T.Road By Pass, Near Basant Vihar, P.O.Box No. 129 Karnal-132001 (Haryana), India	1	30

**Whole Genome Sequencing**

(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**

<b>Specification Document</b>	<a href="#">View File</a>
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Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Ramesh Behl	132001,ICAR-National Bureau of Animal Genetic Resources, Makrampur Campus, G.T.Road By Pass, Near Basant Vihar, P.O.Box No. 129 Karnal-132001 (Haryana), India	40	30

## Whole Genome Metagenome Sequencing

(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

<b>Specification Document</b>	<a href="#">View File</a>
<b>BOQ Detail Document</b>	<a href="#">View File</a>

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

### परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Ramesh Behl	132001,ICAR-National Bureau of Animal Genetic Resources, Makrampur Campus, G.T.Road By Pass, Near Basant Vihar, P.O.Box No. 129 Karnal-132001 (Haryana), India	50	30

## Transcriptome Sequencing Blood

(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

<b>Specification Document</b>	<a href="#">View File</a>
<b>BOQ Detail Document</b>	<a href="#">View File</a>

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

### परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Ramesh Behl	132001,ICAR-National Bureau of Animal Genetic Resources, Makrampur Campus, G.T.Road By Pass, Near Basant Vihar, P.O.Box No. 129 Karnal-132001 (Haryana), India	15	30

## 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

Bidders shall quote only those products (Part of Service delivery) in the bid which are not obsolete in the market and has at least 3 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.

### 3. 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 %.

### 4. 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.

### 5. 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.

### 6. Generic

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

### 7. Generic

#### Malicious Code Certificate:

The seller should upload following certificate in the bid:-

(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-

- (i) Inhibit the desires and designed function of the equipment.
- (ii) Cause physical damage to the user or equipment during the exploitation.
- (iii) Tap information resident or transient in the equipment/network.

(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

#### 8. **Generic**

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

#### 9. **Generic**

1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.

#### 10. **Generic**

The seller is required to print logo as per buyer's requirement.

#### 11. **Generic**

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

#### 12. **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.

#### 13. **Turnover**

Bidder Turn Over Criteria: 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 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.

#### 14. **Turnover**

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. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

#### 15. **Purchase Preference (Centre)**

Purchase Preference linked with Local Content (PP-LC) Policy:

The bid clause regarding “Preference to Make In India products” stands modified in this bid and shall be governed by the PPLC Policy No. FP-20013/2/2017-FP-PNG dated 17.11.2020 issued by MoP&NG as amended up to date. Accordingly, bidders with Local Content less than or equal to 20% will be treated as “Non Local Supplier”. The prescribed LC shall be applicable on the date of Bid opening. Sanctions on the bidders for false / wrong declaration or not fulfilling the Local Content requirement shall be as per the PPLC policy. Further following additional provisions are added in the certification and verification of local content provision of the Preference to Make in India clause:

- i. In case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practicing cost accountant or practicing chartered accountant giving the percentage of local content is also acceptable.
- ii. Along with Each Invoice: The local content certificate (issued by statutory auditor on behalf of procuring company) shall be submitted along with each invoice raised. However, the % of local content may vary with each invoice while maintaining the overall % of local content for the total work/purchase of the pro-rata local content requirement. In case, it is not satisfied cumulatively in the invoices raised up to that stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.
- iii. The bidder shall submit an undertaking from the authorized signatory of bidder having the Power of Attorney along with the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.

#### 16. **Service & Support**

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

#### 17. **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.

#### 18. **Certificates**

The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.

#### 19. **Warranty**

Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.

#### 20. **Warranty**

Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification

within 3 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

#### 21. **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, ICAR-NBAGR, Karnal  
payable at

SBI, Model Town, Karnal

. 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.

#### 22. **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

ICAR UNIT, NBAGR

Account No.

10093065125

IFSC Code

SBIN0001761

Bank Name

STATE BANK OF INDIA

Branch address

MODEL TOWN, KARNAL

. 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.

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

Buyer Added text based ATC clauses

#### **Transcriptomics using Ribo-minus RNA Sequencing (Coding+Non Coding)**

1. Total RNA QC
2. Ribo depletion with Ribo zero treatment & Library preparation.
3. Library preparation using NEB Next ultra kit.
4. Sequencing on illumine Nova Seq6000.
5. 12GB, 80 million reads of 2×150bp data.
6. The data generated is the sole property of ICAR-NBAGR.

#### **ONT Ultra Long Sequencing**

1. Sample Specification: EDTA tube: 10ml/ Tissue Qty: 0.801gm (snap frozen in liquid nitrogen) (has to be arranged by vendor)

2. Library Type: Nanopore platform specific library preparation kit for ultra long reads.
3. Fragmentation: Enzymatic fragmentation followed by adapter ligation. Enrichment of Adapter-Modified DNA fragments by PCR will be performed (for Nanopore)
4. 30X (90GB) of 100kb+reads which takes a 200-300X total coverage.
5. The data generated is the sole property of ICAR-NBAGR.

### **Whole Genome Resequencing using illumina short read sequencer**

1. Sample Processing: Isolate High-quality DNA from Tissue/ Blood sample.
2. Perform quality checks using: Qubit and Nanodrop.
3. Library Type: Roche KAPA Hyper plus Kit.
4. Library QC: Bioanalyzer and Qubit.
5. Sequencing on Illumina NovaSeq 6000 using sequencing chemistry 2×150bp.  
Data Output: Minimum 90 GB data per sample, (30× Coverage)
6. The data generated is the sole property of ICAR-NBAGR.

### **Hi-C Sequencing**

1. Hi-C data is used to scaffold contigs into chromosome-level assemblies.
2. The selected protocol for Hi-C library preparation must have proven track record diploid genomes.
3. Service provider should prepare Hi-C libraries by the Dovetail kit.
4. Hi-C library sequencing should be conducted without any form of multiplexing with other libraries.
5. Libraries should be sequenced on the Illumina NovaSeq 6000 platform, S4 Flow Cell, v1.5 chemistry, 2 × 150 bp, generating a minimum of 150 Gb data per sample.
6. The data generated is the sole property of ICAR-NBAGR.

### **Whole Genome Sequencing (WGS) using PacBio Revio:**

1. Isolate Ultra-High Molecular Weight (uHMW) DNA from Blood/Tissue sample
2. Qubit, Femto Pulse and Nanodrop

3. Performed using Megaruptor-3, followed by purification with Blue Pippin or AMPure PB beads for size selection.
4. Pre-shearing, Post-shearing and After size selection (All QC to be verified with FemtoPulse and approved by PI)
5. PacBio Standard SMRTbell library Kit 3.0 (for high molecular weight DNA), 15–20 Kb library size.
6. Four (4) libraries to be prepared.
7. Each library to be sequenced on one 25M ZMW SMRT Cell.
8. PacBio Revio with HiFi reads using 25M ZMW SMRT Cells.
9. Minimum 80-90 Gb HiFi data per 25M ZMW SMRT cells. Complete 4 SMRT 25M ZMWs cells HiFi data should be submitted.
10. The data generated is the sole property of ICAR-NBAGR.

### Specifications for Whole Genome Sequencing

1. **Technology to be used** – Illumina NovaSeq 6000. Service Provider must have more than one year experience handling NovaSeq 6000 instrument.
2. The procedure should include Library Preparation, Quality check and Whole Genome Sequencing by Illumina NovaSeq 6000 instrument.
3. **DNA QC Report:** The initial DNA quality and quantity report, including the library concentration and size (bp) of the provided samples.
4. **Library QC Report:** The quality and quantity of the Illumina sequencing library using a fragment analyzer (Agilent TapeStation / Qiagen Qiaxcel) followed by a Qubit fluorometer.
5. **NGS Sequencing** using 2×150 bp reads @10× coverage with generation of minimum **30-35 GB cleaned data** (adapter and low-quality read removed).
6. **Phred quality score Q30** for >80% of data.
7. No extra cost should be charged from the institute for re-run of the Whole Genome Sequencing samples, if generated data does not match the desired quality.
8. Unused DNA samples must be returned.
9. DNA or library should not be outsourced to any other service provider in India or abroad at any stage. Written commitment to be submitted.
10. Raw data should be generated within **2 weeks** after the samples pass QC and the raw data should be shared in **HDD or FTP** along with an analysis report within **2 weeks** after generating the data.
11. The Vendor (or Authorised Agent) should provide a **facility certificate** to testify the possession of an in-house Illumina NovaSeq 6000.
12. No intellectual property/knowledge/insight/information generated during rendering such services can be retained or shared with any third party by the service provider/vendor. Samples/data/reports shall remain the property of **ICAR-NBAGR** and the vendor shall have to furnish a **non-disclosure agreement** with ICAR-NBAGR as regards ensuring the secrecy of these samples/data/reports.
13. Scientists from **ICAR-NBAGR** may visit the lab premises where the work is



proposed to be carried out.

14. The company should have good experience/record in conducting such experiments with purchase orders from research institutes/labs.
15. Sample size may be revised up to **80** in future subject to the availability of samples and funds.

### **Specification for Whole Genome Metagenome Sequencing**

- The service provider shall perform DNA isolation from all samples.
- DNA quality control using Qubit and Agilent TapeStation.
- Sequencing of libraries with 2×150 chemistry on Illumina NovaSeq X Plus / NovaSeq 6000 platform.
- Library validation using TapeStation.
- A minimum of 10 Gb of clean sequencing data per sample must be generated after quality filtering.
- Any sample that fails to meet the stipulated QC parameters or minimum data output shall be reprocessed and/or re-sequenced at no additional cost to the client.
- Raw sequencing data shall be delivered in FASTQ format, either on an external hard drive or through secure electronic data transfer, as agreed with the indenter.
- Service providers should have publications in WGMG and its data analysis.
- Samples should not be sent outside India and the firm should support lab visits for assurance of in-house instruments, if needed.
- The service provider must submit a certificate confirming that all sample processing and sequencing will be carried out entirely within India.
- The service provider must possess a valid ISO / DSIR (Department of Scientific and Industrial Research) certification.

### **Specifications for Transcriptome Sequencing (Blood)**

- Technology to be used – Illumina NovaSeq 6000/X Plus.
- The procedure should include RNA extraction, Library Preparation, Quality check and RNA Sequencing.
- NGS Sequencing using 2×150 bp reads with generation of minimum 8–10 GB clean data.
- Phred quality score Q30 for >90% of data.
- No extra cost should be charged from the institute for re-run of the RNA Sequencing samples, if generated data does not match the desired quality.
- Unused RNA samples must be returned.
- NovaSeq 6000/X Plus must be installed at the site, not at the collaborative site or lab.
- Raw data should be generated within 2 weeks after the samples pass the QC and the raw data should be shared in hard disc or FTP.
- Samples should not be sent outside India.

- No intellectual property/knowledge/insight/information generated during rendering such services can be retained or shared with any third party by the service provider/vendor.
- Scientists may visit the lab premises where the work is proposed to be carried out.
- The company should have good experience/record in conducting such experiments with purchase orders from research institutes/labs.

#### 24. Buyer Added Bid Specific ATC

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

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

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

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

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

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

[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---**