



Bid Number/बोली क्रमांक (बिड संख्या): GEM/2024/B/56987. Dated/दिनांक : 12-12-20

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण		
Bid End Date/Time/बिड बंद होने की तारीख/समय	02-01-2025 21:00:00	
Bid Opening Date/Time/बिड खुलने की तारीख/समय	02-01-2025 21:30:00	
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	180 (Days)	
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Agriculture And Farmers Welfare	
Department Name/विभाग का नाम	Department Of Agricultural Research And Education (dare)	
Organisation Name/संगठन का नाम	Indian Council Of Agricultural Research (icar)	
Office Name/कार्यालय का नाम	Icar-nrc On Pig, Rani, Guwahati-781131, Assam	
ltem Category/मद केटेगरी	Nucleic Acid Sequencing and Genotyping Service - Whole Genome Sequencing of Pig genome; As per the scope of work As per the scope of work; As per the scope of work; As per the scope of work; As per the scope of work; 10x; As per the scop of work; A, Nucleic Acid Sequencing and Genotyping Service Whole Genome Bisulphite Sequencing; As per the scope of work; As per the scope of work; As per the scope of work; As per the scope of work; As per the scope of work; As per the scope of work; As per the scope of work; I0x; As per the scope of work; As p, Nucleic Acid Sequencing and Genotyping Service - Sanger Sequencing; As per the scope of work; As per the scope of work; As per the scope of work; As per the scope of work; As per the scope of work; I0x; As per the scope of work; As per the scope of work; I0x; As per the scope of work; As per the scope of work; Sep the scope of work; As per the scope of work; As per the scope of work; As per the scope of work; Sep the scope of work; As per the scope of work; Sep the scope of work; As per the scope of work; 10x; As per the scope of work; As per the	
Contract Period/अनुबंध अवधि	1 Month(s) 4 Day(s)	
Minimum Average Annual Turnover of the bidder (For 3 Years)/बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का)	15 Lakh (s)	
MSE Exemption for Years Of Experience/अनुभव के वर्षों से एमएसई छ्ट्ट/ and Turnover/टर्नओवर के लिए एमएसई को छूट प्राप्त है	Yes	
Startup Exemption for Years Of Experience/अनुभव के वर्षों से स्टार्टअप छूट/ and Turnover/ टर्नओवर के लिए स्टार्टअप को छूट प्राप्त है	Yes	

Bid Details/बिड विवरण				
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Experience Criteria,Bidder Turnover,Certificate (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by t buyer			
Do you want to show documents uploaded by bidders to all bidders participated in bid?/	Νο			
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	Νο			
Type of Bid/बिड का प्रकार	Two Packet Bid			
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days			
Evaluation Method/मूल्यांकन पद्धति	Item wise evaluation/			
Arbitration Clause	No			
Mediation Clause	No			

EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाईजरी बैंक	State Bank of India
Schedule 1 EMD Amount/ईएमडी राशि (In INR)	30000
Schedule 2 EMD Amount/ईएमडी राशि (In INR)	7000
Schedule 3 EMD Amount/ईएमडी राशि (In INR)	6000
Schedule 4 EMD Amount/ईएमडी राशि (In INR)	2000

ePBG Detail/ईपीबीजी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India	
ePBG Percentage(%)/ईपीबीजी प्रतिशत (%)	5.00	
Duration of ePBG required (Months)/ईपीबीजी की अपेक्षित अवधि (महीने).	14	

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the releva 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./जेम की शर्तों के अनुसा ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज़ प्रस्तुत करने है। एमएसई केटेगरी के अंतर्गत केवल वस्तुओं लिए बिनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।

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

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

Beneficiary/लाभार्थी :

Asstt. Administrative Officer

Icar-nrc On Pig, Rani, Guwahati-781131, Assam, Department of Agricultural Research and Education (DARE), Indian Council of Agricultural Research (ICAR), Ministry of Agriculture and Farmers Welfare (Uttam Prakash)

MII Compliance/एमआईआई अनुपालन

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

MSE Purchase Preference/एमएसई खरीद वरीयता

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

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

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

3. 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 Accountan 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. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry o Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference for services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered service. If L-1 is not an MSE and MSE Service Provider (s) has/have quoted price within L-1+ 15% of margin of purch; preference /price band as defined in the relevant policy, then 100% order quantity will be awarded to such MSE bidd subject to acceptance of L1 bid price. The buyers are advised to refer to the <u>OM_No.1 4 2021 PPD dated 18.05.202</u> for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 at Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if the credentials the service provider are validated on-line in GeM profile as well as validated and approved by the Buyer after evaluation of submitted documents.

5. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has 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 wo be determined by the buyer based on its own assessment of reasonableness and based on competitive prices receiv in Bid / RA process.

Additional Qualification/Data Required/अतिरिक्त योग्यता / आवश्यक डेटा

Scope of Work:<u>1733998054.pdf</u>

Payment Terms: 1733998032.pdf

Any Other Requirement by Buyer:<u>1733998039.pdf</u>

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:

Evalua tion Sched ules	Item/Category				
Schedu le 1	Nucleic Acid Sequencing And Genotyping Service - Whole Genome Sequencing Of Pig Genome; As Per The Scope Of Work; As Per The Scope Of Work; As Per The Scope Of Work; As Per The Scope Of Work; As Per The Scope Of Work; 10x; As Per The Scope Of Work; A	Numb r of samp s : 1			
Schedu le 2	Nucleic Acid Sequencing And Genotyping Service - Whole Genome Bisulphite Sequencing; As Per The Scope Of Work; As Per The Scope Of Work; As Per The Scope Of Work; As Per The Scope Of Work; As Per The Scope Of Work; 10x; As Per The Scope Of Work; As P				
Schedu le 3	Nucleic Acid Sequencing And Genotyping Service - Sanger Sequencing; As Per The Scope Of Work; 10x; As Per The Scope Of Work; As Per The Scope Of W.				
Schedu le 4	Nucleic Acid Sequencing And Genotyping Service - Sanger Sequencing; As Per The Scope Of Work; As Per The Scope Of Work; As Per The Scope Of Work; As Per The Scope Of Work; As Per The Scope Of Work; 10x; As Per The Scope Of Work; As Per The Scope Of W				

Nucleic Acid Sequencing And Genotyping Service - Whole Genome Sequencing Of Pig Genome; As Per The Scope Of Work; As Per The Scope Of Work; As Per The Scope Of Wor As Per The Scope Of Work; As Per The Scope Of Work; 10x; As Per The Scope Of Work; A. 1)

Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values	
Core		
Type of sequencing exercise to be done	Whole Genome Sequencing of Pig genome	
Type of organism for sequencing	As per the scope of work	
Type of sample	As per the scope of work	
Sample collection option	As per the scope of work	

Which Chemistry / Platform you require As per the scope of work What quality reads per sample do you require As per the scope of work What depth /coverage do you require 10x Service required for number of samples to be analyzed 10x What kind of output data is required As per the scope of work Data Delivery Mode Physical media Data delivery Mode As per the scope of work What kind of output data is required As per the scope of work What kind of output data is required As per the scope of work Model of bioinformatics analysis facility to be followed As per the scope of work Model of sequencing facility to be followed As per the scope of work Model of to be followed As per the scope of work Model of to be followed As per the scope of work Model of to be followed No Model of to be followed Inhouse No No Consent for the sample to be sent abroad for testing National Accreditation Board for Testing & Calibration Laboratories (NABL), ISO 15189:2012 Medical laboratoriesRequirements for quality and competence _ISO/EC 17025 Testing and Celibration LaboratoriesRequirements for guality control metrics for DNA sequencingDSIR certificate	Chemistry /	
reads per sample do you require As per the scope of work What depth (coverage do you require) 10x Service required for number of samples to be analyzed As per the scope of work Mhat kind of output data is required As per the scope of work Data Delivery Mode Physical media Data delivery timeframe As per the scope of work What kind of OC parameters are required As per the scope of work Model of sequencing facility to be followed As per the scope of work Model of sequencing facility to be followed As per the scope of work Consent for the sample to be sand for testing & Calibration Laboratories (NABL), ISO 15189:2012 Testing Lab Accreditation Board for Testing & Calibration Laboratories (NABL), ISO 15189:2012 Medical laboratories – Requirements for quality and competence, ISO/IEC 17025 Testing and Calibration Laboratories, ISO/T3 22692:2020 Genomics informatics – Quality control metrics for House – Housen – House	require	As per the scope of work
/coverage do you require 10x Service required for number of samples to be analyzed As per the scope of work What kind of output data is required As per the scope of work Data Delivery Mode Physical media Data delivery (Imframe As per the scope of work What kind of output data is required As per the scope of work Data delivery Mode As per the scope of work What kind of occ parameters are required As per the scope of work Model of sequencing facility to be followed As per the scope of work Model of bioinformatics analysis facility to be followed As per the scope of work Consent for the sample to be sent abroad for testing No Testing Lab Accreditations Certifications National Accreditation Board for Testing & Calibration Laboratories (NABL), ISO 15189:2012 Model alboratories – Requirements for quality and competence, ISO/IS 150 Fisting and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics – Quality control metrics for DNA sequencing , DSIR certificate	reads per sample do you	As per the scope of work
required for number of samples to be analyzed As per the scope of work What kind of output data is required As per the scope of work Data Delivery Mode Physical media Data delivery timeframe As per the scope of work What kind of QC parameters are required As per the scope of work Model of sequencing facility to be followed As per the scope of work Model of sequencing facility to be followed Inhouse Consent for the sent abroad for testing No Testing Lab Accreditations Certifications National Accreditation Board for Testing & Calibration Laboratories (NABL), ISO 15189:2012 Medical laboratories – Requirements for quality and competence , ISO/IEC 17025 Testing and Calibration Laboratories – ISO/TS 22692:2020 Genomics informatics – Quality control metrics for DNA sequencing, DSIR certificate	/coverage do	10x
output data is required As per the scope of work Data Delivery Mode Physical media Data delivery timeframe As per the scope of work What kind of QC parameters are required As per the scope of work Model of sequencing facility to be followed As per the scope of work Model of sequencing facility to be followed Inhouse Inhouse Inhouse Consent for the sample to be sent abroad for testing & Calibration Laboratories (NABL), ISO 15189:2012 Medical laboratories — Requirements for quality and competence, ISO/IEC 17025 Testing and Calibration Laboratories, ISO/TS 22692:2020 Genomics informatics—Quality control metrics for DNA sequencing, DSIR certificate	required for number of samples to be	As per the scope of work
Mode Physical media Data delivery timeframe As per the scope of work What kind of QC parameters are required As per the scope of work Model of sequencing facility to be followed As per the scope of work Model of bioinformatics analysis facility to be followed Inhouse Consent for the sample to be sent abroad for testing No Testing Lab Accreditations Certifications National Accreditation Board for Testing & Calibration Laboratories (NABL), ISO 15189:2012 Medical laboratories – Requirements for quality and competence , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality certificate	output data is	As per the scope of work
timeframe As per the scope of work What kind of QC parameters are required As per the scope of work Model of sequencing facility to be followed As per the scope of work Model of bioinformatics analysis facility to be followed Inhouse Consent for the sample to be sent abroad for testing No Testing Lab Accreditations Certifications National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO 15189:2012 Medical laboratories – Requirements for quality and competence , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing , DSIR certificate		Physical media
QC parameters are required As per the scope of work Model of sequencing facility to be followed As per the scope of work Model of bioinformatics analysis facility to be followed Inhouse Model of bioinformatics analysis facility to be followed Inhouse Rest No Testing Lab Accreditations Certifications National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO 15189:2012 Medical laboratories – Requirements for quality and competence , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics—Quality control metrics for DNA sequencing , DSIR certificate		As per the scope of work
sequencing facility to be followedAs per the scope of workModel of bioinformatics analysis facility to be followedInhouseConsent for the sample to be sent abroad for testingNoTesting Lab Accreditations CertificationsNational Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO 15189:2012 Medical laboratories – Requirements for quality and competence , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing , DSIR certificate	QC parameters	As per the scope of work
bioinformatics analysis facility to be followedInhouseConsent for the sample to be sent abroad for testingNoTesting Lab Accreditations CertificationsNational Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO 15189:2012 Medical laboratories — Requirements for quality and competence , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing , DSIR certificate	sequencing facility to be	As per the scope of work
sample to be sent abroad for testingNoTesting Lab Accreditations CertificationsNational Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO 15189:2012 Medical laboratories — Requirements for quality and competence , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing , DSIR certificate	bioinformatics analysis facility	Inhouse
Accreditations Certifications Certifications Medical laboratories — Requirements for quality and competence , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing , DSIR certificate	sample to be sent abroad for	No
Addon(s)/एडऑन	Accreditations	Medical laboratories — Requirements for quality and competence , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for
	Addon(s)/एडऑन	

Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़

Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी

S.No./क्र. सं.	Consignee Reporting/Officer/प रेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Ratul Baishya	781131,ICAR- NATIONAL RESEARCH CENTRE ON PIG, RANI, GUWAHATI	1	N/A

Nucleic Acid Sequencing And Genotyping Service - Whole Genome Bisulphite Sequencing As Per The Scope Of Work; 10x; As Per The Scope Of Work; As P.. (1)

Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values
Core	
Type of sequencing exercise to be done	Whole Genome Bisulphite Sequencing
Type of organism for sequencing	As per the scope of work
Type of sample	As per the scope of work
Sample collection option	As per the scope of work
Which Chemistry / Platform you require	As per the scope of work
What quality reads per sample do you require	As per the scope of work
What depth /coverage do you require	10x
Service required for number of samples to be analyzed	As per the scope of work
What kind of output data is required	As per the scope of work
Data Delivery Mode	Physical media
	1

Specificat	tion		Valu	Jes			
Data delive timeframe	ery 4	As per the scope of work					
What kind o QC parame are require	eters 🛛 🗛	As per the scope of work					
Model of sequencing facility to b followed		As per the scope of work					
Model of bioinformat analysis fac to be follow	cility 🛛	nhouse	nhouse				
Consent for sample to b sent abroad testing	be .	No					
Testing Lab Accreditatio Certificatio	ons (National Accreditation Board for Testing & Calibration Laboratories (NABL), ISO 15189:2012 Medical laboratories — Requirements for quality and competence, ISO/IEC 17025 Testing and Calibration Laboratories, ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing, DSIR certificate					
Addon(s)/1	एडऑन						
	5/Repor	ting Officer/परेा	nts/अतिरिक्त विशिष्टि दस्तावेज़ षेती/रिपोर्टिंग अधिकारी	1	1		
S.No. /क्र. सं.	Repor	onsignee ting/Officer/प रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता		
			781131,ICAR- NATIONAL				

Nucleic Acid Sequencing And Genotyping Service - Sanger Sequencing; As Per The Scope Of Work; 10x; As Per The Scope Of Work; As Per The Scope Of W. (1)

RESEARCH CENTRE ON PIG,

RANI, GUWAHATI

Technical Specifications/तकनीकी विशिष्टियाँ

Ratul Baishya

Specification

Values

1

N/A

Core

1

Specification	Values
Type of sequencing exercise to be done	Sanger Sequencing
Type of organism for sequencing	As per the scope of work
Type of sample	As per the scope of work
Sample collection option	As per the scope of work
Which Chemistry / Platform you require	As per the scope of work
What quality reads per sample do you require	As per the scope of work
What depth /coverage do you require	10x
Service required for number of samples to be analyzed	As per the scope of work
What kind of output data is required	As per the scope of work
Data Delivery Mode	Physical media
Data delivery timeframe	As per the scope of work
What kind of QC parameters are required	As per the scope of work
Model of sequencing facility to be followed	As per the scope of work
Model of bioinformatics analysis facility to be followed	Inhouse
Consent for the sample to be sent abroad for testing	No

Specifica	tion	Values				
Accreditati	Accreditations Certifications		litation Board for Testing & Calibration Laboratories (NABL) , ISO 15189:2012 ories — Requirements for quality and competence , ISO/IEC 17025 Testing and pratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for g , DSIR certificate			
Addon(s)/	/एडऑन					
Additional	Speci	fication Docume	nts/अतिरिक्त विशिष्टि दस्तावेज़			
Consignee	- 7/		षेती/रिपोर्टिंग अधिकारी		7	
S.No./क्र. सं.	Rep	Consignee orting/Officer/प ो/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता	
1	Ratu	l Baishya	781131,ICAR- NATIONAL RESEARCH CENTRE ON PIG, RANI, GUWAHATI	CENTRE ON PIG, 1	N/A	
Of Work; As Per Th	As Pone Sco Specif	er The Scope	d Genotyping Service - Sa Of Work; As Per The Scop 10x; As Per The Scope Of বিংষ্টিযাঁ 	pe Of Work; As Work; As Per T	Per The Scope Of Wo	
Core						
Type of sequencing exercise to done		sanger sequenci	ng			
Type of organism f sequencing		As per the scope	of work			
Type of sa	mple	As per the scope	of work			
Sample collection option		As per the scope	ie scope of work			
Which Chemistry / Platform you require		As per the scope	of work			
What quality reads per sample do you require		As per the scope	of work			

Specification		Values				
What depth /coverage do you require	10x					
Service required for number of samples to be analyzed	As per the scope	As per the scope of work				
What kind of output data is required	As per the scope	of work				
Data Delivery Mode	Physical media					
Data delivery timeframe	As per the scope	of work				
What kind of QC parameters are required	As per the scope	of work				
Model of sequencing facility to be followed	As per the scope	of work				
Model of bioinformatics analysis facility to be followed	Inhouse					
Consent for the sample to be sent abroad for testing	No					
Testing Lab Accreditations Certifications	Medical laborator Calibration Labor	ation Board for Testing & Calibratio ries — Requirements for quality and atories , ISO/TS 22692:2020 Genom , DSIR certificate	competence , ISC	D/IEC 17025 Testing and		
Addon(s)/एडऑन	Ŧ					
Additional Spec	Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़					
Consignees/Rep	Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी					
II II -	Consignee porting/Officer/प नी/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता		

S.No./क्र. सं.	Consignee Reporting/Officer/प रेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Ratul Baishya	781131,ICAR- NATIONAL RESEARCH CENTRE ON PIG, RANI, GUWAHATI	1	N/A

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

1. Generic

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

2. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

<u>Gem Bid Document for Procurement of essential</u> <u>ervices under AICRP</u>

SCOPE OF WORK

The technical specifications are mentioned hereunder:

Service No.1: Whole Genome Sequencing of Pig genome

Number of samples: 15 nos.

- 1. **DNA extraction and Sequencing** NGS using latest Platform& methodology. Library Preparation and Extr tion and QC using NGS platform recommended protocol.
- 2. DNA sequencing using minimum 120gb-130gb data clean reads per samples on 2x150 chemistry
- 3. **Time frame**: Raw data should be delivered and Analysis within 30 days post sample pick up. Data Analysis aw data quality: Phred score should be Q>30
- 4. Dry ice sample shipment from ICAR-NRC on Pig.
- 5. Note: Sample QC report, Library QC report and raw data QC should be provided at every stage.
- 6. **Quality control requirements**: Expected QC score of Q30>90% for data and want the RNA QC report, Lik y QC report, and Data QC report to be shared
- 7. RNA extraction, Library preparation, sequencing and bioinformatic analysis of the samples should be carrie ut within the same laboratory in India only. (Strictly required)
- 8. Bidder should have an in-house/Collaboration of latest sequencing facility. Details of same should be provid

9. Sample will be sent in a batch wise, The Rate must be included Transportation, Storage charges and Taxes. 10. In-house Sequencing and Bioinformatics Facility in India, where this sequencing project will be run.

11. Access to the laboratory must be provided to at least one researcher, if required.

12. Data analysis must include:

- Raw Data QC and Reporting.
- Alignment with reference genome
- Variant calling
- Variant Annotation
- Raw data & raw data QC summary, alignment file & summary, variation calling file & summary (SNP, In-De , basic variation annotation and effect file & summary.
- Detailed quality report before and after trimming should be provided. It should include base quality and s

uence quality score, distribution details, average base content and GC distribution in the reads, PCR amplif tion details, check for over represented sequences, adaptor trimming details, read length details (percenta of read length distribution), parameters used for trimming and details of software used for trimming/remov of low quality sequences/reads etc.

- Alignment and recalibration, variant calling and variant annotation using appropriate software. Details of d alignment statistics and quality metrics obtained for each sample.
- List of Variant calling (SNP and INDELS) should be performed using standard tools.
- Variant filtration should be done using standard procedures and parameters used for filtering. List of softv e's and parameters used for annotation should be provided along with results.
- Annotation: Exonic, intronic, 3'UTR, 5'UTR, promoter region, conserved transcription factor binding sites, nserved intergenic region, active transcription region. Complete annotation and summary statistics should provided. g. Cataloguing of common SNP/ unique SNP, ins/del.
- Summary report of variants called from each sample to be provided. Variant calling should be done indivially and together (all samples together to produce single VCF file for all samples).
- Delivery Time: Sample DNA QC report should be submitted within 15 days after receiving the samples. Ri FastQ file, clean FastQ file and other quality and parameter files mentioned should be delivered within 25-3 days after initial QC report. BAM file, Filtered and unfiltered VCF files (VCF of individual samples and all sar es together) and other parameters and quality files mentioned above should be delivered within the time me.
- Raw data and .vcf file shall be provided in Hard disk.
- Support in responding to technical queries to reviewers, re-analysis or additional analysis of data using
- pecific pipelines (If need during review process by the journals).
- In case of QC failure of any sample, the firm should arrange pickup and transportation of fresh sample free ICAR-NRC on Pig without additional cost.

Service No.2: Whole Genome Bisulphite Sequencing

Number of samples: 04 nos.

- **1.** The integrity & quantification of the genomic DNA has to be checked by running agarose gel electrophore: and gDNA need to be quantified.
- 2. The sequencing libraries need to be prepared according to latest NGS METHYL LIBRARY KIT.
- **3.** Briefly, Fragmentation of 200ng of genomic DNA need to be performed using adaptive focused acoustic te nology and the fragmented DNA is bisulfite-treated with Kit.
- **4.** These bisulfite-converted DNA fragments have to be going through the addition of indexing adapters and t purification.
- 5. The purified libraries need to be quantified using qPCR Quantification Protocol and latest NGS platform ne∉ or sequencing.

6. Quality Assessment:-

Tool:-Fastqc or other advance technology

Description:- Base quality and errors stats reporting from the raw Sequence fastq files.

7. Trimming & Filtering:-

Tool:- TrimGalore or other advance informatics

Description:- Trimming of adapters and poor quality sequences from raw fastq files resulting in trimmed fastq es.

8. Reference Alignment

Tool:-bwa-meth, Picard or other advance technology

Description

a) Create reference genome index from the genome fasta file.

b) Trimmed sequence reads are aligned to reference with BS aware alignment tool bwa-meth.

c) Remove exact duplicated reads from the BAM alignment file by using Picard.

9. Methylation Extraction

Tool:-MethylDackel or other advance technology

Description

CpG site methylation calling from the BAM alignment file. Output is in bedGraph format or other advance and sily accessible format

10. Differential Analysis

Tool:- metilene, bsseq or other advance technology Description Differential methylation region detection from the sample specific methylation bedGraph files. Samples are giped as Treated and Control for differential analysis.

- 11. Samples (Tissue and RNA etc.) should not be sent out of India.
- **12**. Quotation should be on firm's letter head with GST Number, official account numbe IFSC code and brief introduction of the company's background.
- **13**. Establishment of firm: Firm should be established in India.
- **14.** Data should be delivered through secured server and HDD only.
- **15.** The details of progress of experiment will be intimated to the customer/scientist an further processing in case of any issues will be based on the instructions of the custo er only.
- **16.** In case of QC failure of any sample, the firm should arrange pickup and transportat n of fresh sample from ICAR-NRC on Pig without additional cost.

Service No.3: Sanger sequencing

Number of samples: 250 nos.

- 1. Purification of PCR product
- 2. Sanger sequencing of purified PCR product
- 3. Sample to be collected from the institute by the service provider at their own cost
- 4. Complete sequencing report to send through email.
- 5. All the analysis has to be done in consultation with intender and step by step progress of the sequencing rk should be intimated.
- 6. No data generated shall be transferred to any third party without explicit consent from the institute. Any viation will be treated as serious breach of contract, legal and other measures will be taken against the c racting firm including blacklisting.
- 7. Service provider must have in-house facility for quoted service and bioinformatics team for analysis of da Institute reserves the right to verify the facility and if required may visit to bidders facility.
- 8. All samples have to be picked-up from ICAR-NRC on Pig, Rani, Guwahati, Assam and the cost shall be inc ed in the total quoted amount.
- **9.** The work has to be completed within 15 days of pickup of samples from ICAR-NRC on Pig, Rani on the cos f service provider.

Service No.4: Sanger sequencing

Number of samples: 2000bp

Required Specifications: Synthesis Scale(μ mol)= 0.025

<u>PREPARATION OF TECHNCIAL BID</u> <u>The Technical bid shall contain following documents failing which the bids</u> <u>e considered invalid and will be rejected.</u>

1. EMD of Rs. 45000/- (online payment to "ICAR NR Centre on Pig" A/c No. 10029420452, State Bank (

FSC Code SBIN0009945, Khanapara Branch and proof of deposits must be uploaded. EMD is exempted ME/Startup firms as per the rules (Under MSE category, only manufacturers ods and Service Providers for Services are eligible for exemption for subin of EMD.

If the bidder is the manufacturer of the quoted product/services and is a irm, than for claiming EMD exemption, the firm must submit a declaratio they are the original manufacturer of the quoted product/services by me ng the brand name They should be MSE registration certificate as manu er/service provider.Traders are excluded from the purview of this Policy o exemption will be provided to the traders.

2. Information schedule as per enclosed performa (Annexure-I).

3. Copy of TAN/PAN card.

4. Copy of GST certificate.

5. Trade License/Registration Certificate/MSME Registration Certificate.

6. Annual Turnover Certificate of the last 3 years. The average annual turnover sh of atleast 8 lakhs. (Under MSE category, only manufacturers for goods and 4 e Providers for Services are eligible for exemption for submission of Ann rnover. <u>Traders are excluded from the purview of this Policy and no exer</u> will be provided to the traders).

7. Submit/Upload at least 01 Number (one number) of work order awarded for sim rk from any Govt./PSU/University/Autonomous bodies/Reputed Companies. The ex ce criteria is exempted to MSME/Startup firms as per the rules. **Under MSE categ nly manufacturers for goods and Service Providers for Services are eligib exemption for submission of work order copy.** <u>Traders are excluded from</u> <u>urview of this Policy and no exemption will be provided to the traders.</u>

8. The bidder should submit the compliance statement in the prescribed format as er **Annexure-II.**

9. The bidder should submit the Tender Acceptance Letter in the prescribed forma as per **Annexure-III**

10. The bidder should submit the Make In India (MII)compliance statement in the p scribed format as per **Annexure-IV. The Make in India certificate should be : bmitted by the OEM only.**

*Bidders should ensure that all the documents submitted are genuine. any documents are found to be fabricated or falsified the bid, contracif awarded will be rejected/cancelled and appropriate action including acklisting and legal options will be taken. The institute reserves the r ht to verify the authenticity of documents (UDIN/UDYAM/MSME) submi ed and the bidder will be required to produce the original document fc verification, if required at ICAR-NRC on Pig

PREPARATION OF FINANCIAL BID

—

Firm shall quote rates which shall be inclusive of all labour cost, material/spare cost transportation & conveyance charges, administrative charges, monitoring and sup visory charges, agency profit, GST/Taxes etc.

Sd/-

Officer

Asstt. Administrativ

ANNEXURE-I

Information Schedule

(Shall be submitted by the bidder in their letter head)

-			
	1.	Name of the Firm/Agency.	
	2.	Address with Tel. No./Fax/E-mail.	
	3.	Contract Person Name and Mobile No.	
	4.	Bank Account No. Branch Code Bank Name	
	5.	Whether all 10 Nos of documents as re quired/mentioned in Preparation of Techn ical Bids are uploaded/submitted.	Yes/No
	6.	Whether the firm has any legal suit/criminal case pending against it or co ntemplated against them. If Yes, details t hereof	Yes/No
	7.	Whether the Agency had been blacklisted by any organization. If Yes, details thereo f.	Yes/No

I/ we hereby certify that the information furnished above is correct and true to the est of our knowledge. We understand that in the event of information being found alse at any stage, the agency will be blacklisted and will have no dealing with ICAF nstitutes.

 Signature and Seal of the Bidc

 Busine

 Address

 </t

Compliance statement in the prescribed format

The technical specifications are mentioned hereunder:

SI. N o.	Name of th e services	Complete Specification	No. of s amples	Quoted/No t Quoted (Please me ntion the Make and Model No. of the Pro duct	Complied t the require d Specifica ions (Yes/I o)
1.	Whole Ge nome Seq uencing of Pig gen ome	 DNA extraction and Se quencing - NGS using latest Platform& methodology. Libr ary Preparation and Extracti on and QC using NGS platfor m recommended protocol. DNA sequencing using minimum 120gb-130gb data clean reads per sam ples on 2x150 chemistry Time frame: Raw data sh 	15 nos.		

ould be delivered and Ana lysis within 30 days post s ample pick up. Data Analy sis. Raw data quality: Phre d score should be O>30 4. Dry ice sample shipment f rom ICAR-NRC on Pig. 5. Note: Sample QC report, Library QC report and raw data QC should be provide d at every stage. 6. Quality control require ments: Expected QC scor e of Q30>90% for data an d want the RNA QC report, Library QC report, and Dat a QC report to be shared 7. RNA extraction, Library pr eparation, sequencing and bioinformatic analysis of t he samples should be carr ied out within the same la boratory in India only. (Strictly required) 8. Bidder should have an inhouse/Collaboration of lat est sequencing facility. De tails of same should be pr ovided. 9. Sample will be sent in a b atch wise, The Rate must be included Transportatio n, Storage charges and Ta xes. 10. In-house Sequencing an d Bioinformatics Facility in India, where this sequenci ng project will be run. 11. Access to the laboratory must be provided to at lea st one researcher, if requir ed. 12. Data analysis must in clude: Raw Data QC and Reporti ng. Alignment with reference genome Variant calling Variant Annotation Raw data & raw data QC summary, alignment file &

summary, variation calling file & summary (SNP, In-D els), basic variation annot ation and effect file & sum mary.

- Detailed quality report be fore and after trimming sh provided. It ould be should include base qualit y and sequence quality sc ore, distribution details, av erage base content and G C distribution in the reads. PCR amplification details, check for over represente d sequences, adaptor trim ming details, read length details (percentage of rea d length distribution), par ameters used for trimmin g and details of software u sed for trimming/removal of low quality sequences/r eads etc.
- Alignment and recalibrati on, variant calling and vari ant annotation using appr opriate software. Details o f read alignment statistics and quality metrics obtain ed for each sample.
- List of Variant calling (SN P and INDELS) should be p erformed using standard t ools.
- Variant filtration should b e done using standard pro cedures and parameters u sed for filtering. List of sof tware's and parameters u sed for annotation should be provided along with res ults.
- Annotation: Exonic, intron ic, 3'UTR, 5'UTR, promoter region, conserved transcri ption factor binding sites, conserved intergenic regi on, active transcription re gion. Complete annotation and summary statistics sh ould be provided. g. Catal oguing of common SNP/ u

		 nique SNP, ins/del. Summary report of varian ts called from each sample to be provided. Variant c alling should be done individually and together (all samples together to pr oduce single VCF file for al I samples). Delivery Time: Sample D NA QC report should be su bmitted within 15 days aft er receiving the samples. Raw FastQ file, clean Fast Q file and other quality an d parameter files mention ed should be delivered wit hin 25-30 days after initial QC report. BAM file, Filtered and unfiltered VC F files (VCF of individual s amples and all samples to gether) and other parame ters and quality files ment ioned above should be delivered within the time f rame. Raw data and .vcf file shall be provided in Hard disk. Support in responding to t echnical queries to review ers, re-analysis or addition al analysis of data using specific pipelines (If ne ed during review process by the journals). In case of QC failure of a ny sample, the firm shoul d arrange pickup and tra 		
		-		
2.	Whole Ge nome Bis ulphite Se quencing	 The integrity & quantification of th e genomic DNA has to be checked by running agarose gel electrophoresis a nd gDNA need to be quantified. The sequencing libraries need to b e prepared according to latest NGS METHYL LIBRARY KIT. Briefly, Fragmentation of 200ng of genomic DNA need to be performe 	04 nos.	

		_
	d using adaptive focused acoustic t	
	echnology and the fragmented DN	
	A is bisulfite-treated with Kit.	
	4. These bisulfite-converted DNA frag	
	ments have to be going through th	
	e addition of indexing adapters and	
	the purification.	
	5. The purified libraries need to be qu	
	antified using qPCR Quantification	
	Protocol and latest NGS platform n	
	eed for sequencing.	
	6. Quality Assessment:-	
	Tool:-Fastqc or other advance technol	
	ogy	
	57	
	Description:- Base quality and errors s	
	tats reporting from the raw	
	Sequence fastq files.	
	7. Trimming & Filtering:-	
	Tool:- TrimGalore or other advance inf	
	ormatics	
	0	
	Description:- Trimming of adapters an	
	d poor quality sequences from raw	
	fastq files resulting in trimmed fast	
	q files.	
	8. Reference Alignment	
	Tool:-bwa-meth, Picard or other advan	
	-	
	ce technology	
	Description	
	a) Create reference genome index fro	
	m the genome fasta file.	
	b) Trimmed sequence reads are aligne	
	d to reference with BS aware align	
	ment tool bwa-meth.	
	c) Remove exact duplicated reads fro	
	m the BAM alignment file by using	
	Picard.	
	9.Methylation Extraction	
	Tool:-MethylDackel or other advance t	
	echnology	
	Description	
	CpG site methylation calling from the	
	BAM alignment file. Output is in be	
	dGraph format or other advance an	
	d easily accessible format	
	10. Differential Analysis	
	Tool:- metilene, bsseq or other advanc	
	e technology	
	Description	
	Differential methylation region detecti	
	on from the sample specific methyl	
	ation bedGraph files. Samples are g	
	rouped as Treated and Control for d	
	ifferential analysis.	
	=	
	11 . Samples (Tissue and RNA	
	etc.) should not be sent out	
	of India.	
	12 . Quotation should be on fir	
	m's letter head with GST N	
	umber, official account num	
	ber, IFSC code and brief int	
	roduction of the company's	
	• •	
	background.	
	13 . Establishment of firm: Fir	
I		

	 m should be established in India. 14. Data should be delivered through secured server and HDD only. 15. The details of progress of experiment will be intimate d to the customer/scientist and further processing in ca se of any issues will be bas ed on the instructions of th e customer only. 16. In case of QC failure of an y sample, the firm should ar range pickup and transport ation of fresh sample from I CAR-NRC on Pig without ad ditional cost. 		
--	---	--	--

3.	Sanger se quencing	 10. Purification of PCR product 11. Sanger sequencing of purified PC R product 12. Sample to be collected from the institute by the service provider at their own cost 13. Complete sequencing report to s end through email. 14. All the analysis has to be done in consultation with intender and step by step progress of the sequencing work should be intimated. 15. No data generated shall be transferred to any third party without explicit consent from the institute. A ny deviation will be treated as serious breach of contract, legal and other measures will be taken against the contracting firm including 	250 nos	
		 blacklisting. 16. Service provider must have in-ho use facility for quoted service and bioinformatics team for analysis of data. Institute reserves the right t o verify the facility and if required may visit to bidders facility. 17. All samples have to be picked-up from ICAR-NRC on Pig, Rani, Guwa hati, Assam and the cost shall be i ncluded in the total quoted amou nt. 18. The work has to be completed wit hin 15 days of pickup of samples f rom ICAR-NRC on Pig, Rani on the cost of service provider. 		
4.	Sanger se quencing	Required Specifications: Synthesis Sca le(µmol)= 0.025	2000bp	

Business Addre

ANNEXURE-

TENDER ACCEPTANCE LETTER

Date:

To,

The Director, ICAR-NRC on Pig Rani, Guwahati -781131 Assam

Dear Sir,

The Bid documents/corrigendum(s) issued forvide **Ge Bid No**.....by your department/organization has been taken into consideration, while submitting this acceptance letter.

I/We hereby unconditionally accept all the tender/bid terms & conditions as mentied in tender/bid document(s)/ corrigendum (s) in its totality/entirety.

I/We do hereby declare that our Firm has not been blacklisted/debarred by any Go . Department/Public sector undertaking.

I/We certify that all information furnished by our Firm is true & correct and in the ent that the information is found to be incorrect/untrue or found violated, then you department/ organization shall without giving any notice or reason therefore or su marily reject the bid or terminate the contract, without prejudice to any other righ or remedy including the forfeiture of the fully said earnest money deposit absolute

Business Addre

3. Buyer Added Bid Specific ATC

Buyer uploaded ATC document Click here to view the file.

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority 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 bi If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treate 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 <u>attachec</u> <u>categories</u>, 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 specifyir equivalent Indian Certification / standards.
- 10. Seeking experience from specific organization / department / institute only or from foreign / export experienc
- 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 m be.
- 15. Any ATC clause in contravention with GeM GTC Clause 4 (xiii)(h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.

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

This Bid is governed by the <u>General Terms and Conditions/सामान्य नियम और शर्त</u>, conditons stipulated in Bid and <u>Service Level Agreement</u> specific to this Service as provided in the Marketplace. However in case if any condition specified in General Terms and Conditions/सामान्य नियम और शर्ते is contradicted by the conditions stipulated in Service Level Agreement, then it will over ride the conditions in the General Terms and Conditions.

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shall 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 under 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 the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध 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 स प्राधिकारी के पास पंजीकृत हो।बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इज अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कान्तून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।

---Thank You/धन्यवाद---