

**Bid Document/ बिड दस्तावेज़**

<b>Bid Details/बिड विवरण</b>	
<b>Bid End Date/Time/बिड बंद होने की तारीख/समय</b>	16-12-2023 14:00:00
<b>Bid Opening Date/Time/बिड खुलने की तारीख/समय</b>	16-12-2023 14:30:00
<b>Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)</b>	180 (Days)
<b>Ministry/State Name/मंत्रालय/राज्य का नाम</b>	Ministry Of Agriculture And Farmers Welfare
<b>Department Name/विभाग का नाम</b>	Department Of Agricultural Research And Education (dare)
<b>Organisation Name/संगठन का नाम</b>	Indian Council Of Agricultural Research (icar)
<b>Office Name/कार्यालय का नाम</b>	Indian Institute Of Millets Research
	Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, DNA Isolation and quantification from plant and microbe samples; Plant, Insects, Microbes / Meta .. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, RNA Isolation and quantification from plant and microbe samples; Plant, Insects, Microbes / Meta .. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, NGS Library Preparation for DNA; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, Cell o.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, NGS Library Preparation for RNA; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, Cell o.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Sanger sequencing of plasmid clones PCR product amplicon up to 800 bp; Plant, Insects, Microbes /.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Sanger sequencing of plasmid clones PCR product amplicon 800 bp 1500 bp; Plant, Insects, Microb.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Sanger sequencing of plasmid clones PCR product amplicon 1500 bp 3000 bp; Plant, Insects, Micr.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing,

Bid Details (As Per)	Epigenome analysis, Meta Genome, Genotyping, Genotypingbysequencing GBS 100000 raw tags per sample and complete data analysis; Plant, Insects.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Genotypingbysequencing GBS 300000 raw tags per sample and complete data analysis; Plant, Insects.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Illumina NGS platform 2x150 bp 20 GB data Q30 data including sample collection nucleic acids isol.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Illumina NGS platform 2x150 bp 50 GB data Q30 data including sample collection nucleic acids isol.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, One SMRT of PacBio Sequel 40 Gb raw data 10 Kb read length including sample collection nucleic ac.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, One SMRT of PacBio Sequel Systems read lengths10Kb and upto 80 GB raw data including sample colle.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, One sample on Oxford nanopore up to 200Mb raw dataincluding sample collection nucleic acids isola.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, One sample on Oxford PromethION up to 30 GB raw data including sample collection nucleic acids is.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Transcriptome sequencing 2x150bp at least 30 million raw reads library preparation de novo or re.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Transcriptome sequencing 2x150bp at least 50 million raw reads library preparation de novo or ref.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Small RNA sequencing 1x50bp atleast 25 million readsQ30 values library preparation de novo or ref.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Iso Seq library prep and sequencing atleast 10 GB raw data per library library preparation assemb.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Whole Genome Bisulphite Sequencing up to 1 Gb genome including sample collection nucleic acids i.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Genotyping of 824 SNPs using capillary electrophoresis including sample collection nucleic acids .. , Nucleic Acid Sequencing and

Bid Details/बिड विवरण	Item Category/मद केटेगरी
	<p>Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Genotyping of 4896 SNPs using capillary electrophoresis including sample collection nucleic acids.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Genotyping of 824 SNPs using KASP assay including sample collection DNA isolation purification pr.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, qRTPCR by SYBR greensample; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, Cell or cel.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Metabolite Isolation from Tissue Samples; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Roo.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Metabolite Method Development and Validation on LCMS Group Wise; Plant, Insects, Microbes / Meta .. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Metabolite Method Development and Validation on GCMS Group Wise; Plant, Insects, Microbes / Meta .. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Metabolomics studies using LCMS MS with sample preparation and data Analysis; Plant, Insects, Mi.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Protein Isolation and QC using SDSPage Gel Run and Quantification; Plant, Insects, Microbes / Met.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Protein Identification using LCMSMS QTOFORBITRAP; Plant, Insects, Microbes / Meta Genome; Leaf, S.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Targeted lipidomics using LCMS MS; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, Cel.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, MALDIMS with sample preparation and data Analysis; Plant, Insects, Microbes / Meta Genome; Leaf, .. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, LCMS QTOF with sample preparation and data Analysis; Plant, Insects, Microbes / Meta Genome; Leaf.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Nutrient concentration in Plant Samples N P K S Fe Zn Cu B Ca Mg and Mn Per element. Plant Inse</p>

Bid Details/ Factors	Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Nano Liquid Chromatography with Tandem Mass Spectrometry Detection LCMSMS; Plant, Insects, Microb.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Inductively Coupled Plasma Mass Spectrometry ICPMS; Plant, Insects, Microbes / Meta Genome; Leaf,.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Nuclear Magnetic Resonance Spectrometry NMR; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, .. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Gas Chromatography Mass Spectrometry GCMS; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Roo.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Elemental Analysis eg Nitrogen content Cabon Phosphorous etc; Plant, Insects, Microbes / Meta Ge.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Complete DNA sequencing data analysis genome assembly of millet crops and realted microbes de nov.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Complete transcriptome data analysis de novo or reference based assmebly annotation differential.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Complete bisulfite data analysis including scanningdistribution GO analysis methylated regiongene.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Complete GBS data analysis pipeline; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, C.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Metabolomics Data Analysis for Targeted Metabolite Samples Using Multiple Library; Plant, Insects.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Metabolomics Data Analysis for Untargeted Metabolite Samples Using Multiple Library; Plant, Insec.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, NMR Data Analysis; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, Cell or cell culture.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Lipidomics Data Analysis for Untargeted Metabolite Samples; Plant, Insects, Microbes / Meta Genom.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome,

<b>Bid Details/बिड विवरण</b>	Genotyping, Targeted Proteomics Data Analysis Using Multiple Library; Plant, Insects, Microbes / Meta Genome;.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Untargeted Proteomics Data Analysis Using Multiple Library; Plant, Insects, Microbes / Meta Genom.. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, Post Translational Modification PTM Analysis of protein samples; Plant, Insects, Microbes / Meta .. , Nucleic Acid Sequencing and Genotyping Service - DNA sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome analysis, Meta Genome, Genotyping, GSMS Data Analysis; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, Cell or cell cultur..
<b>Contract Period/अनुबंध अवधि</b>	2 Year(s) 1 Day(s)
<b>Minimum Average Annual Turnover of the bidder (For 3 Years)/बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का)</b>	100 Lakh (s)
<b>Years of Past Experience Required for same/similar service/उन्हीं/समान सेवाओं के लिए अपेक्षित विगत अनुभव के वर्ष</b>	2 Year (s)
<b>Past Experience of Similar Services required/इसी तरह की सेवाओं का पिछला आवश्यक अनुभव है</b>	Yes
<b>MSE Exemption for Turnover/टर्नओवर के लिए एमएसई को छूट प्राप्त है</b>	Yes
<b>Startup Exemption for Turnover/ टर्नओवर के लिए स्टार्टअप को छूट प्राप्त है</b>	Yes
<b>Document required from seller/विक्रेता से मांगे गए दस्तावेज़</b>	Experience Criteria,Bidder Turnover,Additional Doc 1 (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
<b>Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया</b>	No
<b>Type of Bid/बिड का प्रकार</b>	Two Packet Bid
<b>Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय</b>	3 Days
<b>Estimated Bid Value/अनुमानित बिड मूल्य</b>	105192553
<b>Evaluation Method/मूल्यांकन पद्धति</b>	Item wise evaluation/
<b>Financial Document Indicating Price Breakup Required/मूल्य दर्शाने वाला वित्तीय दस्तावेज़ ब्रेकअप आवश्यक है</b>	Yes

**EMD Detail/ईएमडी विवरण**

Required/आवश्यकता	No
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**ePBG Detail/ईपीबीजी विवरण**

Advisory Bank/एडवाइजरी बैंक	State Bank of India
ePBG Percentage(%) / ईपीबीजी प्रतिशत (%)	10.00
Duration of ePBG required (Months) / ईपीबीजी की अपेक्षित अवधि (महीने).	26

(a). 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 :**

Assistant

Indian Institute Of Millets Research, Department of Agricultural Research and Education (DARE), Indian Council of Agricultural Research (ICAR), Ministry of Agriculture and Farmers Welfare (Nadaf Jawaharlal Motilal)

**Splitting/विभाजन**

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

**MII Compliance/एमआईआई अनुपालन**

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

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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1. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
2. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to their meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
3. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant /

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

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

5. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference for services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered service. If L-1 is not an MSE and MSE Service Provider (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, then 100% order quantity will be awarded to such MSE bidder subject to acceptance of L1 bid price.

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

6. 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.

7. Past Experience of Similar Services: The bidder must have successfully executed/completed similar Services over the last three years i.e. the current financial year and the last three financial years(ending month of March prior to the bid opening): -

1. Three similar completed services costing not less than the amount equal to 40% (forty percent) of the estimated cost; or
2. Two similar completed services costing not less than the amount equal to 50% (fifty percent) of the estimated cost; or
3. One similar completed service costing not less than the amount equal to 80% (eighty percent) of the estimated cost.

#### **Additional Qualification/Data Required/अतिरिक्त योग्यता /आवश्यक डेटा**

**Scope of Work:**[1701833998.pdf](#)

**Payment Terms:**[1701834002.pdf](#)

**Any Other Requirement by Buyer:**[1701834007.pdf](#)

#### **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:

<b>Evalu ation Sche dules</b>	<b>Esti mat ed Val ue</b>	<b>Item/Category</b>	<b>Quan tity</b>
Sched ule 1	960 000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Dna Isolation And Quantification From Plant And Microbe Samples; Plant, Insects, Microbes / Meta ..	Numb er of sampl es : 1
Sched ule 2	230 400	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Rna Isolation And Quantification From Plant And Microbe Samples; Plant, Insects, Microbes / Meta ..	Numb er of sampl es : 1

Schedule 3	960000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Ngs Library Preparation For Dna; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, Cell O..	Number of samples : 1
Schedule 4	1200000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Ngs Library Preparation For Rna; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, Cell O..	Number of samples : 1
Schedule 5	52800	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Sanger Sequencing Of Plasmid Clones Pcr Product Amplicon Up To 800 Bp; Plant, Insects, Microbes /..	Number of samples : 1
Schedule 6	62400	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Sanger Sequencing Of Plasmid Clones Pcr Product Amplicon 800 Bp 1500 Bp; Plant, Insects, Microb..	Number of samples : 1
Schedule 7	86400	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Sanger Sequencing Of Plasmid Clones Pcr Product Amplicon 1500 Bp 3000 Bp; Plant, Insects, Micr..	Number of samples : 1
Schedule 8	168000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Genotypingbysequencing Gbs 100000 Raw Tags Per Sample And Complete Data Analysis; Plant, Insects..	Number of samples : 1
Schedule 9	408000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Genotypingbysequencing Gbs 300000 Raw Tags Per Sample And Complete Data Analysis; Plant, Insects..	Number of samples : 1
Schedule 10	1344000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Illumina Ngs Platform 2x150 Bp 20 Gb Data Q30 Data Including Sample Collection Nucleic Acids Isol..	Number of samples : 1
Schedule 11	1344000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Illumina Ngs Platform 2x150 Bp 20 Gb Data Q30 Data Including Sample Collection Nucleic Acids Isol..	Number of samples : 1
Schedule 12	1920000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Illumina Ngs Platform 2x150 Bp 50 Gb Data Q30 Data Including Sample Collection Nucleic Acids Isol..	Number of samples : 1
Schedule 13	1920000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Illumina Ngs Platform 2x150 Bp 50 Gb Data Q30 Data Including Sample Collection Nucleic Acids Isol..	Number of samples : 1
Schedule 14	1920000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Illumina Ngs Platform 2x150 Bp 50 Gb Data Q30 Data Including Sample Collection Nucleic Acids Isol..	Number of samples : 1
Schedule 15	4800000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One Smrt Of Pacbio Sequel 40 Gb Raw Data 10 Kb Read Length Including Sample Collection Nucleic Ac..	Number of samples : 1



Schedule 16	480000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One Smrt Of Pacbio Sequel 40 Gb Raw Data 10 Kb Read Length Including Sample Collection Nucleic Ac..	Number of samples : 1
Schedule 17	480000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One Smrt Of Pacbio Sequel 40 Gb Raw Data 10 Kb Read Length Including Sample Collection Nucleic Ac..	Number of samples : 1
Schedule 18	800000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One Smrt Of Pacbio Sequel Systems Read Lengths10kb And Upto 80 Gb Raw Data Including Sample Colle..	Number of samples : 1
Schedule 19	800000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One Smrt Of Pacbio Sequel Systems Read Lengths10kb And Upto 80 Gb Raw Data Including Sample Colle..	Number of samples : 1
Schedule 20	800000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One Smrt Of Pacbio Sequel Systems Read Lengths10kb And Upto 80 Gb Raw Data Including Sample Colle..	Number of samples : 1
Schedule 21	208000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One Sample On Oxford Nanopore Up To 200mb Raw Dataincluding Sample Collection Nucleic Acids Isola..	Number of samples : 1
Schedule 22	208000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One Sample On Oxford Nanopore Up To 200mb Raw Dataincluding Sample Collection Nucleic Acids Isola..	Number of samples : 1
Schedule 23	208000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One Sample On Oxford Nanopore Up To 200mb Raw Dataincluding Sample Collection Nucleic Acids Isola..	Number of samples : 1
Schedule 24	480000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One Sample On Oxford Promethion Up To 30 Gb Raw Data Including Sample Collection Nucleic Acids Is..	Number of samples : 1
Schedule 25	480000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One Sample On Oxford Promethion Up To 30 Gb Raw Data Including Sample Collection Nucleic Acids Is..	Number of samples : 1
Schedule 26	480000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One Sample On Oxford Promethion Up To 30 Gb Raw Data Including Sample Collection Nucleic Acids Is..	Number of samples : 1
Schedule 27	800000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Transcriptome Sequencing 2x150bp At Least 30 Million Raw Reads Library Preparation De Novo Or Re..	Number of samples : 1
Schedule 28	800000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Transcriptome Sequencing 2x150bp At Least 30 Million Raw Reads Library Preparation De Novo Or Re..	Number of samples : 1

Schedule 29	800000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Transcriptome Sequencing 2x150bp At Least 30 Million Raw Reads Library Preparation De Novo Or Re..	Number of samples : 1
Schedule 30	720000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Transcriptome Sequencing 2x150bp At Least 50 Million Raw Reads Library Preparation De Novo Or Ref..	Number of samples : 1
Schedule 31	720000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Transcriptome Sequencing 2x150bp At Least 50 Million Raw Reads Library Preparation De Novo Or Ref..	Number of samples : 1
Schedule 32	720000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Transcriptome Sequencing 2x150bp At Least 50 Million Raw Reads Library Preparation De Novo Or Ref..	Number of samples : 1
Schedule 33	464000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Small Rna Sequencing 1x50bp Atleast 25 Million Readsq30 Values Library Preparation De Novo Or Ref..	Number of samples : 1
Schedule 34	464000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Small Rna Sequencing 1x50bp Atleast 25 Million Readsq30 Values Library Preparation De Novo Or Ref..	Number of samples : 1
Schedule 35	464000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Small Rna Sequencing 1x50bp Atleast 25 Million Readsq30 Values Library Preparation De Novo Or Ref..	Number of samples : 1
Schedule 36	2400000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Iso Seq Library Prep And Sequencing Atleast 10 Gb Raw Data Per Library Library Preparation Assemb..	Number of samples : 1
Schedule 37	2400000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Iso Seq Library Prep And Sequencing Atleast 10 Gb Raw Data Per Library Library Preparation Assemb..	Number of samples : 1
Schedule 38	2400000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Iso Seq Library Prep And Sequencing Atleast 10 Gb Raw Data Per Library Library Preparation Assemb..	Number of samples : 1
Schedule 39	1600000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Whole Genome Bisulphite Sequencing Up To 1 Gb Genome Including Sample Collection Nucleic Acids I..	Number of samples : 1
Schedule 40	1600000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Whole Genome Bisulphite Sequencing Up To 1 Gb Genome Including Sample Collection Nucleic Acids I..	Number of samples : 1
Schedule 41	1600000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Whole Genome Bisulphite Sequencing Up To 1 Gb Genome Including Sample Collection Nucleic Acids I..	Number of samples : 1

Schedule 42	115 200	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Genotyping Of 824 Snps Using Capillary Electrophoresis Including Sample Collection Nucleic Acids ..	Number of samples : 1
Schedule 43	115 200	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Genotyping Of 824 Snps Using Capillary Electrophoresis Including Sample Collection Nucleic Acids ..	Number of samples : 1
Schedule 44	124 800	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Genotyping Of 4896 Snps Using Capillary Electrophoresis Including Sample Collection Nucleic Acids..	Number of samples : 1
Schedule 45	124 800	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Genotyping Of 4896 Snps Using Capillary Electrophoresis Including Sample Collection Nucleic Acids..	Number of samples : 1
Schedule 46	115 200	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Genotyping Of 824 Snps Using Kasp Assay Including Sample Collection Dna Isolation Purification Pr..	Number of samples : 1
Schedule 47	115 200	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Genotyping Of 824 Snps Using Kasp Assay Including Sample Collection Dna Isolation Purification Pr..	Number of samples : 1
Schedule 48	230 400	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Genotyping Of 4896 Snps Using Kasp Assay Including Sample Collection Dna Isolation Purification P..	Number of samples : 1
Schedule 49	230 400	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Genotyping Of 4896 Snps Using Kasp Assay Including Sample Collection Dna Isolation Purification P..	Number of samples : 1
Schedule 50	144 000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, QrtPCR By Sybr Greensample; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, Cell Or Cel..	Number of samples : 1
Schedule 51	144 000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, QrtPCR By Sybr Greensample; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, Cell Or Cel..	Number of samples : 1
Schedule 52	240 000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Metabolite Isolation From Tissue Samples; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Roo..	Number of samples : 1
Schedule 53	576 000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Metabolite Method Development And Validation On Lcms Group Wise; Plant, Insects, Microbes / Meta ..	Number of samples : 1
Schedule 54	576 000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Metabolite Method Development And Validation On Gcms Group Wise; Plant, Insects, Microbes / Meta ..	Number of samples : 1

Schedule 55	1200000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Metabolomics Studies Using Lcms Ms With Sample Preparation And Data Analysis; Plant, Insects, Mi..	Number of samples : 1
Schedule 56	384000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Protein Isolation And Qc Using Sdspage Gel Run And Quantification; Plant, Insects, Microbes / Met..	Number of samples : 1
Schedule 57	1200000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Protein Identification Using Lcmsms Qtoforbitrap; Plant, Insects, Microbes / Meta Genome; Leaf, S..	Number of samples : 1
Schedule 58	1056000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Targeted Lipidomics Using Lcms Ms; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, Cel..	Number of samples : 1
Schedule 59	1728000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Maldims With Sample Preparation And Data Analysis; Plant, Insects, Microbes / Meta Genome; Leaf, ..	Number of samples : 1
Schedule 60	2496000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Lcms Qtof With Sample Preparation And Data Analysis; Plant, Insects, Microbes / Meta Genome; Leaf..	Number of samples : 1
Schedule 61	768000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Nutrient Concentration In Plant Samples N P K S Fe Zn Cu B Ca Mg And Mn Per Element; Plant, Inse..	Number of samples : 1
Schedule 62	960000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Nano Liquid Chromatography With Tandem Mass Spectrometry Detection Lcmsms; Plant, Insects, Microb..	Number of samples : 1
Schedule 63	480000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Inductively Coupled Plasma Mass Spectrometry Icpms; Plant, Insects, Microbes / Meta Genome; Leaf,..	Number of samples : 1
Schedule 64	1056000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Nuclear Magnetic Resonance Spectrometry Nmr; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, ..	Number of samples : 1
Schedule 65	768000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Gas Chromatography Mass Spectrometry Gcms; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Roo..	Number of samples : 1
Schedule 66	672000	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Elemental Analysis Eg Nitrogen Content Carbon Phosphorous Etc; Plant, Insects, Microbes / Meta Ge..	Number of samples : 1
Schedule 67	168,000.00	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Complete Dna Sequencing Data Analysis Genome Assembly Of Millet Crops And Related Microbes De Nov..	Number of samples : 1

Schedule 68	480,000.00	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Complete Transcriptome Data Analysis De Novo Or Reference Based Assmebly Annotation Differential..	Number of samples : 1
Schedule 69	288,000.00	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Complete Transcriptome Data Analysis De Novo Or Reference Based Assmebly Annotation Differential..	Number of samples : 1
Schedule 70	672,000.00	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Complete Bisulfite Data Analysis Including Scanningdistribution Go Analysis Methylated Regiongene..	Number of samples : 1
Schedule 71	48,000.00	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Complete Gbs Data Analysis Pipeline; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, C..	Number of samples : 1
Schedule 72	384,000.00	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Metabolomics Data Analysis For Targeted Metabolite Samples Using Multiple Library; Plant, Insects..	Number of samples : 1
Schedule 73	576,000.00	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Metabolomics Data Analysis For Untargeted Metabolite Samples Using Multiple Library; Plant, Insec..	Number of samples : 1
Schedule 74	480,000.00	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Nmr Data Analysis; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, Cell Or Cell Culture..	Number of samples : 1
Schedule 75	576,000.00	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Lipidomics Data Analysis For Untargeted Metabolite Samples; Plant, Insects, Microbes / Meta Genom..	Number of samples : 1
Schedule 76	480,000.00	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Targeted Proteomics Data Analysis Using Multiple Library; Plant, Insects, Microbes / Meta Genome;..	Number of samples : 1
Schedule 77	720,000.00	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Untargeted Proteomics Data Analysis Using Multiple Library; Plant, Insects, Microbes / Meta Genom..	Number of samples : 1
Schedule 78	1,200,000.00	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Post Translational Modification Ptm Analysis Of Protein Samples; Plant, Insects, Microbes / Meta ..	Number of samples : 1
Schedule 79	480,000.00	Nucleic Acid Sequencing And Genotyping Service - Dna Sequencing, Rna Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Gsms Data Analysis; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, Cell Or Cell Cultur..	Number of samples : 1

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, DNA Isolation And Quantification From Plant And Microbe Samples; Plant, Insects, Microbes / Meta .. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , DNA Isolation and quantification from plant and microbe samples
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Kit based
What quality reads per sample do you require	Based on spectrun read 99 Percentage
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	Low throughput , High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	30 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, RNA Isolation And Quantification From Plant And Microbe Samples; Plant, Insects, Microbes / Meta .. ( 1 )****Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , RNA Isolation and quantification from plant and microbe samples
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Kit based
What quality reads per sample do you require	Based on spectrun read 99 Percentage
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	Low throughput , High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	30 days

Specification	Values
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

#### Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़

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

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

#### Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, NGS Library Preparation For DNA; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, Cell O.. ( 1 )

#### Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , NGS Library Preparation for DNA
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)



<b>Specification</b>	<b>Values</b>
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Kit based
What quality reads per sample do you require	Based on spectrun read 99 Percentage
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	Low throughput , High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	30 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, NGS Library Preparation For RNA; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, Cell O.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , NGS Library Preparation for RNA
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Kit based
What quality reads per sample do you require	Based on spectrun read 99 Percentage
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	Low throughput , High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	30 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative

Specification	Values
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Sanger Sequencing Of Plasmid Clones PCR Product Amplicon Up To 800 Bp; Plant, Insects, Microbes /.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Sanger sequencing of plasmid clones PCR product amplicon up to 800 bp
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Sanger sequencing

Specification	Values
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	Low throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	30 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics – Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing /**

## Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Sanger Sequencing Of Plasmid Clones PCR Product Amplicon 800 Bp 1500 Bp; Plant, Insects, Microb.. ( 1 )

### Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Sanger sequencing of plasmid clones PCR product amplicon 800 bp 1500 bp
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Sanger sequencing
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	Low throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	30 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़****Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Sanger Sequencing Of Plasmid Clones PCR Product Amplicon 1500 Bp 3000 Bp; Plant, Insects, Micr.. ( 1 )****Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Sanger sequencing of plasmid clones PCR product amplicon 1500 bp 3000 bp
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Sanger sequencing
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	Low throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media

Specification	Values
Data delivery timeframe	30 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics – Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Genotypingbysequencing GBS 100000 Raw Tags Per Sample And Complete Data Analysis; Plant, Insects.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Genotypingbysequencing GBS 100000 raw tags per sample and complete data analysis

<b>Specification</b>	<b>Values</b>
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Oxford Nanopore , Ion torrent , AgriSeq , As per Specification
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics – Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**



S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Genotypingbysequencing GBS 300000 Raw Tags Per Sample And Complete Data Analysis; Plant, Insects.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Genotypingbysequencing GBS 300000 raw tags per sample and complete data analysis
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Ion torrent , AgriSeq , As per Specification
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative

Specification	Values
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Illumina NGS Platform 2x150 Bp 20 GB Data Q30 Data Including Sample Collection Nucleic Acids Isol.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Illumina NGS platform 2x150 bp 20 GB data Q30 data including sample collection nucleic acids isolation purification library construction QC genome assembly gene prediction gene locations variant calling annotations functional classifica
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)

<b>Specification</b>	<b>Values</b>
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Illumina
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़****Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Illumina NGS Platform 2x150 Bp 20 GB Data Q30 Data Including Sample Collection Nucleic Acids Isol.. ( 1 )****Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Illumina NGS platform 2x150 bp 20 GB data Q30 data including sample collection nucleic acids isolation purification library construction QC genome assembly gene prediction gene locations variant calling annotations functional classifica
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Illumina
What quality reads per sample do you require	95% and above
What depth /coverage do you require	5x

Specification	Values
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing

**Addon(s)/एडऑन**

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Illumina NGS Platform 2x150 Bp 50 GB Data Q30 Data Including Sample Collection Nucleic Acids Isol.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Illumina NGS platform 2x150 bp 50 GB data Q30 data including sample collection nucleic acids isolation purification library construction QC genome assembly gene prediction gene locations variant calling annotations functional classifica
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Illumina
What quality reads per sample do you require	95% and above
What depth /coverage do you require	5x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis

Specification	Values
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Illumina NGS Platform 2x150 Bp 50 GB Data Q30 Data Including Sample Collection Nucleic Acids Isol.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Illumina NGS platform 2x150 bp 50 GB data Q30 data including sample collection nucleic acids isolation purification library construction QC genome assembly gene prediction gene locations variant calling annotations functional classifica
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Illumina
What quality reads per sample do you require	95% and above
What depth /coverage do you require	10x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative



Specification	Values
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Illumina NGS Platform 2x150 Bp 50 GB Data Q30 Data Including Sample Collection Nucleic Acids Isol.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Illumina NGS platform 2x150 bp 50 GB data Q30 data including sample collection nucleic acids isolation purification library construction QC genome assembly gene prediction gene locations variant calling annotations functional classifica
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome

Specification	Values
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Illumina
What quality reads per sample do you require	95% and above
What depth /coverage do you require	50x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No

Specification	Values
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One SMRT Of PacBio Sequel 40 Gb Raw Data 10 Kb Read Length Including Sample Collection Nucleic Ac.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , One SMRT of PacBio Sequel 40 Gb raw data 10 Kb read length including sample collection nucleic acids isolation purification library construction QC genome assembly gene prediction gene locations variant calling annotations functional cla
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Pac Bio

Specification	Values
What quality reads per sample do you require	95% and above
What depth /coverage do you require	5x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One SMRT Of PacBio Sequel 40 Gb Raw Data 10 Kb Read Length Including Sample Collection Nucleic Ac.. ( 1 )****Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , One SMRT of PacBio Sequel 40 Gb raw data 10 Kb read length including sample collection nucleic acids isolation purification library construction QC genome assembly gene prediction gene locations variant calling annotations functional cla
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Pac Bio
What quality reads per sample do you require	95% and above
What depth /coverage do you require	10x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis

Specification	Values
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One SMRT Of PacBio Sequel 40 Gb Raw Data 10 Kb Read Length Including Sample Collection Nucleic Ac.. ( 1 )**

## Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , One SMRT or PacBio Sequel 40 Gb raw data 10 Kb read length including sample collection nucleic acids isolation purification library construction QC genome assembly gene prediction gene locations variant calling annotations functional cla
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Pac Bio
What quality reads per sample do you require	95% and above
What depth /coverage do you require	50x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative

Specification	Values
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One SMRT Of PacBio Sequel Systems Read Lengths 10Kb And Upto 80 GB Raw Data Including Sample Colle.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , One SMRT of PacBio Sequel Systems read lengths 10Kb and upto 80 GB raw data including sample collection nucleic acids isolation purification library construction QC genome assembly gene prediction gene locations variant calling annotations
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome



Specification	Values
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Pac Bio
What quality reads per sample do you require	95% and above
What depth /coverage do you require	5x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No

Specification	Values
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One SMRT Of PacBio Sequel Systems Read Lengths 10Kb And Upto 80 GB Raw Data Including Sample Colle.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , One SMRT of PacBio Sequel Systems read lengths 10Kb and upto 80 GB raw data including sample collection nucleic acids isolation purification library construction QC genome assembly gene prediction gene locations variant calling annotations
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Pac Bio

<b>Specification</b>	<b>Values</b>
What quality reads per sample do you require	95% and above
What depth /coverage do you require	10x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One SMRT Of PacBio Sequel Systems Read Lengths 10Kb And Upto 80 GB Raw Data Including Sample Colle.. ( 1 )****Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , One SMRT of PacBio Sequel Systems read lengths 10Kb and upto 80 GB raw data including sample collection nucleic acids isolation purification library construction QC genome assembly gene prediction gene locations variant calling annotations
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Pac Bio
What quality reads per sample do you require	95% and above
What depth /coverage do you require	50x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis

Specification	Values
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One Sample On Oxford Nanopore Up To 200Mb Raw Data including Sample Collection Nucleic Acids Isola.. ( 1 )**

## Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , One sample on Oxford nanopore up to 200Mb raw data including sample collection nucleic acids isolation purification library construction QC genome assembly gene prediction gene locations variant calling annotations functional classificatio
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Oxford Nanopore
What quality reads per sample do you require	95% and above
What depth /coverage do you require	5x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative

Specification	Values
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

#### Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़

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

S.No./क्र. सं.	Consignee Reporting/Officer/परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

#### Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One Sample On Oxford Nanopore Up To 200Mb Raw Data including Sample Collection Nucleic Acids Isola.. ( 1 )

#### Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , One sample on Oxford nanopore up to 200Mb raw data including sample collection nucleic acids isolation purification library construction QC genome assembly gene prediction gene locations variant calling annotations functional classificatio
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome

Specification	Values
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Oxford Nanopore
What quality reads per sample do you require	95% and above
What depth /coverage do you require	10x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No



Specification	Values
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One Sample On Oxford Nanopore Up To 200Mb Raw Data including Sample Collection Nucleic Acids Isola.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , One sample on Oxford nanopore up to 200Mb raw data including sample collection nucleic acids isolation purification library construction QC genome assembly gene prediction gene locations variant calling annotations functional classificatio
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Oxford Nanopore

Specification	Values
What quality reads per sample do you require	95% and above
What depth /coverage do you require	50x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One Sample On Oxford PromethION Up To 30 GB Raw Data Including Sample Collection Nucleic Acids Is.. ( 1 )****Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , One sample on Oxford PromethION up to 30 GB raw data including sample collection nucleic acids isolation purification library construction QC genome assembly gene prediction gene locations variant calling annotations functional classifica
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Oxford Nanopore
What quality reads per sample do you require	95% and above
What depth /coverage do you require	5x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis

Specification	Values
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One Sample On Oxford PromethION Up To 30 GB Raw Data Including Sample Collection Nucleic Acids Is.. ( 1 )**

## Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , One sample on Oxford PromethION up to 30 GB raw data including sample collection nucleic acids isolation purification library construction QC genome assembly gene prediction gene locations variant calling annotations functional classifica
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Oxford Nanopore
What quality reads per sample do you require	95% and above
What depth /coverage do you require	10x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative

Specification	Values
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, One Sample On Oxford PromethION Up To 30 GB Raw Data Including Sample Collection Nucleic Acids Is.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , One sample on Oxford PromethION up to 30 GB raw data including sample collection nucleic acids isolation purification library construction QC genome assembly gene prediction gene locations variant calling annotations functional classifica
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome

Specification	Values
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Oxford Nanopore
What quality reads per sample do you require	95% and above
What depth /coverage do you require	50x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No

Specification	Values
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Transcriptome Sequencing 2x150bp At Least 30 Million Raw Reads Library Preparation De Novo Or Re.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Transcriptome sequencing 2x150bp at least 30 million raw reads library preparation de novo or referencebased assmebly annotation differential expression comparative analysis alternate splice variants GO analysis KEGG mapping complete tr
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Illumina , Oxford Nanopore , Ion torrent , Pac Bio , As per Specifications



<b>Specification</b>	<b>Values</b>
What quality reads per sample do you require	95% and above
What depth /coverage do you require	5x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Transcriptome Sequencing 2x150bp At Least 30 Million Raw Reads Library Preparation De Novo Or Re.. ( 1 )****Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Transcriptome sequencing 2x150bp at least 30 million raw reads library preparation de novo or referencebased assmebly annotation differential expression comparative analysis alternate splice variants GO analysis KEGG mapping complete tr
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Illumina , Oxford Nanopore , Ion torrent , Pac Bio , As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	10x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis

Specification	Values
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Transcriptome Sequencing 2x150bp At Least 30 Million Raw Reads Library Preparation De Novo Or Re.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Transcriptome sequencing 2x150bp at least 30 million raw reads library preparation de novo or referencebased assmebly annotation differential expression comparative analysis alternate splice variants GO analysis KEGG mapping complete tr
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Illumina , Oxford Nanopore , Ion torrent , Pac Bio , As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	50x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative

Specification	Values
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

#### Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़

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

S.No./क्र. सं.	Consignee Reporting/Officer/परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

#### **Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Transcriptome Sequencing 2x150bp At Least 50 Million Raw Reads Library Preparation De Novo Or Ref.. ( 1 )**

#### Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Transcriptome sequencing 2x150bp at least 50 million raw reads library preparation de novo or referencebased assmebly annotation differential expression comparative analysis alternate splice variants GO analysis KEGG mapping complete tran
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome

<b>Specification</b>	<b>Values</b>
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Illumina , Oxford Nanopore , Ion torrent , Pac Bio , As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	5x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No

Specification	Values
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Transcriptome Sequencing 2x150bp At Least 50 Million Raw Reads Library Preparation De Novo Or Ref.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Transcriptome sequencing 2x150bp at least 50 million raw reads library preparation de novo or referencebased assmebly annotation differential expression comparative analysis alternate splice variants GO analysis KEGG mapping complete tran
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Illumina , Oxford Nanopore , Ion torrent , Pac Bio , As per Specifications

Specification	Values
What quality reads per sample do you require	95% and above
What depth /coverage do you require	10x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**



**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Transcriptome Sequencing 2x150bp At Least 50 Million Raw Reads Library Preparation De Novo Or Ref.. ( 1 )****Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Transcriptome sequencing 2x150bp at least 50 million raw reads library preparation de novo or referencebased assmebly annotation differential expression comparative analysis alternate splice variants GO analysis KEGG mapping complete tran
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Illumina , Oxford Nanopore , Ion torrent , Pac Bio , As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	50x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis

Specification	Values
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Small RNA Sequencing 1x50bp Atleast 25 Million Reads Q30 Values Library Preparation De Novo Or Ref.. ( 1 )**

## Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Small RNA sequencing 1x50bp atleast 25 million readsQ30 values library preparation de novo or referencebased assmebly annotation differential expression comparative analysis alternate splice variants GO analysis KEGG mapping complete tr
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Illumina , Oxford Nanopore , Ion torrent , Pac Bio , As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	5x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative

Specification	Values
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Small RNA Sequencing 1x50bp Atleast 25 Million ReadsQ30 Values Library Preparation De Novo Or Ref.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Small RNA sequencing 1x50bp atleast 25 million readsQ30 values library preparation de novo or referencebased assmebly annotation differential expression comparative analysis alternate splice variants GO analysis KEGG mapping complete tr
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome

<b>Specification</b>	<b>Values</b>
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Illumina , Oxford Nanopore , Ion torrent , Pac Bio , As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	10x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No

Specification	Values
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Small RNA Sequencing 1x50bp Atleast 25 Million ReadsQ30 Values Library Preparation De Novo Or Ref.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Small RNA sequencing 1x50bp atleast 25 million readsQ30 values library preparation de novo or referencebased assmebly annotation differential expression comparative analysis alternate splice variants GO analysis KEGG mapping complete tr
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Illumina , Oxford Nanopore , Ion torrent , Pac Bio , As per Specifications

<b>Specification</b>	<b>Values</b>
What quality reads per sample do you require	95% and above
What depth /coverage do you require	50x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030,Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Iso Seq Library Prep And Sequencing Atleast 10 GB Raw Data Per Library Library Preparation Assemb.. ( 1 )****Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Iso Seq library prep and sequencing atleast 10 GB raw data per library library preparation assembly annotation differential expression comparative analysis alternate splice variants GO analysis KEGG mapping etc
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Pac Bio
What quality reads per sample do you require	95% and above
What depth /coverage do you require	5x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis



Specification	Values
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Iso Seq Library Prep And Sequencing Atleast 10 GB Raw Data Per Library Library Preparation Assemb.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Iso Seq library prep and sequencing atleast 10 GB raw data per library library preparation assembly annotation differential expression comparative analysis alternate splice variants GO analysis KEGG mapping etc
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Pac Bio
What quality reads per sample do you require	95% and above
What depth /coverage do you require	10x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative

Specification	Values
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Iso Seq Library Prep And Sequencing Atleast 10 GB Raw Data Per Library Library Preparation Assemb.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Iso Seq library prep and sequencing atleast 10 GB raw data per library preparation assembly annotation differential expression comparative analysis alternate splice variants GO analysis KEGG mapping etc
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer

<b>Specification</b>	<b>Values</b>
Which Chemistry / Platform you require	Pac Bio
What quality reads per sample do you require	95% and above
What depth /coverage do you require	50x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Whole Genome Bisulphite Sequencing Up To 1 Gb Genome Including Sample Collection Nucleic Acids I.. ( 1 )****Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Whole Genome Bisulphite Sequencing up to 1 Gb genome including sample collection nucleic acids isolation purification library construction QC DMGs location of DMGs gene ontology pathways functional classifications
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Pac Bio , Illumina , Oxford Nanopore , Ion torrent , As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	5x
Service required for number of samples to be analyzed	High throughput

Specification	Values
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030,Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Whole Genome Bisulphite Sequencing Up To 1 Gb Genome Including Sample Collection**

## Nucleic Acids I.. ( 1 )

### Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Whole Genome Bisulphite Sequencing up to 1 Gb genome including sample collection nucleic acids isolation purification library construction QC DMGs location of DMGs gene ontology pathways functional classifications
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Pac Bio , Illumina , Oxford Nanopore , Ion torrent , As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	10x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative

Specification	Values
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Whole Genome Bisulphite Sequencing Up To 1 Gb Genome Including Sample Collection Nucleic Acids I.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Whole Genome Bisulphite Sequencing up to 1 Gb genome including sample collection nucleic acids isolation purification library construction QC DMGs location of DMGs gene ontology pathways functional classifications
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome



<b>Specification</b>	<b>Values</b>
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	Pac Bio , Illumina , Oxford Nanopore , Ion torrent , As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	50x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing

Specification	Values
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Genotyping Of 824 SNPs Using Capillary Electrophoresis Including Sample Collection Nucleic Acids .. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Genotyping of 824 SNPs using capillary electrophoresis including sample collection nucleic acids isolation purification QC and clearcut SNP calls
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications , ABI , KASP , AgriSeq
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x

Specification	Values
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Genotyping Of 824 SNPs Using Capillary Electrophoresis Including Sample Collection**

## Nucleic Acids .. ( 1 )

### Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Genotyping of 824 SNPs using capillary electrophoresis including sample collection nucleic acids isolation purification QC and clearcut SNP calls
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	ABI , KASP , AgriSeq , As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	5x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No

Specification	Values
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Genotyping Of 4896 SNPs Using Capillary Electrophoresis Including Sample Collection Nucleic Acids.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Genotyping of 4896 SNPs using capillary electrophoresis including sample collection nucleic acids isolation purification QC and clearcut SNP calls
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	KASP , AgriSeq , As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x

Specification	Values
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Genotyping Of 4896 SNPs Using Capillary Electrophoresis Including Sample Collection**

## Nucleic Acids.. ( 1 )

### Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Genotyping of 4896 SNPs using capillary electrophoresis including sample collection nucleic acids isolation purification QC and clearcut SNP calls
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	AgriSeq , As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	5x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No

Specification	Values
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Genotyping Of 824 SNPs Using KASP Assay Including Sample Collection DNA Isolation Purification Pr.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Genotyping of 824 SNPs using KASP assay including sample collection DNA isolation purification primer designing QC and discrimination of SNP alleles allelic data DNA sequences containing SNPs with flanking regions will be provided by the client
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications



<b>Specification</b>	<b>Values</b>
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Genotyping Of 824 SNPs Using KASP Assay Including Sample Collection DNA Isolation Purification Pr.. ( 1 )****Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Genotyping of 824 SNPs using KASP assay including sample collection DNA isolation purification primer designing QC and discrimination of SNP alleles allelic data DNA sequences containing SNPs with flanking regions will be provided by the client
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	5x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis

Specification	Values
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Genotyping Of 4896 SNPs Using KASP Assay Including Sample Collection DNA Isolation Purification P.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Genotyping of 4896 SNPs using KASP assay including sample collection DNA isolation purification primer designing QC and discrimination of SNP alleles allelic data DNA sequences containing SNPs with flanking regions will be provided by the client
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative

Specification	Values
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Genotyping Of 4896 SNPs Using KASP Assay Including Sample Collection DNA Isolation Purification P.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Genotyping of 4896 SNPs using KASP assay including sample collection DNA isolation purification primer designing QC and discrimination of SNP alleles allelic data DNA sequences containing SNPs with flanking regions will be provided by the client
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome

<b>Specification</b>	<b>Values</b>
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	5x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No

Specification	Values
Testing Lab Accreditation Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, QRTPCR By SYBR Greensample; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, Cell Or Cel.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , qRTPCR by SYBR greensample
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x

Specification	Values
Service required for number of samples to be analyzed	Medium throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, QRT-PCR By SYBR Greensample; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, Cell Or Cel.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**



Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , qRTPCR by SYBR greensample
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	5x
Service required for number of samples to be analyzed	Medium throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Metabolite Isolation From Tissue Samples; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Roo.. ( 1 )****Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Metabolite Isolation from Tissue Samples
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative

Specification	Values
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Metabolite Method Development And Validation On LCMS Group Wise; Plant, Insects, Microbes / Meta .. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Metabolite Method Development and Validation on LCMS Group Wise
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications

Specification	Values
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics – Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing /**

## Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Metabolite Method Development And Validation On GCMS Group Wise; Plant, Insects, Microbes / Meta .. ( 1 )

### Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Metabolite Method Development and Validation on GCMS Group Wise
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़****Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Metabolomics Studies Using LCMS MS With Sample Preparation And Data Analysis; Plant, Insects, Mi.. ( 1 )****Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Metabolomics studies using LCMS MS with sample preparation and data Analysis
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media

Specification	Values
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics – Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Protein Isolation And QC Using SDSPage Gel Run And Quantification; Plant, Insects, Microbes / Met.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Protein Isolation and QC using SDSPage Gel Run and Quantification

<b>Specification</b>	<b>Values</b>
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

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**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**



S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Protein Identification Using LCMSMS QTOFORBITRAP; Plant, Insects, Microbes / Meta Genome; Leaf, S.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Protein Identification using LCMSMS QTOFORBITRAP
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative

Specification	Values
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Targeted Lipidomics Using LCMS MS; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, Cel.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Targeted lipidomics using LCMS MS
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications

Specification	Values
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics – Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing /**

## Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, MALDIMS With Sample Preparation And Data Analysis; Plant, Insects, Microbes / Meta Genome; Leaf, .. ( 1 )

### Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , MALDIMS with sample preparation and data Analysis
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़****Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, LCMS QTOF With Sample Preparation And Data Analysis; Plant, Insects, Microbes / Meta Genome; Leaf.. ( 1 )****Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , LCMS QTOF with sample preparation and data Analysis
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days

Specification	Values
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

#### Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़

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

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

#### Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Nutrient Concentration In Plant Samples N P K S Fe Zn Cu B Ca Mg And Mn Per Element; Plant, Inse.. ( 1 )

#### Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Nutrient concentration in Plant Samples N P K S Fe Zn Cu B Ca Mg and Mn Per element
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)

<b>Specification</b>	<b>Values</b>
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्ट दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Nano Liquid Chromatography With Tandem Mass Spectrometry Detection LCMSMS; Plant, Insects, Microb.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Nano Liquid Chromatography with Tandem Mass Spectrometry Detection LCMSMS
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative



Specification	Values
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Inductively Coupled Plasma Mass Spectrometry ICPMS; Plant, Insects, Microbes / Meta Genome; Leaf,.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Inductively Coupled Plasma Mass Spectrometry ICPMS
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications

Specification	Values
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics – Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing /**

**Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Nuclear Magnetic Resonance Spectrometry NMR; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, .. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Nuclear Magnetic Resonance Spectrometry NMR
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़****Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Gas Chromatography Mass Spectrometry GCMS; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Roo.. ( 1 )****Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Gas Chromatography Mass Spectrometry GCMS
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days

Specification	Values
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

#### Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़

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

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

#### Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Elemental Analysis Eg Nitrogen Content Cabon Phosphorous Etc; Plant, Insects, Microbes / Meta Ge.. ( 1 )

#### Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Elemental Analysis eg Nitrogen content Cabon Phosphorous etc
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)

<b>Specification</b>	<b>Values</b>
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	95% and above
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्ट दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Complete DNA Sequencing Data Analysis Genome Assembly Of Millet Crops And Related Microbes De Nov.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Complete DNA sequencing data analysis genome assembly of millet crops and related microbes de novoref annotation comparative analysis GO analysis KEGG pathway mapping target identification secondary structure prediction SNP variant call
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	As per Specification
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis , Secondary analysis , As per Specifications

Specification	Values
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Complete Transcriptome Data Analysis De Novo Or Reference Based Assmebly Annotation Differential.. ( 1 )**



**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Complete transcriptome data analysis de novo or reference based assembly annotation differential expression comparative analysis alternate splice variants GO analysis KEGG mapping etc
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	As per Specification
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis , Secondary analysis , As per Specifications
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative

Specification	Values
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Complete Transcriptome Data Analysis De Novo Or Reference Based Assmeby Annotation Differential.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Complete transcriptome data analysis de novo or reference based assmeby annotation differential expression comparative analysis alternate splice variants GO analysis KEGG mapping etc
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer

<b>Specification</b>	<b>Values</b>
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	As per Specification
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis , Secondary analysis , As per Specifications
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

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**Consignees/Reporting Officer/प्रेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Complete Bisulfite Data Analysis Including Scanningdistribution GO Analysis Methylated Regionene.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Complete bisulfite data analysis including scanningdistribution GO analysis methylated regionenepromoter identification plotting graphs comparative mapping visualization methods any specific analysis need based as intended by intender
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	As per Specification
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis , Secondary analysis , As per Specifications

Specification	Values
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics— Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Complete GBS Data Analysis Pipeline; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, C.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Complete GBS data analysis pipeline
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	As per Specification
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis , Secondary analysis , As per Specifications
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Metabolomics Data Analysis For Targeted Metabolite Samples Using Multiple Library; Plant, Insects.. ( 1 )****Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Metabolomics Data Analysis for Targeted Metabolite Samples Using Multiple Library
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	As per Specification
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis , Secondary analysis , As per Specifications
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters

Specification	Values
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

#### Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़

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

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

#### Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Metabolomics Data Analysis For Untargeted Metabolite Samples Using Multiple Library; Plant, Insec.. ( 1 )

#### Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Metabolomics Data Analysis for Untargeted Metabolite Samples Using Multiple Library
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)



<b>Specification</b>	<b>Values</b>
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	As per Specification
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis , Secondary analysis , As per Specifications
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्ट दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, NMR Data Analysis; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, Cell Or Cell Culture.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , NMR Data Analysis
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	As per Specification
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis , Secondary analysis , As per Specifications
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative

Specification	Values
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Lipidomics Data Analysis For Untargeted Metabolite Samples; Plant, Insects, Microbes / Meta Genom.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Lipidomics Data Analysis for Untargeted Metabolite Samples
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications

Specification	Values
What quality reads per sample do you require	As per Specification
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis , Secondary analysis , As per Specifications
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics – Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing /**

## Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Targeted Proteomics Data Analysis Using Multiple Library; Plant, Insects, Microbes / Meta Genome;.. ( 1 )

### Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Targeted Proteomics Data Analysis Using Multiple Library
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	As per Specification
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis , Secondary analysis , As per Specifications
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़****Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Untargeted Proteomics Data Analysis Using Multiple Library; Plant, Insects, Microbes / Meta Genom.. ( 1 )****Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Untargeted Proteomics Data Analysis Using Multiple Library
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	As per Specification
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis , Secondary analysis , As per Specifications
Data Delivery Mode	Physical media

Specification	Values
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics – Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, Post Translational Modification PTM Analysis Of Protein Samples; Plant, Insects, Microbes / Meta .. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , Post Translational Modification PTM Analysis of protein samples

<b>Specification</b>	<b>Values</b>
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	As per Specification
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis , Secondary analysis , As per Specifications
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics – Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

**Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़**

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**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी**



S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	1	N/A

**Nucleic Acid Sequencing And Genotyping Service - DNA Sequencing, RNA Sequencing / Transcriptome Sequencing, Epigenome Analysis, Meta Genome, Genotyping, GSMS Data Analysis; Plant, Insects, Microbes / Meta Genome; Leaf, Seed, Root, Cell Or Cell Cultur.. ( 1 )**

**Technical Specifications/तकनीकी विशिष्टियाँ**

Specification	Values
<b>Core</b>	
Type of sequencing exercise to be done	DNA sequencing , RNA Sequencing / Transcriptome Sequencing , Epigenome analysis , Meta Genome , Genotyping , GSMS Data Analysis
Type of organism for sequencing	Plant , Insects , Microbes / Meta Genome
Type of sample	Leaf , Seed , Root , Cell or cell cultures , Soil , Nucleic acids (DNA or RNA)
Sample collection option	To be collected by the service provider from the buyer
Which Chemistry / Platform you require	As per Specifications
What quality reads per sample do you require	As per Specification
What depth /coverage do you require	2x
Service required for number of samples to be analyzed	High throughput
What kind of output data is required	Raw data , Primary analysis , Secondary analysis , As per Specifications
Data Delivery Mode	Physical media
Data delivery timeframe	90 days
What kind of QC parameters are required	System output QC parameters , Machine built QC parameters
Model of sequencing facility to be followed	Collaborative

Specification	Values
Model of bioinformatics analysis facility to be followed	Collaborative
Consent for the sample to be sent abroad for testing	No
Testing Lab Accreditations Certifications	National Accreditation Board for Testing & Calibration Laboratories (NABL) , ISO/IEC 17025 Testing and Calibration Laboratories , ISO/TS 22692:2020 Genomics informatics — Quality control metrics for DNA sequencing
<b>Addon(s)/एडऑन</b>	

#### Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़

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

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Number of samples	Additional Requirement/अतिरिक्त आवश्यकता
1	Nadaf Jawaharlal Motilal	500030, Indian Institute of Millets Research, Rajendranagar, Hyderabad	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 contract duration can only be increased up to 25 percent. Bidders are bound to accept the revised quantity or duration

##### 2. 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.

##### 3. 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 Unit - IIMR  
payable at  
Hyderabad

. 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.

#### 4. Buyer Added Bid Specific Scope Of Work(SOW)

Text Clause(s)

S.No.	Documents
1	Bid security Declaration Form as per <b>Annexure- I</b>
2	Scanned copy of the duly-filled and signed "Bidder's Profile" as per <b>Annexure - II</b>
3	Scanned copy of the signed "Compliance sheet of Technical Specification" as per <b>Annexure - III.</b>
4	Scanned copy of the duly filled and signed "Tender Acceptance Letter" as per <b>Annexure V.</b>
5	Non-Blacklisting certificate on letter head duly signed and stamped - <b>Annexure VI</b>
6	Annual turnover duly certified by CA Not less than Rs.1 Crore for any 2 years from last 5 financial years(i.e. 2018 to 2023).
7	IT returns of any 2 years from last 5 financial years( i.e. 2018 to 2023.
8	GST No.
9	PAN Card
10	Firm's registration under Shop Act/Company Act
11	Successful work completion certificate of providing Similar services to any State / Central govt. Departments.

#### 5. Buyer Added Bid Specific Scope Of Work(SOW)

File Attachment [Click here to view the file.](#)

#### 6. 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.

#### 7. Buyer Added Bid Specific ATC

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

### Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered as part of bid:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to

exemption provided to such sellers under GeM GTC.

3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process.
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

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

This Bid is governed by the [General Terms and Conditions/सामान्य नियम और शर्तें](#), conditions stipulated in Bid and [Service Level Agreement](#) specific to this Service as provided in the Marketplace. However in case if any condition specified in General Terms and Conditions/सामान्य नियम और शर्तें is contradicted by the conditions stipulated in Service Level Agreement, then it will over ride the conditions in the General Terms and Conditions.

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।

**---Thank You/धन्यवाद---**