



## ICAR - INDIAN INSTITUTE OF RICE RESEARCH

(Formerly Directorate of Rice Research)

Rajendranagar, Hyderabad – 30: Telangana

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F.No.8-IV-01/Annual Rate Contract/Outsourcing of Services /P/2021-2022

Dated: 28<sup>th</sup> September, 2021

### NOTICE FOR ANNUAL RATE CONTRACT FOR OUTSOURCING OF SERVICES

Applications on behalf of Director, IIRR for entering into Annual Rate Contract for Outsourcing of Services, is invited in the prescribed form which can be downloaded from IIRR Website: [www.icar-iirr.org](http://www.icar-iirr.org). The firms applying for contract must attach their latest price list, catalogue, Client List and should clearly mention the percentage of discount they wish to offer on their products along with a certificate that the discount offered is the maximum which is being given by the company to any organization whether Government or Private (In the enclosed proforma). The applications along with a **non-refundable fee of Rs. 5,000/- (Rupees five thousand only)** must reach the Senior Administrative Officer, IIRR, Hyderabad, latest by **25-10-2021**. The Competent Authority has full right to accept or reject any Rate Contract proposal, without assigning any reason.

1. Last date & time for submission of sealed bids : **25-10-2021 by 03.00 PM.**
2. Time of opening of bids. : **26-10-2021 at 11:00 AM.**

The bids will be opened on the due date and time as mentioned above in the presence of bidders who wish to be present at the time of opening.

For details, please visit IIRR Website: [www.icar-iirr.org](http://www.icar-iirr.org)

  
DIRECTOR 29/9/21  
ICAR-IIRR

APPLICATION

The following information is required for entering into Annual Rate Contract for Outsourcing of Services for the year 2021-2022

1. Name & full address of the applicant :  
(in Block letters)
2. Services for which Rate Contract :  
needed

S.No.	Services	Samples
	<b>Metabolomics</b>	
1	Gas Chromatography Mass Spectrometry GC-MS	1
2	Liquid Chromatography - Mass Spectrometry (LC-MS) LC-MS(Q-TOF)	1
3	Nuclear magnetic resonance spectroscopy NMR	1
4	MS Mass Spectrometry	1
5	High Liquid Performance Chromatography HPLC-UV/FD	1
	<b>Proteomics</b>	
6	Matrix-assisted laser desorption/ionization/ time- of- flight analyser MALDI-TOF	1
7	Iso-Electric Focusing (IEF)	1
8	Two-Dimensional Gel Electrophoresis (2DE)	1
9	MALDI-MS	1
10	Reverse-Phase Liquid Chromatography RP-HPLC	1
11	Fast Protein Liquid Chromatography (FPLC)	1
12	Circular Dichroism (CD) Spectroscopy	1
13	Surface Plasmon Resonance (SPR) Technology	1
14	Electrospray Ionisation with Tandem Mass Spectrometry (ES-MS/MS)	1
15	SDS-PAGE and isolation, identification	1
16	Nano Liquid Chromatography with Tandem Mass Spectrometry Detection (LC-MS/MS)	1
	<b>Flow cytometry</b>	
17	Genome size estimation / ploidy level detection	1
18	Fluorescence in situ hybridization FISH	1
19	Immuno phenotyping	1
	<b>Microscopy/imager</b>	
20	Scanning electron microscope	1

21	Transmission electron microscope	1
22	Anatomical assays/ detection	1
23	Confocal microscopy	1
24	Nanoparticle/nanomaterial electron microscopy	1
25	Immunolectron microscopy	1
	<b>Ionomics</b>	
26	X-Ray Fluorescence (XRF)	1
27	Inductively Coupled Plasma Mass Spectrometry (ICP-MS)	1
	<b>Antibody /specific molecule synthesis</b>	
28	Antibody development (Monoclonal, conjugated IgG antibody for the given locus id, Information of the fluorescent label or enzyme with substrate information, to be able to use on PAGE or SDS-PAGE or both, minimum quantity and concentration must be specified)	
	<b>Tagging</b>	
29	Histidine tagging of microbes	
30	Green fluorescent protein/other dyes tagging of microbes	
	<b>Elemental analysis (rate to be quoted per element)</b>	
31	Estimation of elements in soil	1
32	Estimation of elements in plants	1
33	Estimation of elements in microbes	1
34	Estimation of elements in any given tissue/s	1
35	Water quality analysis	1
36	Greenhouse gases analysis	1
37	Estimation of volatile organic compounds	1
38	Isotopes labelling systems - Isotope studies/ carbon and nitrogen etc.	1
39	Pesticide (herbicide, fungicide, insecticides etc.) residue analysis	1
40	MIDI Sherlock ® MICROBIAL IDENTIFICATION SYSTEM	

#### Specifications for sequencing services:

S. No	Description of work item	Samples
1	Sanger sequencing of plasmid/ clones/ PCR product/ amplicon depending on base pairs (bp) 1) up to 800 bp 2) > 800 bp – 1500 bp 3) > 1500 bp – 3000 bp	1
2	High-Resolution Automated Electrophoresis of DNA,	1



	RNA, and Protein samples	
3	Genotyping-by-sequencing GBS 1)per sample along with specific data output 2)per 96 plate along with specific data output	1
4	Microarray Platforms: Agilent/ Affymetrix Chips: Rice Genome Array	1
5	Microarray specialized gene expression microarrays, exon microarrays, Rice Gene Expression Microarrays, Custom microarray	1
6	Exon sequencing , Q30 data	1
7	Customized chip-based rice arrays/ RICA 1K, 7K etc.	1
8	Targeted sequencing/ amplicon sequencing	1
9	NovaSeq 6000 (2x150b) at least 10 GB, Q30 data	1
10	Miseq (2x150bp), at least 10 GB with Q30 data	1
11	Hiseq 2500 (2x100bp), at least 20GB,Q30 data	1
12	Hiseq 3000(2x150bp) 40GB, Q30 data	1
13	Hiseq 3000(2x100bp) 40GB, Q30 data	1
14	Hiseq 4000(2x100bp) 20GB, Q30 data	1
15	Hiseq 4000(2x150bp) 20GB, Q30 data	1
16	SMRT of PacBio RS II, 500MB data, 5-8 Kb read length	1
17	SMRT of PacBio Sequel Systems, read lengths>10Kb and up to 8GB data	1
18	Oxford nanopore, up to 200Mb data	1
19	Small RNA sequencing, 1x50bp, at least 25 million reads, Q30 values	1
20	Transcriptome sequencing, 2x100bp, at least 30 million reads	1
21	Transcriptome sequencing,2x150bp, at least 30 million reads	1
22	Iso Seq library prep and sequencing, at least 4GB data	1
23	Degradome sequencing	1
24	Restriction-site Associated DNA - RAD sequencing, at least 2GB data	1
25	Genotyping cost of samples for 5000-60000 SNPs, 96 samples	1
26	Genotyping cost of sample for 5000-60000 SNPs, 192 samples	1
27	Genotyping cost of sample for 5000-60000 SNPs, 384 samples	1
28	Complete transcriptome analysis including assembly ( <i>de novo</i> or reference based), annotation, differential expression, comparative analysis, alternate splice variants, GO analysis, KEGG mapping, SNP	1

	identification etc.	
29	DNA isolation/purification from cultures/plant tissue samples for single pass	1
30	DNA isolation, purification, bisulphate conversion for methylome analysis, quality check	1
31	Complete genome analysis assembly (resequencing new or pathogen/ pest/ virus lacking a reference genome) ( <i>de novo/ref</i> ), annotation, comparative analysis, GO analysis, KEGG pathway mapping, target identification, secondary structure, prediction, MapMan analysis, QTL mapping, SNP variant calling, graphical representation of the data, visualization of data, any specific analysis need based (as intended by intender)	1
32	Complete small RNA analysis assembly ( <i>de novo/ref</i> ), annotation, differential expression, comparative analysis, GO analysis, KEGG pathway mapping, target identification, secondary structure, prediction, MapMan analysis, QTL mapping, SNP variant calling, any specific analysis need based as intended by intender	1
33	Complete bisulfite sequencing data analysis including scanning/distribution, GO analysis, methylated region/gene/promoter identification, plotting, graphs, comparative mapping, visualization methods, any specific analysis need based as intended by intender	1
34	Resequencing/ whole genome analysis and Mut-map analysis, SNP analysis, SNPs identification, SNP annotation 10 GB data	1
35	Resequencing, whole genome analysis and QTL-seq analysis, QTL detection, SNP analysis, SNPs identification, SNP annotation 10 GB data	1
36	Metagenomics sequencing, identification of organisms	1
37	Exome sequencing data analysis including assembly, annotation, variant analysis, any specific analysis need based as intended by intender etc.	1
38	Network analysis of next-generation sequencing data using Linux/ Python language based tools/ soft wares	1
39	Specific tissue isolation, quantification, quality control (using high quality detection platform) 1) RNA 2) DNA 3) Protein	1
40	Quantitative Real-Time PCR - qRT-PCR by SYBR green/sample	1
41	Quantitative Real-Time PCR - qRT-PCR using probes /sample	
42	Kompetitive Allele-Specific PCR - KASP assays for SNP genotyping	1

3. If the firm is under Rate Contract :  
 With other Govt. Department/Research  
 Institute, give details along with  
 Certified copies of the rate contract  
 Issued by the Department/Institute
  
4. Annual Turnover of the firm/company during  
 the last 3 financial years.(Minimum  
 turn over should be RS.50Lakhs)  
 (enclosed documents in support of  
 Claim Balance sheet/ Annual  
 Accounts copies)
 

2021-2022-----Rs.	_____
2020-2021-----Rs.	_____
2019-2020-----Rs.	_____
2018-2019-----Rs.	_____
  
5. Whether price lists inclusive of  
 Excise Duty :
  
6. Maximum discount offered on  
 manufacturers pricelist :
  
7. Validity of the effective date of price :  
 list (the current price lists effective  
 will be accepted (validity period  
 must be indicated)
  
8. Annual business volume with ICAR :  
 Institutes Rs. \_\_\_\_\_ lakhs
  
9. Whether the firm is registered :  
 Under Company Act 1956 :  
 If yes, enclose certified copies :  
 In case, the firm is registered with  
 othe Govt. Dept/ Agency, the same  
 may be stated with documentary  
 evidence.
  
10. (a) VAT Registration No. with date :  
 of validity (certificated copies to be



included)

(b) Central Sales Tax Registration :  
No.

(c) latest copy of Sales Tax Return :  
(please enclose copies of relevant  
papers)

11. (a) Income Tax, PAN No. :  
(in the of firm/company & not  
Individual)  
Latest copy of Return filed to  
Income Tax Dept.

12. State whether business/dealing with :  
You have been Currently banned by  
Any Ministry/Dept. of Central Govt.  
Or any State Govt. If so, give details

13. Please indicate name & full address :  
Of your Banker

14. Name & address of dealers, if any :  
Enclose authorization certificate.

15. Trade Discount along with :  
Certificate for not giving higher  
Discount if, any

16. Any other information vital for :  
Entering to rate contract

17. Non-Refundable fee details :

DD for Rs. 5,000/- (Rupees five thousand only) drawn in favour of "ICAR Unit-IIRR  
A/c" Hyderabad

Drawee Bank & Branch \_\_\_\_\_ dated: \_\_\_\_\_

Dated:  
Place:

Signature of the Applicant

## TERMS AND CONDITIONS

- ISO certification, proof of working with other institutes (government institutes preferably), relevant documents, publications if any where your services have been utilized need to be submitted.
- Written statement should be given mentioning that the samples and the data generated by processing the samples will be property of ICAR-IIRR and will never be shared by vendor or its associate to any other party, will not be used or shared by the company for any R&D or commercial purposes.
- The company should attach their latest price list, catalogue, etc. and clearly mention the discounts, services, data volume in bytes (GB/MB), the protocol used, in-house scripts if used etc. for specific cases in the tender. Any taxes should be mentioned separately and will not be considered in price comparison.
- The rates invited for outsourcing services will be fixed and valid for 1 year or till a fresh request for tender is invited by the institute, whichever is earlier. The rates in any case will not be increased during this period.
- Failure to submit quotation as per the technical specifications may deprive the concerned firm from further participation in the process.
- A compliance statement in the form of a table should be supplied along with the tender clearly mentioning whether the specifications mentioned in the tender are complied or not.
- Timelines needs to be strictly followed as per the guidelines and order of the institute. The institute reserves the right to cancel the order upon extraordinary delay by the company.
- Delivery of data and analysis results should be completed within time and should be as per the specifications committed in the tender and agreed by the scientist/s concerned. Timely and stage-wise information of processing should be provided to the concerned scientist throughout the project period. All original raw data and intermediate files of analysis should be provided.
- Data should be delivered through secured server and/or through hard drive as per the time committed. Confidentiality agreement needs to be signed before commencing the work and the data needs to be kept confidential.
- Results of sequencing must be supplied to the indenter in the form of fasta/ fastq/ raw reads/ intermediate files/ electropherogram files (with Phred score) along with all commonly used sequence visualization and processing softwares.
- Any leftover biological samples after the specified work should be promptly returned to ICAR-IIRR.
- The vendor/firm will maintain raw data generated by them at least for a period of 1 year. In case of need, it will be shared with IIRR.
- The concerned scientists and research scholars from IIRR should be allowed to visit the laboratory during sample preparation and data analysis.
- Upon receiving the order, the company holds the responsibility to collect the biological samples safely and in appropriate storage conditions from ICAR-IIRR. No extra charge for the same will be entertained for the same.



- Upon receiving the samples should be immediately checked for quality and the quality report should be provided before further processing. If the sample fails in the initial process due to technical issues, the samples may be collected again and processed with no extra charge.
- In the event of any dispute, the legal matter shall be subjected to the jurisdiction of Hyderabad Court only.
- All the rates and amount shall be quoted in whole denomination of the Indian Rupee (INR).
- An EMD of Rs. 5000/- shall be submitted along with the tender documents for SEQUENCING, GENOTYPING, PROTEOMICS, METABOLOMICS AND RELATED SERVICES
- The Director, ICAR-IIRR holds the final discretion to cancel the order if the specifications are not met.
- Director ICAR-IIRR reserves the right to accept or reject any tender, cancel the bidding process, and reject all quotations at any time prior to the award of contract.

  
DIRECTOR 29/9/12  
ICAR-IIRR