

QUOTATION NOTICE

Micro/PS/ICMR/2019/84; dated 1.08.2019

Certified that this quotation document for the BACTERIAL WHOLE GENOME SEQUENCING OUTSOURCING has been uploaded today i.e 01.08.2019 at Dept. of Microbiology Panjab University website and will remain open till last date i.e 22.08.2019.

Quotations are invited for the BACTERIAL WHOLE GENOME SEQUENCING OUTSOURCING in the ICMR sponsored project

SPECIFICATIONS

Technical Specification: NO. of samples		50 Samples Quote must be in Rupees per sample basis
Whole-genome Sequencing		
1	Sequencing Techniques	Illumina Hi Seq2500/nextSeq 500 Platform
2	Sequencing methods	Whole genome re-sequencing (paired-end) starting With Sequencing library preparation, high through put sequencing followed by Reference mapping. Bacterial Genome Size: 4MB Short Insert Library preparation & 2*10 PE
3	Sequencing quality	Q30 or higher quality reads
4	Sequencing coverage	Minimum 100X
5	Genome coverage	100% per sample
6	Data	Both raw and processed data to be provided. Data Delivery in FASTQ
7	Data analysis	Not Required. Quote should be for sequencing only
8	Quality control checks and filtration	<ol style="list-style-type: none">1. Unusual base composition (expected approx. 25% for each base A,T,C and G)2. Minimum Filtration Criteria (Quality should be more that the criteria provided , anything lesser should be removed)<ol style="list-style-type: none">a) Reads with quality Score (Q) less than 30b) Reads with Unidentified base('Ns') more than 20%c) Reads with PCR amplification bias and adapter sequence should be removed.d) Poly-A/T tails should be trimmed.

Sample Quality Control:

- NGS grade high quality DNA should be isolated from the supplied sample
- The Qualification and Quantification of gDNA should be carried out by denatured agarose gel electrophoresis and Nano Drop/Qubit Fluorimeter analysis.
- DIN value estimation will be carried out
- We will provide pure cultures , you have to perform 16S rDNA sequencing first to authenticate the culture identity first

Tender Validity: The price per sample should be valid for period of two years

Laboratory Setup: No outsourcing is permitted. The laboratory should be functional with in India.

List/Details of other Government academic institutions for which sequencing has been done must be provided.

Accreditation Lab should be DSIR/ ISO9001 / BSIR Certified.

Full compliance with GLP regulatory requirements (OECD,EMA,US-FDA,US-EPA)

Terms and Conditions

1. Quotations should be sent with 2% EMD by **DD made in the name of Registrar, Panjab University Chandigarh**, returnable at the time of installation.
2. **Technical Quote and price Quote and EMD should each be in separate three sealed envelopes.**
Put all 3 envelopes in one big envelop and seal . Send quotations by registered post only

Quotations should reach the undersigned latest by Aug 22 , 2019

-Sd/-

Prof. Prince Sharma

PI, ICMR Project

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