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DEPARTMENT OF MICROBIOLOGY

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Khem Raj

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QUOTATION NOTICE

DHR/KR/321/2022/13; Dated: 16th November 2022

Certified that this quotation document for the WHOLE METAGENOME SEQUENCING OUTSOURCING has been uploaded today i.e 16th November 2022 at Dept. of Microbiology, Panjab University, Chandigarh website and will remain open till the last date i.e. 7th December 2022

Quotations are invited for the WHOLE METAGENOME SEQUENCING OUTSOURCING of 32 samples in the DHR-sponsored project

Subject: Call for a quotation for the WHOLE METAGENOME SEQUENCING OUTSOURCING in the DHR-sponsored project

Dear Sir / Madam

Please send your quotation by registered post/courier for 32 sample's WHOLE METAGENOME SEQUENCING to Mr Khem Raj's lab no 321 in the Department of Microbiology, Panjab University, Chandigarh. While submitting the quotations please take into consideration the following points.

LAST DATE AND TIME FOR RECEIPT OF QUOTATION 7th December 2022 till 4:00 PM

DATE AND TIME OF OPENING OF QUOTATION 8th December 2022 at 11:00 AM

The quotation should be submitted in three separate bids in separate envelopes i.e., Technical bid, Financial bid (price bid) and EMD. A technical bid should contain all the technical details of the product, literature/catalogue/quality certificates/customer list, supply terms and conditions etc., along with an authority letter from the manufacturer in a sealed envelope marked as a Technical bid.

Tender Specification for Whole metagenome Sequencing:-

Technical Specification

Sample Specification

1. The samples will be sent as metagenomic DNA.
2. Each sample should be sequenced with 2 x150 bp paired-end reads with sequencing depth to deliver at least 5GB of data.

Sample Transfer Condition & Requirements:

1. Sample metagenomic DNA is to be picked up from Lab No 321, Department of Microbiology, PU, Chandigarh as and when required (irrespective of batch size)
2. Sample to be transported at 2-8 degrees centigrade temperature
3. DNA QC using Nanodrop 260/280 with OD, 1.8/2.0 with Qubit QC report with NGS Grade DNA.
4. The yield of metagenomic DNA (in microgram/ml) is to be documented and intimated individually for every sample.
5. The DNA is to be split into 2 parts: i.e. 3-4 ug (or as required for processing; amount to be documented and intimated individually for every sample) to be retained by the lab for further processing and the Remaining sample to be returned to the office of the PI [sample to be preserved at 2-8 degree Centigrade], latest within 15 days of sample collection
6. Sample DNA QC report should be submitted within 5 working days after receiving the samples

Sample' Whole Metagenome Sequencing Requirments:

1. Whole metagenome sequencing.
2. Deep sequencing of the samples using an appropriate platform for complete metagenome analysis for microbial diversity (alpha & beta), abundance & functional prediction using optimized and latest pipelines.
3. Metagenome analysis with suitable server for both assembled and unassembled data and validation of unassembled microbes.
4. Metagenomic sequences should be annotated using an evidence-based annotation approach for all sequences against protein databases.

5. Genes prediction should be tabulated and classified into functional categories from individual genes to cellular processes.
6. Relative abundance for each gene should be calculated.
7. Functional analysis of bacteria and fungal cells along with identification of pathways.

Terms and Conditions

1. Financial bid (Price bid) should contain the information about the prices and the applicable taxes both in words and figures in sealed envelopes marked as “Financial Bid”
2. Please quote F.O.R. destination at the Department of Microbiology, Panjab University, Chandigarh only in INR.
3. A demand draft shall be deposited as EMD in favour of Dr Khem Raj, which is 2% amount of the bid price quoted or the estimated cost
4. The price should include all the charges, GST and other taxes and also be mentioned separately
5. The vendor should provide a facility certificate to testify the possession of an in-house Hiseq X explicitly in the name of the Company. The complete scope of work should be done in India only.
6. The vendor should have demonstrated scientific capability for the successful completion of undertaken genomic projects, as documented by the vendor having research publications in peer-reviewed journals for at least genomic study projects. An appropriate web link to support this claim should accompany the proposal.
7. The vendor should specify the government service tax in the financial bid.
8. Acknowledged recognition for the vendor’s repute as demonstrated by its participation in any Multi-nation and Multi-ethnic genomics study project would be preferred.
9. The Technical bid submitted should clearly reflect the technical details, a generalised overview of the technical details shall be subject to rejection