



मात्स्यिकी महाविद्यालय  
COLLEGE OF FISHERIES

केन्द्रीय कृषि विश्वविद्यालय / CENTRAL AGRICULTURAL UNIVERSITY

लेम्बुछेड़ा, त्रिपुरा (पश्चिम) -799210 / Lembucherra, Tripura (West)

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No. CAU-CF/19/12/DBT-Bio-CARe/2014-FGR/3005

14 /12/2016

Name of the Firms are on the overleaf.

**Sub: - Limited Tender.**

Sir,

The College needs custom service for Next generation sequencing (NGS) as per the given specification under the DBT-Bio-CARe project. You are, therefore invited to submit the rate quotation to the Dean, College of Fisheries, Lembucherra, Tripura (W) on or before 31<sup>st</sup> Dec 2016.

Sl. No.	Service	Specification(from sample to report)	*Qty.
1.	RNAseq on Illumina NextSeq500 platform	<p><b>RNAseq:</b> Isolation of NGS grade total RNA isolation from provided fish tissue, QC using denaturing Agarose gel electrophoresis, Nanodrop ,Qubit flurometer and RIN estimation, Preparation of indexed mRNA enriched strand specific library from total RNA, NextSeq sequencing on Illumina Next Seq 500 Platform with 2x150 bases pair end 60-80 Million total reads (~ 4GB data) per sample. QC reports of 5 runs showing Q30 more than 85% must be provided.</p> <p><b>Bioinformatic analyses:</b> Complete Bioinfo support till the publication of manuscript. Both de-novo and reference based assembly of the data set is required.</p> <p><b>For de-novo assembly:</b> Quality filtration of reads, Denovo assembly generating transcript/unigene, summary statistics, CDS prediction, functional annotation using NCBI NRdb, Swiss prot, COG, KEGG-pathway analysis, gene ontology analysis, SSR Identification, differential gene expression analysis (control vs. treatment), HeatMap, comprehensive report with publication standard methodology, images, graphs and tables.</p> <p><b>For reference based assembly:</b> Quality filtration of reads, mapping on the reference genome, alignment summary statistics, gene coverage, differential gene expression analysis based on RPKM/FPKM, functional annotation of differentially expressed genes, list of upregulated and downregulated genes, statistical significant genes, HeatMap, volcano Plot, scatter plot, pathway analysis, SNP analysis, SSR Identification, .bam file for visualization of alignment, comprehensive report with publication standard methodology, images, graphs and tables.</p>	04 samples

**TERMS & CONDITION FOR CUSTOM SERVICE**

1. Sealed quotations are invited by the undersigned on the behalf of the University from authorized Indian agents/service provider for custom NGS service for DBT Bio-CARe Project, College of Fisheries, CAU, Lembucherra, Agartala, Tripura (W) – 799210.

2. The price quoted should be the actual cost of the service in Indian currency indicating the maximum possible discount. All kinds of taxes to be mentioned separately. Separate price/specification for any prerequisite for successful completion and report generation for particular service may be quoted along with.
3. Validity of tender: Tender shall remain valid for a period of at least 1 (one) year from the last date of submission which can be extended on mutual consent and no claim/demand for price escalation during the period shall be entertained under any plea or excuse.
4. The quotation should be accompanied with an **Earnest Money Deposit @ 2%** of the quoted price by Demand Draft/Banker's Cheque drawn from any commercial banks in favour of the TPL ROHITA, COF, Lembucherra, Tripura payable at Agartala. EMD of the unsuccessful bidders to be returned at the earliest after expiry of the final bid validity and latest on or before the 30<sup>th</sup> day after the award of the contract. If the successful bidders fail to execute the supply within the stipulated time the EMD amount will be forfeited. (No interest is payable against the EMD).
5. The following certificates have to be submitted along-with the quotation:-
  - a) Copy of installation certificate of **In-house sequencing facility.**
  - b) At least one **reference of RNA Sequencing** must be provided.
  - c) Copy of registration certificate /authorized dealer.
  - d) Copy of Sales Tax Registration Certificate of the tenderer
  - e) Copy of PAN card.
6. Sample collection from College of Fisheries, Lembucherra must be done free of charge. No payment will be made for this purpose.
7. Number of samples may increase or decrease at the time of supply order.
8. **Backup services (upto data interpretation and publication)** etc. are to be specified separately, which will bear a substantial weightage in consideration of bid.
9. The undersigned reserves the right to accept or reject any tender including the lowest one without assigning any reasons thereof.
10. **Terms of Delivery:** - Data shall be delivered by the supplier at College of Fisheries, CAU, Lembucherra, Agartala, Tripura – 799210 within 45 (forty-five) days of receiving the supply order.
11. **Detail report of the generated data and publication quality tables, images must be provided by the service provider after successful completion of the project/service in external storage device. No extra payment will be made for storage device.**

The sealed cover containing the tender should be super-scribed with "Quotation for Custom NGS Service for DBT-Bio-CARe Project. All quotations are to be opened on 1<sup>st</sup> Jan 2017 at 11.00 A.M in this College. Interested bidders or any representative may present at the time of opening of quotations.

Thanking you.

Yours faithfully,

g/e   
Dean

Copy to:

1. The PS to Dean, COF, CAU, Lembucherra Tripura for information.
2. The OSD, COF, CAU, Lembucherra Tripura for information
3. Dr. Mamta Singh, PI of the project, COF, CAU, Lembucherra Tripura for information.
4. In-charge, IT cell for uploading on website.

g/e   
Dean