



ENLIGHTENMENT TO PERFECTION

University of North Bengal
Office of The Registrar
Accredited by NAAC with Grade A
Tender Notice

Sealed quotations are invited from interested vendors/suppliers for providing different scientific services to the Department of Microbiology, NBU. For specification, terms and conditions and other details, please visit www.nbu.ac.in

ADVT. No. - 386/R-2021
Date: - 18-01-2021

Sd/-
Registrar

University of North Bengal
Raja Rammohunpur, Dist - Darjeeling (W.B.)

TENDER PAPER

Sl. No.	Item	Specification	Qty.	Rate	Discount %	Discounted price	GST %	Total amount (in Rs.) [Discounted Price+GSTXQty.]
	Services	As per Annexure-B	2					

It is certified that on behalf of the organization we are quoting the above prices as per the terms and conditions laid by the University of North Bengal in Annexure-A.

Name of the company:

Signature:

Address:

ANNEXURE-A

TERMS AND CONDITIONS

- (1) **The quotation shall be made strictly as per the given format. Quotations not in requisite format are subjected to be cancelled. Quantity as given in tender should be followed.**
- (2) The services should be strictly as per specification.
- (3) Taxes will be deducted at source as per prevailing rules of Central and State Government.
- (4) Bill will be released after delivery and satisfactory performance report by the PI.
- (5) Copy of PT, Trade License, PAN and GST duly signed and stamped by the vendor shall be enclosed along with the tender.
- (6) The successful tenderer(s) shall supply the services and reports to the PI at Department of Microbiology, University of North Bengal within 90 days without fail from the date of issue of the supply order, failing which the order will be subjected to cancellation without any prior notice.
- (7) The successful tenderer(s) shall supply certificate of completion and analysis, also a NOC for using the data obtained from the experiments for publication, artwork, literature review etc. by the PI. All the rights on experimental data will be reserved by the PI by all means.
- (8) The successful tenderer(s) shall supply all the recombinant organisms, vectors, primers etc. resulted from the experiments to the PI after successful completion of the job.
- (9) **No data, artwork or any other information generated from the experiments could not be shared or supplied or duplicated without prior permission of the PI strictly.**
- (10) Tender papers maybe downloaded from NBU website (www.nbu.ac.in).
- (11) The University authority reserves the right to accept or rejects any/all quotations without assigning any reason and shall not be bound to accept the lowest quotation.
- (12) The quotation should be valid upto 31.3.2021.
- (13) The last date of submission of tender form is upto 7 (Seven) working days from the date of publication and to be opened in the Dept of Microbiology, NBU.
- (14) For any clarification regarding tender please contact with Ms. K.Lepcha (PI), Dept. of Microbiology, NBU, (Phone no: 0353-2776319)
- (15) The duly filled up tender paper is to be sent to the under noted address.

Ms. K. Lepcha (PI)
Department of Microbiology
University of North Bengal
Raja Rammohunpur, P.O. NBU
Dist: Darjeeling. PIN-734013

Sd/-

Registrar

ANNEXURE-B

List of Services

Metatranscriptome analysis

1. NGS grade High quality RNA to be isolated from the supplied sample.
2. The qualification and quantification of RNA to be carried out by denatured agarose gel electrophoresis and NanoDrop/Qubit Fluorometer analysis.
3. RNA Seq library to be prepared using NEBNext mRNA Sample Prep Kit
4. Preparation of indexed RNA library post ribodepletion from Total RNA for sequencing on Illumina Platform.
5. Library validation to be carried out using High Sensitivity D1000 Screen tape using Agilent Tape Station.
6. Sequencing to be carried out on Illumina Novaseq platforms with 2x150 for RNA v2 chemistry.
7. Generation of ~5 Gb data/sample
- 8.. Bioinformatics Deliverables:
 - Data Quality Control: filtering reads containing adapter or with low quality
 - Statistics Analysis of Data Production and Quality
 - De novo Assembly
 - Gene Functional Annotation (eggNOG/COG, KEGG, CAZy annotation)
 - rRNA& mRNA Taxonomic Analysis
 - Gene Expression Analysis
 - Differential Expression Analysis (two or more groups of samples)
 - GO Enrichment Analysis of Differentially Expressed Genes (DEGs) (two or more groups of samples)
 - KEGG Pathway Enrichment Analysis of Differentially Expressed Genes (DEGs) (two or more groups of samples)
 - Comparative Analysis between Various Samples (3 or more samples, including eggNOG/COG functional comparisons, cluster analysis and PCoA analysis)
 - Analysis for expression of Cazymes with special refrence to thermoactive and thermostable Cazymes, Expression of genes for maintaining thermostability.)

Sample Nos.: 2 (Two)