

Tender Notification

Dr. Sutanu Sarkar (Assistant Professor), Crop Research Unit, and PI, WBDSTBT-funded project is inviting price-quotation from the competent and *bonafide* vendors/ distributors/ dealers/manufacturers having registration of GST for the supply of following items to the University within **seven days** from the date of publication of this notice in the University web site as per specifications appended below (**Table 1**). Quote-price **must include GST** and should valid for 31st March 2023. **The quote price will not be considered for comparison until it includes the name of the manufacturer company of each item with its catalogue number.** University possesses valid DSIR certificate and accordingly GST to be considered. Quotation is to be submitted to the following address.

Dr. Sutanu Sarkar, PI
Crop Research Unit (Genetics and Plant Breeding),
Bidhan Chandra Krishi Viswavidyalaya,
Mohanpur, Nadia PIN 741252

Table 1: List of Item

| Sl. No. | Name of the Item | Approx. Quantity | Desired Specification | Cost with GST (Rs.) |
|---------|------------------------------------|------------------|--|---------------------|
| 1 | PCR based transcriptome sequencing | 04 (Four) | RNA isolation, RNA quality analysis of the final RNA used for sequencing in Bioanalyzer followed by transcript Sequencing & Analysis of plant samples involving the cost of total RNA libraries (coding and non-coding) preparation and sequencing at least 30GB data in Illumina Novaseq6000; 100-150bp paired end reads per sample and at least 80% of the sequenced bases should be of Q30 value. Sequenced data with FASTQ files should be uploaded on the FTP server for download and review; other file formats required are: SOFT formatted family files, MINiML formatted family files and Series Matrix Files. Comprehensive bioinformatics analysis of sequenced data should include: a. The Raw fastq files and QC report containing the read information, data size, average base quality, GC percentage, Base quality distribution. b. 5' and 3' read bias should be measured. c. Aligned reads distribution and splice junction information d. Genes and isoforms expression values e. List of genes differentially expressed globally. f. GO annotation for differentially expressed genes such as biological process, molecular function and cellular component, pathway information (KEGG & Reactome). g. Gene Set Enrichment Analysis. h. Cluster analysis and heat maps. i. Publication and training support. j) Additional Analysis as per instruction for the next six months after completion of the project. The servicing laboratory must be CAP/NABL/DSR. Free pick up of sample in dry ice from BCKV must be assured in the quotation. | |

As per decision of the 27th LTC meeting held on 07/02/2023, the tender notice is allowed to upload on the University website

6
7/2/23

Sutanu Sarkar

Dr. Sutanu Sarkar
Principal Investigator
"Development of protocol...potentiality
assessment" (Code: 12035), DST&B (GoWB)
Crop Research Unit, Directorate of Research
BCKV, Mohanpur, Nadia, WB-741252