

Department of Genetics  
University of Delhi South Campus  
New Delhi- 110021

E-Tender Notice

Date: 31-07-2018  
Ref: SDC/Gen/TS

E-tender invited from leading manufacture/authorized distributors/dealers for the **Scope of Work for Whole RNA Sequencing** at Lab 202, Dr. Tapasya Srivastava (Assistant Professor), Department of Genetics, South Campus University of Delhi. **The tender is to be submitted in two parts, viz., technical and financial bids** and should be uploaded on to the e-procurement website within 15 days of the date of advertisement.

**Technical Specifications:**

1. Complete scope of work should be provided, total RNA QC, sequencing-ready library preparation, cluster amplification, sample run on NGS sequencer, generating quality report of raw data and secondary data analysis.
2. Total RNA libraries (coding and non-coding) should be sequenced to deliver at least 60 million, 2x100bp paired end reads per sample. Up to 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.
3. 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. Aligned reads distribution and splice junction information.
  - c. Genes and isoforms expression values.
  - d. List of genes differentially expressed (In case of two or more samples exist)
  - e. GO annotation for differentially expressed genes such as biological process, molecular function and cellular component, pathway information (KEGG & Reactome). (If differential expression analysis was done). Quality testing of generated sequence reads and filtering of the reads to obtain high quality data.
4. The complete scope of work should be done by the vendor within India.
5. The vendor should provide a facility certificate to testify the possession of an in-house IlluminaHiSeq 2500/4000, explicitly in name of the Company.
6. The vendor should have demonstrated scientific capability for the successful completion of undertaken genomics projects, as documented by the vendor having research publications in peer reviewed journals for at least 5 genomics study projects. Appropriate web link to support this claim should accompany the proposal.

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7. The vendor should specify the government service tax in the financial bid.

8. Acknowledged recognition for the vendor repute as demonstrated by its participation in any multi-nation and multi-ethnic genomics study project(s) would be preferred.

Published Date 31-07-2018 (18:00 Hrs)

Bid Document Download Start Date 01-08-2018 (17:00 Hrs)

Bid Submission Start Date 02-08-2018, (10:00 Hrs)

Bid Submission End Date 11-08-2018, (14:00 Hrs)

Bid Opening Date 13-08-2018, (15:00 Hrs)

Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app>.

Bidders/Vendors are advised to follow the instructions provided in the 'Instructions for Online Bid Submission' for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app>.

The tender must be valid for acceptance for at least a period of 90 days from the date of opening of the bids. However, this may be extended for the period approved by the University (subject to approval) with consent of the bidder.

The selection of the firm for the above mentioned service will be based on lowest quoted price, evidence of expertise in the field and technical specification mentioned in the tender (Annexure II). The University reserves the right to accept or reject quotation without assigning any reason thereof.



Dr. Tapasya Srivastava

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