



VALLABHBHAI PATEL CHEST INSTITUTE

University of Delhi,
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Ref. No: VPCI/PUR/OT/GEN/25-26/13-5/18/401

Dated 13/06/2028

NOTICE INVITING TENDER

Vallabhbhai Patel Chest Institute, University of Delhi, Delhi – 110007 invites Open E-Tender under one cover containing (i) Technical Bid and (ii) BOQ of Financial Bid are invited for availing Service of **Whole transcriptome sequencing of human cell lines using illumina Novaseq 6000 with data analysis** as per details given below:-

S. No.	Description of Items	Quantity Required	
1	<p>Service of Whole transcriptome sequencing of human cell lines using illumina Novaseq 6000 with data analysis.</p> <p>Specification:-</p> <ol style="list-style-type: none"> 1. RNA integrity and Quality Check using Bio analyzer, Gel electrophoresis, nanodrop and Qubit 2. High quality data with a minimum Q30 reads 3. Minimum Data output: 16GB per sample. 4. Sequencing after mRNA enrichment with a Read Length of 2 x 150 bp 5. Bioinformatics analysis: <ul style="list-style-type: none"> • Primary data analysis including quality check, filtering, and trimming • Calculation of data statistics such as coverage, N content, and identification of poor quality reads. • Alignment statistics ensuring a minimum alignment of 80-90%. • Implementation of both reference-based and de novo assembly approaches. • Comprehensive analysis of splicing patterns and related gene functions. • Differential gene expression analysis among samples and different groups • Gene annotations and core gene set analysis. • KEGG Pathways analysis using multiple databases. • Provision of heatmaps and BAM files for each comparison. 	06	Nos

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- Training sessions for data interpretation (for the data generated).
- Submission of detailed analysis reports for each step and data submission in NCBI.

IMPORTANT DATES

Bid Document Download Start Date	13/06/2025
Bid Submission Start Date	13/06/2025
Bid Submission End Date	03/07/2025 (upto 01:00 P.M.)
Bid Opening Date (Technical + Financial)	04/07/2025 (at 02:30 P.M.)
No. of days between bid start and end date	21 days

For further details and online bid submission please visit at CPP Portal <https://eprocure.gov.in/eprocure/app>


Deputy Registrar

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