



VALLABHBHAI PATEL CHEST INSTITUTE

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VPCI/PUR/OT/GEN/25-26/8-23/78/1745

Date: 31/12/2028

NOTICE INVITING TENDER

Vallabhbhai Patel Chest Institute, University of Delhi, Delhi – 110007 invites **Open E- tender** under two bid system consisting two separate envelops containing Technical and Financial bid from manufacturer/authorized dealer(s) for **Availing Services of Fungal Whole Genome Sequencing of culture samples** through e-procurement as per details given below:-

S. No.	Description of Items	Quantity Required							
1.	<p>Availing Services of Fungal Whole Genome Sequencing of culture samples Specifications Whole Genome Sequencing with Analysis (Complete Scope of work)</p> <p><u>Technical Specifications as per details given below:-</u></p> <ol style="list-style-type: none">DNA isolation from fungal culture from 50 samplesTotal DNA QCCluster amplification.Sample run on NGS sequencer (illumine Novaseq6000)Total DNA libraries should be sequenced to deliver at least 100 million reads (15GB)/sample Lib Type, both PE150 and Mate paired 2KBUp to 90% 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.Data Analysis of Whole genome sequencing<table><tr><td>✓ High quality reads (HQ data)</td></tr><tr><td>✓ Mapping of HQ reads on the reference genome</td></tr><tr><td>✓ Consensus sequence from mapping</td></tr><tr><td>✓ BAM file for mapping result visualization</td></tr><tr><td>✓ Variant calling</td></tr><tr><td>✓ Variant annotation</td></tr><tr><td>✓ SNP Calling annotations and statics</td></tr></table>The vendor should provide a facility certificate to testify the possession of an in house illumine Novaseq6000 Platform explicitly in name of the Company (Novaseq Experience of minimum four years and more than 100 S4 flow cells running experience (it should not be in lease agreement or tie up/collaborative mode).The complete scope of work should be done by the vendor within india.The laboratory should be CAP/NABL/DSR accreditationOnsite demonstration facility	✓ High quality reads (HQ data)	✓ Mapping of HQ reads on the reference genome	✓ Consensus sequence from mapping	✓ BAM file for mapping result visualization	✓ Variant calling	✓ Variant annotation	✓ SNP Calling annotations and statics	50
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IMPORTANT DATES:-

Bid Document Download Start Date	31/12/2028
Bid Submission Start Date	31/12/2028
Bid Submission End Date	20/01/2026 (upto 01:00 P.M.)
Bid Opening Date (Technical)	21/01/2026 (at 02:30 P.M.)
Bid Opening Date (Financial)	Will be decided after technical evaluation of bids
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

