



# VALLABHBHAI PATEL CHEST INSTITUTE

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Ref. No: VPCI/PUR/OT/ICMR/24-25/8-7/29/583

Dated 03/07/2024

## NOTICE INVITING TENDER

The Deputy Registrar, 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 Genome Sequencing and Bio informatics analysis of fungal isolates on illumina Novaseq 6000 platform. Lib : PE150 output is 10gb/samples as per details given below:-

S. No.	Description of Items	Quantity Required
1	<p><b>Service of Whole Genome Sequencing and Bio informatics analysis of fungal isolates on illumina Novaseq 6000 platform. Lib : PE150 output is 10gb/samples</b></p> <p><b>Specification:-</b></p> <ol style="list-style-type: none"><li>1. DNA Isolation from fungal Culture</li><li>2. Total DNA QC</li><li>3. Sequencing-ready library preparation.</li><li>4. Cluster amplification</li><li>5. Sample run on NGS sequencer (Illumina Novaseq6000)</li><li>6. <b>Total DNA libraries should be sequenced to deliver at least 10GB/sample.</b></li><li>7. <b>150bp paired end reads per sample.</b></li><li>8. Upto 90% of the sequenced bases should be of Q30 value.</li><li>9. Sequenced data with FASTQ files should be uploaded on the FTP Server for download and review.</li><li>10. <b>Data analysis of Whole Genome Sequencing</b><ul style="list-style-type: none"><li>✓ High quality reads (HQ data)</li><li>✓ Mapping of HQ reads on the reference genome</li><li>✓ Consensus sequence from mapping</li><li>✓ BAM file for mapping result visualization</li><li>✓ Variant annotation</li><li>✓ Variant calling</li><li>✓ SNP Calling annotations and statics</li><li>✓ Comprehensive compiled report and data</li></ul></li><li>11. <b>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 for minimum four years and more than 100 S4 flow cells running experience (it should not be in lease agreement for tie up/collaborative mode).</b></li><li>12. The complete scope of work should be done by the vendor within India.</li><li>13. The laboratory should be <b>CAP/NABL/DSR accreditation.</b></li><li>14. Onsite demonstration facility</li></ol>	50 Nos

### **IMPORTANT DATES**

Bid Document Download Start Date	03/07/2024
Bid Submission Start Date	03/07/2024
Bid Submission End Date	17/07/2024 (upto 01:00 P.M.)
Bid Opening Date ((Technical + Financial)	18/07/2024 (at 02:30 P.M.)

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

Deputy Registrar