



VICTORIA INSTITUTION (COLLEGE)

78-B, ACHARYA PRAFULLA CHANDRA ROAD, KOLKATA-700 009

Phone : 91-33-2360 0046 ■ Website : www.victoriacollege.co.in

Ref. No. 257/VIC/QUOTATION/26

Date 17/09/26

NOTICE

Sealed quotations are invited from the companies to provide sequencing service as per following specifications for the ANRF-ARG project vide sanction order no. ANRF/ARG/2025/002962/LS dated 30th March 2026. Interested companies are hereby requested to submit their quotations (**price including GST**) along with copies of GST registration certificate, PAN card and valid trade license at Principal's office within 10 days from the date of publication of this notice.

SL. No.	DESCRIPTION	QUANTITY
1.	Hybrid whole-genome sequencing of plant genomic DNA using Oxford Nanopore and Illumina NovaSeq 6000 platforms (Minimum 10 GB clean sequence data from Oxford Nanopore & minimum 20 GB clean sequence data from Illumina NovaSeq 6000) A. Source Sample - Plant genomic DNA samples will be provided for sequencing. - Sample pickup, including dry-ice transportation, shall be arranged by the service provider from Victoria Institution (College), Kolkata. - The bidder/service provider shall be responsible for maintaining appropriate sample integrity and temperature conditions during transportation. B. DNA Quality Assessment DNA quality and quantity shall be assessed prior to library preparation using Qubit Fluorometer and Agarose gel electrophoresis. The service provider shall provide the corresponding DNA QC results as part of the QC report. C. Library Preparation <i>Oxford Nanopore</i> - Native barcoded library preparation shall be performed for sequencing on the Oxford Nanopore platform. <i>Illumina</i> - Paired-end (PE) 150 bp library preparation shall be performed for sequencing on the Illumina NovaSeq 6000 platform. D. Sequencing <i>Oxford Nanopore</i> - Sequencing shall be performed on an Oxford Nanopore sequencing platform.	Per sample

- A minimum of 10 GB of clean sequence data per sample shall be generated.

2. Illumina NovaSeq 6000

- Sequencing shall be performed on an Illumina NovaSeq 6000 using paired-end 150 bp (2 × 150 bp) sequencing.
- A minimum of 20 GB of clean sequence data with Q30 base quality shall be generated per sample.

E. Deliverables

For each sample, the service provider shall submit:

1. Raw sequencing reads in FASTQ format.
 2. Processed/clean reads after removal of adapters and low-quality/poor-quality bases.
 3. Primary sequencing and QA/QC statistics report, including, as applicable:
 - Total raw reads/bases generated.
 - Total clean reads/bases retained.
 - Read length statistics.
 - Quality score distribution.
 - Q20/Q30 statistics for Illumina data.
 - Adapter and low-quality read/base removal statistics.
 - Oxford Nanopore read-quality statistics.
 - Any other relevant sequencing QC metrics.
- The complete scope of work should be done by a CAP/NABL/DSR accredited laboratory within India.
 - The service provider must have an Office / Service Centre in Kolkata, West Bengal



PI

**Principal Investigator
ANRF-ARG Project
Victoria Institution (College)**



Bursar

**Bursar
VICTORIA INSTITUTION
(College)**



Principal

**Principal
VICTORIA INSTITUTION
(College)**