



WHO COLLABORATING CENTRE FOR RESEARCH AND TRAINING ON DIARRHOEAL DISEASES

Ref.: NIRBI/Stores/PAN India Dengue Project/2025-26

Date : 02.01.2026

Tender/Quotation Enquiry

Sealed quotations are invited on behalf of Director, ICMR-NIRBI, Kolkata for Hybrid Whole Genome Sequencing. Interested vendors are requested to quote your lowest competitive rates for the following works alongwith GST in the company letter head as per give format:

Sl. No.	Specification	Qty.
1	<p>A. Hybrid Whole Genome sequencing with analysis from Blood samples (1 GB data from Nanopore & 1 GB data from Hiseq)</p> <p>B. DNA quality check will be done using Qubit Fluoro meter.</p> <p>2. DNA quality check will be done using Agarose Gel Electrophoresis.</p> <p>C. Library preparation:</p> <ol style="list-style-type: none"> 1. Native barcoded library preparation will be done for Oxford Nanopore platform. 2. Tagmentation based Library preparation will be done for Hiseq 6000 platform. <p>D. Sequencing:</p> <ol style="list-style-type: none"> 1. Sequencing will be performed on Oxford Nanopore PromethION P24 platform to generate 200x coverage per sample. (1 GB data per samples) 2. Sequencing will be performed on Hiseq 6000 platform using 150x2 chemistry to generate 200x coverage per sample with Q30+ reads (1GB data per samples) <p>E. Deliverables:</p> <p>Pre-processing (Fastp / Guppy): Quality-filtered Illumina FASTQ files, base called Nanopore FASTQ files, and quality reports (HTML, JSON).</p> <p>Read Alignment (BWA-MEM / Minimap2): SAM alignment files and alignment summaries for Illumina and Nanopore reads.</p> <p>Processing SAM/BAM (Samblaster): Sorted duplicate-marked BAM files, BAM index files, and duplication metrics.</p> <p>Genome Coverage (Mosdepth): Coverage summary reports, per-base BED files, and depth plots.</p> <p>Variant Calling (LoFreq): Combined variant VCF files and log reports.</p> <p>Annotation (SnpEff): Annotated VCF files, SnpEff summary HTML reports, and gene annotation tables.</p> <p>F. The complete scope of work should be done by the company within India.</p> <p>1. The laboratory should be CAP/NABL/DSR accreditation.</p> <p>2. Dry ice Pick up from ICMR-NIRBI 5 to 10 times</p> <p>G. Vender should be submitted 5 yrs experience certificate with proper documents.</p>	140 samples

Terms & Conditions:

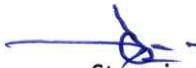
1. The Director, ICMR-NIRBI reserves the right to accept or reject the quotations without assigning any reasons thereof.

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2. Any decision taken by the Director, ICMR-NIRBI at any point of time in connection with this process shall be final and conclusive and no claim or dispute from any query in this regard shall be entertained.
3. No advance payment will be made. The payment will be made on rendering the services availed and satisfactory report of the end user(s).
4. No extra payment on account of transportation, handling, loading, unloading, labour charges etc. will be made. However, GST as per rules will be permissible.
5. While submitting the quotations the rate against each work and net amount to be paid, GST etc. should be specified separately.
6. ICMR-NIRBI, Kolkata does not bind itself to accept the lowest quote and reserves the right to accept the same in part or full.
7. Please ensure that the supply is as per the specification.

Sealed quotations super scribed as "**Hybrid Whole Genome Sequencing**" must be dropped in tender box proved at ICMR-NIRBI-I Building by **08.01.2026 till 5.00 PM**. The last date may be extended subject to requirement.


Store-in-Charge

Store-1
भंडार प्रभारी / Store Incharge
आई.सी.एम.आर. राष्ट्रीय जीवाणु संक्रमण अनुसंधान संस्थान
ICMR-National Institute for Research in Bacterial Infections
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