KERALA INSTITUTE OF SCIENCE TECHNOLOGY AND INNOVATION
(A Centre of Excellence of Kerala State Higher Education Council)
Mahatma Gandhi University, Kottayam

Dr. Radhakrishnan EK
Co-ordinator

KISTI-COE/MGU /S-Tender/01/2025 Dated: 20.03.2025

SHORT TENDER NOTICE

Sealed competitive quotations are invited for the supply of the following item for the Centre of Excellence - Kerala Institute of Science Technology and Innovation, Mahatma Gandhi University, Kottayam. The quotation should clearly mention the make, specification, and warranty of the item as well as the terms and conditions. The amount quoted should be inclusive of all taxes, excise duty as well as loading, unloading, and installation charges if any. The details of the required item are as mentioned below:

Item: Oxford Nanopore MinION Mk1B Sequencer - 1 nos.

Detailed Technical Specification Requirements for MinION Mk1B Sequencer:

1. Sequencing Chemistry should be based on the advanced Nanopore sensing technology and involve direct molecular analysis of DNA/RNA.
2. The sequencer should be portable and ideal for on-field applications.
3. It should have the capability to generate ultra-long reads (>4 Mb) with an average read length of 15Kb and above.
4. High-throughput sequencer that generates data output of up to 30 Gb/run with data streamed in real time for immediate analysis.
5. Should be compatible with both DNA/RNA-based sequencing applications such as whole genome sequencing, targeted sequencing, metagenomics (16S and whole genome metagenome), RNA sequencing, and methylation, with the additional benefit of direct RNA sequencing and methylation data from whole genome sequence data without requiring bisulfite conversion or additional library preparation protocol.
6. Simple and rapid workflows, PCR-free library preparation protocols, and multiplexing of up to 96 samples in a single flow cell using barcodes with the option of reusing the flow cell.
7. The sequencer system should generate standard output formats: FAST5 and/or FASTQ, which are compatible with all downstream analysis software.
8. Flexible run-time from 1-72 hours.
9. Compatible with 6.3-19.6 VDC power supply with a maximum rated current of 10 A and a maximum rated power of 60 W.
10. The sequencer should include a warranty and software license for 5 years.

11. The software should support NGS data analysis without command-line scripting for DNA and RNA data analysis. It should provide base calling, variant calling, gene prediction, exome analysis, local BLAST, and various other analytical tools.

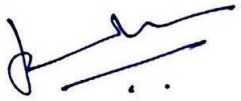
12. Products must be brand new and unused. Vendor should provide certification of authenticity for all components.

TERMS & CONDITIONS

1. Tender form can be downloaded from the official website of Mahatma Gandhi University (https://www.mgu.ac.in/uploads/2020/08/Tender-Form.pdf?x99264), and the Tender form rate- 0.2% of the quoted amount (Lowest amount = Rs. 400/- +GST, Maximum amount = Rs.1500/- +GST) can be paid online in the University online payment system. The challan must be attached along with the Tender.
2. The Tender Amount should be inclusive of all taxes and the tenure of the Tender should be three months.
3. A preliminary agreement on a document paper of Rs. 200/- must be submitted along with the tender.
4. Earnest Money Deposit (EMD) calculated at 1% of the Purchase Assessment Cost (PAC) should be paid via Demand Draft in favour of The Co-ordinator, Kerala Institute of Science Technology and Innovation.
5. The successful bidder must submit a signed agreement and a security deposit of 5% of the PAC.
6. Late tenders will be rejected. The Registrar reserves the right to accept or reject any tender without providing a reason. If the tender opening day is a holiday, it will be opened on the next working day.
7. If the minimum number of tenders is not received, the last date will be extended by 15 days.
8. If additional tenders are received during the extension period, earlier tenders will also be considered.
9. Final payment will be released only after successful installation and a satisfactory report from the Technical Officer, School of Biosciences.

   The sealed covers containing Tender details are to be superscribed "Tender for Oxford Nanopore MinION Mk1B Sequencer" and sent to The Co-ordinator, Centre of Excellence - Kerala Institute of Science Technology and Innovation (KISTI), Room no 706, 6th Floor, Convergence Academia Complex, Mahatma Gandhi University, P.D Hills P.O, Kottayam- 686560. Submit two separate sealed covers for the two-bid tender, with one cover containing the financial bid and the other containing the technical bid. Last Date of Receiving Tenders: 27.03.2025, Time: 3.00 pm Opening date of Tenders: 28.03.2025, Time: 10 am

For more details, contact Centre of Excellence - Kerala Institute of Science Technology and Innovation (KISTI), Mahatma Gandhi University, P.D Hills P.O, Kottayam, during working hours.



Co-ordinator, CoE-KISTI