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NIV

NATIONAL INSTITUTE
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आईसीएमआर - राष्ट्रीयविषाणुविज्ञानसंस्थान
भारतीयआयुर्विज्ञानअनुसंधानपरिषद
स्वास्थ्यअनुसंधानविभाग
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NIV/KU/33/Purchase/I- 799

Date: 05/03/2024

QUOTATION ENQUIRY

Sealed quotation are invited on behalf of the OIC, ICMR-National Institute of Virology, Kerala Unit for Nanopore MinION Mk 1B with all Accessories interested vendors should submit their quotation along with their company/personal profile and details given below:-

SI No	Equipment	Qty Required	Remarks
01	Nanopore MinION Mk 1B with all Accessories	01	Specification Copy attached

The quotation super scribed as "Quotation for Nanopore MinION Mk 1B with all Accessories" addressed to the OIC, ICMR-National Institute of Virology, Makki Junction, Kuravanthodu, Alappuzha, Kerala PIN-688005, should be sent through Speed post/Courier latest by: 25/03/2024.

OTHER TERMS AND CONDITIONS

- This is an enquiry and must not be treated as an order.
- Proper Quotation of Firm Letter Head.
- The NIV Kerala Unit reserves the right to accept or reject any or all applicants without assigning any reason.
- Any decision taken by the Officer-In-Charge, NIV Kerala Unit at any point of time in connection with this process shall be final and conclusive and no claim or dispute from any quarter in that regard shall be entertained.
- No advance payment will be made. The payment will be made or receipt of services availed and satisfactory report of the end users.
- NIV, Kerala Unit will not be responsible for any delay for receipt of quotations.
- Requirement of Wall Cabinet will either increases or decrease final requirement will be mentioned in the P.O order issued to the firm.


Officer-In-Charge
NIV Kerala Unit

Oxford Nanopore next generation sequencing device and accessories specifications:

1. **Device Name:** MinION Mk1B

2. **Host Computer Specifications :**

MacBook Pro (16-inch) Technical Specifications :

Chip : Apple M2 Pro Chip

12 core CPU with 8 performance cores and 4 efficiency cores

19-core GPU

16-Core Neural Engine

200GB/S memory bandwidth

Media Engine

Hardware-accelerated H.264, HEVC , ProRes, and ProRes Raw

Video Decode Engine, Video Encode Engine

ProRes Decode Engine, and Encode Engine

Configuration to M2 Max with 12-core CPU and 30-core GPU or M2 Max with 12-core CPU and 38-core GPU

Display : 16 inch Liquid Retina XDR display

Memory : Apple M2 Pro Chip

16 GB unified memory ,configurable to 32 GB(M2 pro or M2 Max),64 GB(M2 Max),or 96 GB (M2 Max with 38-core GPU)

.Storage : Apple M2 Pro Chip

1TB SSD Configurable to : 512GB,2TB,4TB, or 8 TB

Charging and Expansion :

SDXC Card Slot,HDMI Port,3.5mm headphone jack, Magsafe 3 port,Three thunderbolt 4 (USB-C) ports with support for : Charging ,Display port,Thunderbolt 4 (upto 40GB/s) ,USB 4(upto 40 GB/S)

Operating system : macOS

Connectivity : Wireless Wifi 6E,Bluetooth 5.3

Others accessories :Supplier should provide USB Type-A to USB Type-C adapter (Female to Male 5 Gbps)

3. The company should supply the sequencer device along with:

- Starter kit containing flow cells and DNA and RNA sequencing kit including DNA/ RNA QC device

- Reagents to support both the DNA (Minimum 96 reactions) and RNA(Minimum 96 reactions) sequencing kits
 - Reagents for Library preparation (minimum 100 reactions)
 - Magnetic beads solution required for library preparation
 - A suitable bioinformatics software for advanced genetic sequence analysis
 - The sequencer and the accessories should be compatible for DNA/ RNA based sequencing including whole genome sequencing, targeted sequencing, RNA sequencing (including direct RNA sequencing), and/or metagenomics (Real-time, unbiased analysis of mixed samples) and viral epigenetics.
4. The company should be authorized for distribution of Nanopore sequencers and have a proven record of having successfully installed such systems.
 5. Demonstration and installation should be completed onsite by the supplier successfully. Furthermore minimum 3 times Demonstrations & 3 times Hands on Training with samples on site should be arranged by supplier after installation of the instruments.
 6. Warranty required for all supplied equipments : Three (3) years



Signature of Group Leader/Section I/C