

BBQR- Long-read Next Generation Sequencing Kits for Whole genome sequencing of *Mycobacterium tuberculosis* and non-tuberculous mycobacteria.

1. The sequencing kits should be compatible on Oxford Nanopore technology.
2. The vendor must provide the following kits

Sl. No	Description	Unit	Remarks
1	Flow cells (R 10.4.1)	01	Should be Compatible with Oxford Nanopore Technology
2	NEBNext Ultra II End Repair/dA-Tailing Module.	01	Essential for DNA end repair and dA-tailing
3	Native Barcoding Kit 24 V14 (SQK-NBD 114.24)	01	For multiplexing samples with unique barcodes
4	Flow cell priming kit	01	Required for preparing flow cells
5	Flow cell wash kit	01	For reconditioning flow cells between sequencing runs
7	NEBNext Companion Module for Ligation Sequencing	01	Required for DNA ligation during library preparation
8	Superscript III Reverse transcriptase	01	For reverse transcription, if required for RNA libraries

3. The flow cells should be reusable
4. The above kits should be capable to run multiple samples on single flow cell (Upto 24 samples).
5. The kit should be compatible with commonly available DNA extraction kits.
6. Vendor must also provide Qubit dsDNA HS Assay kit for (detecting as little as 10 pg/ μ l of DNA for DNA quantification).
7. Vendor must provide product brochure of the quoted kits for technical evaluation purpose.
8. Vendor needs to submit a compliance sheet mentioning that the offered product meets all the specifications asked for
9. Vendor should be an Authorized dealer and provide the authorization letter from the OEM
10. The delivery shall be considered complete only when all the items as per the PO are delivered.
11. The vendor must provide prompt service backup.
12. Should at least have 5/6 months shelf life at the time of delivery.

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