Central University of Rajasthan
NH-8 Bandarsindri, Kishangarh, Distt-Ajmer-305817
Tel: 01463 – 238755 Website www.curaj.ac.in

CURAJ/Purchase/Tender/2024/1207 **Date-27-06-2024**

CORRIGENDUM

This is with reference to the tender notice **no. CURAJ/Purchase/Tender/2024/799 dated 03-06-2024 for the Supply, and Installation of "Laboratory Equipment" DNA Genome Sequencing Facility,** at Central University of Rajasthan.

The Technical Specifications mentioned in the earlier tender document has been revised as mentioned below

Sl. No.	Query	Clarification
1.	A four Capillary – Automated Sequencer	**A Eight Capillary – Automated Sequencer**
2.	System should occupy minimal lab footprint and should be offered as a single, integrated instrument capable of performing template DNA amplification, sequencing and primary/secondary analysis. Prepared libraries should be loaded directly onto the sequencer. System should be an open system to accept the Kits from any manufacturer.	**System should occupy minimal lab footprint and should be offered as an integrated set-up capable of performing automated library preparation, template DNA amplification, sequencing and primary/secondary analysis along with 10 TB storage capacity onboard/additional servers. System should be an open system to accept the Kits from any manufacturer**.
3.	The sequencing chemistry should mimic natural biological chemistry with simultaneous addition of all four bases in the sequencing reaction for competitive addition to the DNA template. The chemistry should thus allow for highly accurate sequencing through homopolymeric regions.	The sequencing chemistry should mimic **natural biological chemistry with simultaneous/ consecutive addition of all four bases in the sequencing reaction for competitive addition to the DNA template**. The chemistry should thus allow for highly accurate sequencing through homopolymeric regions.
4.	System should use dedicated reagents for generating data of up to 15 Gb or better and 25 million single reads or better of high-quality data passing filter. The output should be scalable, of 15 Gb or better, depending on requirements and the Sequencing Cluster Generation Kit.	System should use dedicated reagents for generating **data of at least 15 Gb or better and 25 million single reads** or better of high-quality data passing filter. The output should be scalable, of 15 Gb or better, depending on requirements and the Sequencing Cluster Generation Kit.
5.	Sequence output should generate accurate base calls and high error free reads with greater than 80% bases with high quality Q30 score at 2x150 bp or 200 bp read length, derived directly from intensity data and not from a reference sequence-based, multiple-color encoding scheme.	**Sequence output should generate accurate base calls and high error free reads with greater than 80% bases with high quality Q30 score at 2x150 bp or 200 bp read length, derived directly from intensity data and not from a reference sequence-based, multiple-color encoding scheme or measured read accuracy of >99% for 100bp to 600bp single end reads**

6.	The system should be offered with integrated paired-end fluidics on the instrument, supported with fully automated paired-end chemistry, without user intervention.	The system should be offered with integrated **single/paired-end fluidics on the instrument,** supported with fully automated single/paired-end chemistry, without user intervention.
7.	Supplier should provide the user list of at least 3 Govt user along with there email id and User details.	**Supplier should provide the user list and performance certificate of at least 3 govt user along with their email id and User details of the quoted model for both NGS & Capillary sequencer**
8.	The system should be supplied with one unit of 4 Capillary sequencing system for amplicon sequencing and NGS data verification. It should be provided with an on-board or dedicated Workstation with pre-installed Software for data acquisition and data analysis.	The system should be supplied with one unit of **8 capillary** sequencing system for amplicon sequencing and NGS data verification. It should be provided with an on-board or dedicated Workstation with pre-installed Software for data acquisition and data analysis.
9.	The systems should be provided on a turn key basis with all essential Accessories that are required for the sequencing workflow: This includes a 96 well Gradient Thermocycler, Workstation, Suitable UPS with 1 hr backup, Vibration free table, Plate Centrifuge, Pipette set single channel and Multichannel, Fragment Analyzer, Magnetic stand 96 well and 1.5/2ml, Fluorimeter, Dehumidifier, and Water bath 5 lt. The Accessories should be from Globally reputed Brands.	The systems should be provided on **a turn-key** basis with all essential Accessories that are required for the sequencing workflow: This includes a 96 well Gradient Thermocycler, Workstation, Vibration free table, Plate Centrifuge, Pipette set single channel and Multichannel, Fragment Analyzer, Magnetic stand 96 well and 1.5/2ml, Fluorimeter, Dehumidifier, and Water bath 5 lt. The Accessories should be from Globally reputed Brands.
10.	The system should be provided with a Computer Workstation (with Intel Core i7, 10th Generation Processor, 32 GB RAM and 1 TB SSD- ROM, 2 GB Graphics Card and pre-installed licensed version of Genomics Data Analyses Software) or better that would be dedicated for Off-line Analyses of Sequencing Data.	The system should be provided with a Computer Workstation (with Intel Core i7, 10th Generation Processor**, 256 GB RAM and 25 TB SSD- ROM, 2 GB Graphics Card** and pre-installed licensed version of Genomics Data Analyses Software) or better that would be dedicated for Off-line Analyses of Sequencing Data.
11.	**The vendor must also provide the detailed Layout for the facility highlighting designated areas for Sample, Library Preparation, Sequencing Area, and Data Analyses.**	
12.	**The vendor should provide the quotes for installing Aluminium & Board Partitions for creating the separate areas as per the layout of the entire facility.**	
13.	**The vendor should also provide at least one deep freezer (-20oC) and one refrigerator (4oC) required for keeping the perishable consumables related to the Genomics Facility.**	
14.	**The vendor should also provide adequate number of Tables for installing different components of the Genomics Facility and minimum 5 working Chairs.**	

The bid submission date against this tender is hereby extended till 15/07/2024 at 2:00 PM. All other terms and conditions will remain same.

Registrar