

Department of Bacteriology

Technical Specifications for Whole Genome Sequencing Quantity – 1 No

S.No	Technical specification	Complied (yes or No)	If compliance given, mention the page no. of your technical document where the details are provided
1	Software: <i>CLC Genomics Workbench</i> with Microbial Genomics module		
	Hard Ware:		
	HP Z8 Work Station:		
2	a. SYSTEM FEATURES		
	Operating system :Windows 10 Pro 64		
	Processor Name: Intel® Xeon® Bronze 3106 (1.7 ghz, 11 MB cache, 8 cores)		
	Processor family: Intel® Xeon® Bronze processor		
	Number of processors:2		
	Chipset: Intel® C622		
3	b. MEMORY		
	Memory: 32 GB DDR4-2666 ECC SDRAM (4 x 8 GB)		
	Memory slots:24 DIMM with 2 processors		
4	c. STORAGE		
	Hard drive description:1 TB 7200 rpm SATA		
	Hard drive (2nd):256 GB HP Z Turbo Drive pcie® SSD		
	Storage type:HDD; SSD		
	Optical drive: HP Slim DVD-Writer		
	External drive bays:Two 13.33 cm (5.25)		
	Internal drive bays: Four 6.35 cm(2.5) or 8.89 cm(3.5)		

5	d. DISPLAY AND GRAPHICS		
	Graphics:NVIDIA® Quadro® P1000 (4 GB GDDR5 dedicated)		
	Graphic card footnote 2: [17]		
6	e. INPUT DEVICES		
	Pointing device:HP USB Optical Mouse		
	Keyboard:HP USB Business Slim Keyboard		
7	f. COMMUNICATIONS		
	Network interface type:LAN		
	Network interface:Integrated Intel® I219-LM pcie® gbe		
8	g. POWER AND OPERATING REQUIREMENTS		
	Power 1700 W internal power supply, up to 90% efficiency, active PFC; 1450 W internal power supply, up to 90% efficiency, active PFC; 1125 W internal power supply, up to 90% efficiency, active PFC EnvironmentalLow halogen		
	DIMENSIONS AND WEIGHT Dimensions without stand (W x D x H) 21.59 x 55.12 x 44.45 cm WeightStarting at 22.4 kg		
	SECURITY MANAGEMENT Security managementHP Sure Start Gen3; Secure authentication; Kensington lock slot; Full volume encryption; HP Keyed Cable Lock Kit; TPM 2.0 certified; HP Secure Erase a. SOFTWARE Software HP Remote Graphics Software (RGS) b. Display Unit 68.58 cm (27) FHD (1920 x 1080 @ 60 Hz)		

	<p>Full HD; Height/Swivel adjustability; In plane switching; LED backlighting;</p> <p>Pivot rotation</p> <p>c. Storage device:</p> <p>d. 32TB hard Disc (cloud storage is preferable)</p>		
9	<p>Warranty: standard warranty of one year, CAMC for 2nd and 3rd year and AMC for the 4th year.</p>		