

Technical Specification for

Procurement of Hardware and Software for Sever with accessories

Item No	Item	Technical Specification		Quantity	Unit Price
1	Server	Processor	Intel Xeon E-2134 3.5GHz, 8M cache, 4C/8T, turbo (71W)	01	
		Clock/Bus Speed	3.5GHz, 8M Cache, 4T/s QPI, 4C, 71W		
		Chipset	C240		
		RAM	32 GB Memory UDIMM-2666MT/s DDR4		
		Hard Drive	2 x Dell 1TB 7.2K RPM SATA 6Gbps 512n 3.5in Hot-plug Hard Drive		
		RAID Controller	PERC H330 Hardware RAID Controller Supporting RAID Level 0,1,10,5		
		Optical Drive	DVD+/-RW ROM, SATA		
		Front I/O Ports	Video, 2 x USB 2.0, available USB 3.0, dedicated iDRAC Direct Micro-USB		
		Rear I/O Ports	Video, serial, 2 x USB 3.0, dedicated iDRAC network port		
		Expansion Slot	Riser options with up to 8 PCIe Gen 3 slots, maximum of 4 x 16 slots		
		Number of Bays	Up to 4 x 3.5 hot-plug SATA, SAS (optional), Up to 8 x 2.5 hot-plug SATA, SAS (optional)		
		LAN /NIC	Broadcom 5720 Dual port (2 Port) Gigabit Ethernet		
		Video Graphics	Integrated Graphics G200e with 8MB Cache memory		
		Power Supply	Dual Hot Plug Redundant Power Supplies 350W (1+1)		
		Remote Management	iDRAC 9 Basic		
Form Factor	1U Rack mount with Rail Kit				
Warranty	Dell 3 Years Standard Warranty				
2	Backup Server	Processor	10th Generation Intel® Core™ i5-10400, 12 MB Cache, 6 Cores, 12 Threads, 2.9 GHz to 4.3 GHz, 65 W	01	
		Cache Memory	12MB Cache		
		Chipset	Intel® B460		
		Integrated Audio	Integrated High Definition Audio Codec		
		Internal Speaker	Internal Business Audio Speaker		
		NIC	Integrated Gigabit LAN-On-Motherboard (LOM)		
		Memory	32GB 2666Mhz DDR4 Memory (2 DIMM Slots)		
		Hard Drive	2 x 1TB 7200 rpm Hard Drive		
		DVD+/-RW	DVD-RW Drive (Reads and Writes to DVD/CD)		
		Monitor	DELL 18.5" Monitor		
		Mouse	Dell USB Optical Mouse		
		Keyboard	Dell USB Business Keyboard		
		Graphics	Intel® UHD Graphics 630		
OS	Free DOS				

		I/O Ports	1 RJ-45 port 10/100/1000 Mbps (rear) 2 USB 2.0 Type-A ports (front) 2 USB 3.2 Gen 1 Type-A port (front) 2 USB 2.0 ports with Smart Power on (rear) 2 USB 3.2 Gen 1 Type-A ports (rear) 1 Universal Audio Jack (front) 1 Line-out audio port (rear) 1 DisplayPort 1.4 (rear) 1 HDMI 1.4b port (rear) 1 Serial /PS2 slot (optional) 1 Optional 3rd Video Port (VGA/DP 1.4/HDMI 2.0b)	
		Bays	1 internal 3.5" HDD, 2 internal 2.5" HDD, 1 internal slim ODD, Optional 5.25" bay	
		I/O Slots	1 full-height PCIe x16 Gen 3 slot 2 full-height PCIe x1 Gen 3 slot 1 M.2 2230 slot for wireless 1 M.2 2230/228 slot for storage 3 SATA slot .2	
		Power Supply	260W EPA Internal PSU	
		Monitor Power Cord	Monitor Power Cord	
		System Power Cord	System Power Cord	
		Warranty	03 Years warranty	
3	Equipment for Server Setup	Trendnet 8-port rack mount KVM Switch	8-Port USB/PS2 Rack Mount KVM Switch, VGA & USB Connection Supports USB & PS/2 Device Monitoring, Auto Scan Audible Feedback, Control up to 8 Computers/Servers TK-803R	01
		24 Port Managed Switch	SF300-24P 24-Port 10/100 PoE Managed Switch With Gigabit Uplinks	01
		Ultra Path Inter Connector	For tighten the server rack	02
4	Software	Microsoft Windows Server 2019 STD×64 Kit DVD and Online Activation Code (Box License)		01
5	Installation, Commissioning and Training Module of Microsoft Windows Server 2019 STD	Microsoft Windows Server Installation	Introduction to Microsoft Windows Server 2019 SDT	01
			Installation Process of Microsoft Windows Server 2019 SDT	
			Online Activation Process of Microsoft Windows Server 2019 SDT	
		Microsoft Windows Server Configuration	TCP/IP Networking	
			Primary Domain Controller (PDC)	
			Additional Domain Controller (ADC)	
			Domain Name System (DNS)	
			Group Policy Object (GPO)	
			File Server Configuration and Filtering/Screening	
			Print Server Configuration and Deploying	
		Virtual Server (Microsoft Hyper-V)	Create Hyper-V Platform	
			Setup Hyper-V Manager	
			Create Virtual Machine	
			Setup Virtual Machine	
			Configure Virtual Machine	

	Automatic Backup Solutions (Microsoft Hyper-V Replica)	Create Hyper-V Replica Platform		
		Configure Hyper-V Replica Platform		
		Create Replica of Virtual Machine		
		Configure Replica of Virtual Machine		
	Additional Server Configuration	DHCP Server Configuration		
		Proxy Server Configuration		
		FTP Server Configuration		
		Printer Server Configuration		
		DNS Server Configuration		
		Web Server Configuration		
		Mail Server Configuration		
		Application Server Configuration		
	RAID Configuration of Server with Hot spare			
The aforesaid cost estimate includes installation, commissioning with one (01) day user training. Trainer should be B.Sc Engineer (CSE/ICE) with at least 5 years working experience in this field.				
Special Note —Any other standard accessories including software not mentioned above necessary to install, commissioning and testing of the server should be supplied by the bidder.				