TECHNICAL SPECIFICATION FOR SERVER

Ser	Required features	Value
1.	Purpose	To be used as hosting server for various web application/ software's and website.
2.	Quantity	01 (One).
3.	Form factor	2U Rack
4.	Type	Rack mounted; must be fitted with 42U rack
5.	Brand	To be mentioned
6.	Model	To be mentioned
7.	Country of Origin	To be mentioned
8.	Country of Manufacture	To be mentioned
9.	Processor	2 x Intel Xeon silver 4110 2.1 GHz 8 core
10.	Bezel	LCD bezel control panel: Provides user access to buttons, display, and I/O interfaces
11.	Chipset	Intel C620
12.	Cache	Up to 38.5MB per core
13.	Memory	2 x 16GB RDIMM, 2666MT
14.	Drives	Up to 16 x 2.5" hard drives: SAS, SATA Up to 8 x 2.5" hard drives: SAS, SATA Up to 8 x 3.5" hard drives: SAS, SATA
15.	Hard Disk	4 x 1.2 TB, 2.5-inch 10K RPM SAS Hot Plug
16.	Monitor	Monitor LED 20"
17.	Storage Controllers	Internal controllers: PERC H330, H730p, H740p, Software RAID (SWRAID) S140 Boot Optimized Storage Subsystem: HWRAID 2 x M.2 SSDs 120GB, 240 GB External PERC (RAID): H840 12Gbps SAS HBAs (non-RAID): External- 12 Gbps SAS HBA (non-RAID), Internal- HBA330 (non-RAID)
18.	Dimensions & Weight	**Form factor:** Rack (2U) **Chassis depth:** 715.5 mm **Drive Bays** Up to 16 x 2.5" SAS/SATA/SSD, max 60TB Up to 8 x 3.5" SAS/SATA, max 96TB
19.	Ports	**Network daughter card options:** 4 x 1GE or 2 x 10GE + 2 x 1GE or 4 x 10GE or 2 x 25GE **Front ports:** Video, 2 x USB 2.0, available USB 3.0, dedicated IDRAC **Direct Micro-USB Rear ports:** Video, serial, 2 x USB 3.0, dedicated iDRAC network port **Video card:** VGA **PCIe:** Up to 8 x Gen3 slots, Up to 4 x16
20.	Raid Controller	Adapters: HBA330, H330, H730P, H740P, H840, 12G SAS HBA Mini Mono: HBA330, H330, H730P, H740P SW RAID: S140
21.	Integrations and Connections	Integrations: Microsoft® System Center, VMware® vCenter™, BMC Software Connections: Nagios & Nagios XI, Oracle Enterprise Manager

	Embedded Management	IPMI 2.0 compliant iDRAC9 with Lifecycle Controller (Express, Enterprise) Quick Sync 2 wireless module optional
23.	Accelerator Options	Up to three 300W or six 150W GPUs, or up to four FPGAs. Nvidia Tesla P100, K80, K40, Grid M60, M10, P4, Quadro P4000, NVIDIA V100, or Intel Arria® 10GX FPGA
24.	Optical Drive	16 X SATA DVD +/- RW Drive
25.	Video Connectors	One front, one back Both cannot be used at the same time. The front overrides the back
26.	USB Connectors	Front: two ports (USB 2.0), one managed (micro-usb 2.0) Optional Upsell: one port (USB 3.0) – Not o ered on R740xd Rear: two ports (USB 3.0) Internal: one port (USB 3.0)
27.	Chassis	Optional LCD or Security bezel
28.	Security Features	TPM 1.2/2.0 optional Cryptographically signed firmware Secure Boot
29.	Power Supply	Titanium 750W, Platinum 495W, 750W, 1100W, 1600W, and 2000W 48VDC 1100W, 380HVDC 1100W, 240HVDC 750W (China/Japan) Hot plug power supplies with full redundancy. Up to 6 hot plugs fans with full redundancy.
30.	Data Protection	TPM 1.2/2.0 optional Cryptographically signed firmware Secure Boot System Lockdown Secure erase
31.	OS	OS Should be Original (Licensed) Supported OS: Canonical® Ubuntu® LTS Citrix® XenServer® Microsoft Windows Server® with Hyper-V Red Hat® Enterprise LinuxSUSE® Linux Enterprise Server VMware® ESXi
32.	Warranty	Mentioning manufacturer warranty part number should be quoted, minimum 03 (Three) years warranty should be provided for their unit from the date of successful commissioning.
33.	Qualification of Bidder	a. Only the enlisted supplier of NSSD Dhaka permitted by the authorized sole distributor(s)/principals of the brands and models are qualified to participate in the tender. Therefore, sole distributorship certificate from the Manufacturer or Principal is to be submitted with the tender offer. b. The bidder must have after sales service centers in Dhaka, Chittagong and Khulna. The bidder is to mention addresses of the after sales service centers in Dhaka, Chittagong and Khulna.

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