


TECHNICAL SPECIFICATION OF SERVER FOR NS

SERVER (QTY – 01 with 01 X 42U Rack)

Ser	Required features	Value
1.	Purpose	To be used for Bangladesh Navy Officers' Information System (BNOIS) network of Naval Secretariat.
2.	Form factor	2U Rack
3.	Type	Tower type / Rack Mounted
4.	Brand	Dell/ HP/ IBM/Cisco
5.	Model	To be mentioned
6.	Country of Origin	USA
7.	Processor	2 X Intel Xeon gold 5118, 2.3 GHz boost up 3.2GHz, 12 Core
8.	Bezel	LCD bezel control panel: provides user access to buttons, display and I/O interfaces
9.	Motherboard	Compatible with two physical processors working parallel
10.	Chipset	Intel C620 or latest version Chipset or better
11.	Cache	Up to 38.5 MB per processor or better
12.	Memory	Minimum 64 GB (2 x 32GB RDIMM, 2400MT/s, Dual Rack, x8 Data Width) RDIMM up to 768GB or higher
13.	Drives	Up to 16x2.5" hard drives: SAS, SATA Up to 8x2.5" hard drives: SAS, SATA Up to 8x3.5" hard drives: SAS, SATA
14.	Hard Disk	Minimum 4 X 1.2TB 10K RPM SAS 12Gbps 512e 2.5 in Hot-plug Hard Drive, 01 – Server SSD (480/960 GB SATA)
15.	Monitor	Monitor LED 24 inch
16.	Raid Controller	Adapters: HBA330, H330, H730, H740, H840, 12G SAS HBA, Mini mono: HBA330, H330, H730, H740 SW RAID: S140,
17.	Ports	Network daughter card options: 4x1GE or 2x10GE + 2x1GE or 4x10GE or 2x25 GE Front ports: Video, 2xUSB 2.0, available USB 3.0, dedicated iDRAC network port, Video card: VGA, PCIe: Up to 8 x Gen3 slots, Up to 4x16
18.	Remote Management	iDrac 9 with life cycle controller, Enterprise with vFlash 8GB SD
19.	Network Card	Minimum Quad Port 1Gb Network Daughter Card
20.	Optical Drive	DVD + /-RW Drive integrated/external or Virtual media support for remote CD and DVD drives
21.	Video	Integrated 8MB shared video or higher
22.	Power Supply	Titanium 750W, Platinum 1100W, 1600 W and 2000W, 48V DC 1100W, 380HV AC 1100W, 240HVDC. Hot-plug power supplies with full redundancy. Up to 6 hot plugs fans with full redundancy.
23.	Data Protection	TPM 1.2/2.0 optional cryptographically signed firmware Secure Boot, System Lockdown, Secure erase

24.	Chassis	Optional LCD or security bezel
25.	Interfaces (Port)	1 X VGA, 1 x Serial Port, LCD Panel, 2 X USB Ports 1 X Remote Management Port, 4 X 1G Network Ports.
26.	Rail Kit & Cable Management	Sliding Rail Kit with cable management arm
27.	42U Rack	01 in no 42U rack with 02 in no PDU
28.	Security Features	Power-on password, Serial interface control, Administrator's password etc.
29.	OS	OS Should be Original (Licensed), Supported OS: Windows Serve 2012 r2 or latest 64 bit.
30.	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.


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