



Please specify brand names & model, if applicable.

• Brand Name & Model: _____

Warranty: _____

• Delivery Period: _____

Price Validity: _____

After having carefully read and accepted your general conditions, I / We quote you on the item(s) at prices note above. If the space for Delivery Period, Warranty and Price Validity are left blank, it means that I concur with the Terms and Conditions specified by DPWH.


Tel. Nos.5304-3188/5304-3530/5304-3208

Signature Over Printer Name/Date

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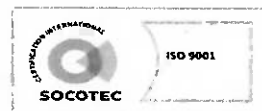
12.1.3 ABC/MPOA

Tel. no./Cellphone No./E-mail Address

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Website: <https://www.dpwh.gov.ph>

Tel. No(s): 5304-3000 / (02) 165-02





**Standard Technical Specifications for
Network Attached Storage**

Name of Equipment: Network Attached Storage (96 TB)

Description: File Server / Storage that requires 96 TB usable capacity

Main Equipment Components		Specification
Hardware		
	<i>Form Factor</i>	Rackmount (2U)
	<i>Processor</i>	Intel Xeon (latest generation, 6-core and 64-bit) or its equivalent
	<i>Memory</i>	16GB ECC Memory DDR4
	<i>Storage Capacity</i>	96TB usable capacity
	<i>Hard drive</i>	SATA/SAS HDD
	<i>Enclosure</i>	2U 12 Drive bays
	<i>Disk Management</i>	RAID 1 for Operating System RAID 6 for shared volumes
	<i>Standard Protocols</i>	<ul style="list-style-type: none"> • Network File System (NFS) • Common Internet File System (CIFS) / • Server Message Blocking (SMB)
	<i>Storage Efficiency</i>	Snapshots, Deduplication, Compression and Thin Provisioning
	<i>I/O Ports</i>	<ul style="list-style-type: none"> • LAN (RJ-45), USB 3.0
	<i>Network Interface</i>	Gigabit Ethernet
	<i>Power</i>	100-240 VAC
Software		
	<i>Operating System</i>	Windows Storage Server 2019 Standard or latest version
	<i>System Management</i>	The management software shall have the following features: <ul style="list-style-type: none"> • Graphical user interface for system management and monitoring. • Automate data protection process • Remote Management • Email alert/notification • Reporting tool and diagnostic
	<i>Compatible OS</i>	Windows 11,10
Accessories		
	<i>Mounting Kit</i>	Manufacturer's Standard
	<i>Cables and Connectors</i>	All necessary cables, fiber cables, connectors and power adapters

Other Requirements:

Brand and Model: Must be an International Brand Name with existence of at least ten (10) years in the Philippines. Unit model must be in current catalog and not end-of-life. Manufacturer's certificate is required.

Components: All Components must be the same brand as the NAS, factory installed and new. The Supplier is NOT allowed to change or add any components.

Regulatory: ENERGY STAR certified (with Energy Star Stamp). For NAS that do not carry an Energy Star label, an appropriate means of proof of Energy consumption levels shall be submitted such as a technical dossier of the manufacturer or a test report from a recognized body to demonstrate compliance with this requirement.

Training: The Supplier shall provide one (1) day in-house comprehensive training for the IT Support Officers on the administration and management of the NAS. The Supplier shall provide all the training logistics and resources.

Documentation & Media: All equipment shall be supplied with the standard manufacturer's documentation, on any electronic storage media and hard copy version where available

Delivery: The Supplier shall deliver all the necessary hardware, software, and/or licenses within 30 calendar days upon the receipt of the Notice to Proceed (NTP). The Inspection and Acceptance Report (IAR) shall be issued to the Solution Provider after the successful inspection, testing, or acceptance of the delivered hardware.



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Installation and Configuration: The Supplier shall be able to demonstrate physically and/or through standard utility packages that all minimum requirements as specified on the above Hardware and Software Specifications are complied with and successfully configured and implemented.

The Supplier shall assist in the configuration of the NAS to the Department's network. Access rights shall be determined by the DPWH team to ensure the confidentiality of the stored data. The Supplier shall configure NAS for optimal RAID configuration.

In case of incompatibility or non-interoperability, the Supplier shall rectify the issue and must provide equipment, software, and/or licenses at no additional cost to the Department.

The Supplier shall ensure that all network connectivity, links, and services are simulated and successfully tested. The Department shall issue an Installation and Configuration Certificate after the installation and configuration has been completed.

Operational Acceptance: A five (5) calendar day (cd) Operational Acceptance period shall commence upon the receipt of the Installation and Configuration Certificate and after having satisfactorily completed the Administration Training Course. During this period, if the DPWH finds that there is a problem with the installation or configuration of any of the Goods supplied under this Contract, then the Supplier shall rectify the issues at no additional cost and another five (5) cd period shall commence upon receipt of the remediation/fix of Goods.

The Department shall issue an Operational Acceptance Certificate to the Supplier after successfully completing the five (5) cd continuous Operational Acceptance Testing and submitted all the required documentation and media.

Warranty: The Supplier is required to provide a three (3) year warranty for parts and on-site labor from the date of the Operational Acceptance Certificate (OAC).

Technical Support: The local technical support shall include telephone and email, 8 hours per day (8:00am - 5:00pm) 5 days a week (Monday - Friday) for problem resolution. Support shall have a response time of next business day.

Additional Notes: N/A

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