

Technical Specifications for NAS			
Sl. No.	Parameters	Features / Specifications	Suggested Make
A: HARDWARE			Dell / HP / Tyrone / Netgear
1	Form Factor	Rack Mountable. 4RU or more with Rack Sliders	
2	Internal Storage Capacity	320TB or more Raw unified storage	
3	CPU, RAM, OS	Storage should be controller based with minimum Intel Xeon 10 Core / 20 Threads 2.4GHz or better processor. 64 GB DDR4 ECC Memory. Linux or its variant OS.	
4	Storage Slots	36 or more	
5	Storage drives	HDD: 20 x 16 TB Enterprise class hot-swappable NL-SAS Drives. And pre-installed OS in SSD (preferably in 2 nos of M.2 card in rear PCIe slot or USB DOM in RAID-1)	
6	Drive Interface	12Gb/s SAS	
7	Network Port	2 x 10 Gigabit or more Fiber SFP+ port with SFP Modules 2 x 10 Gigabit or more Ethernet Copper port 2 x 1Gb or more Ethernet port (RJ45)	
8	RAID functionality	RAID levels supported : RAID 0, 1, 5, 6, 10, 50, 60	
9	File Protocols & Block Protocols	CISF/SMB, NFS, AFS, FTP iSCSI, FC, SRP	
10	Power supply	1+1 Redundant power supplies delivering more than 80% energy efficiency.	
11	Network Configuration	IPv6 support Fixed or dynamic IP address	
B. SOFTWARE			
1	Operating system	Operating System Platform and Clustering Supported by the Storage from day one.	
C. WARRANTY			
1	OEM Warranty	5 Years on Site	

Estimated Cost would be around **Rs.16,30,568/-** .

GeM Link of similar Spec:-

[<https://mkp.gem.gov.in/storage-system-v2/tyrone-opslag-fs2-s4ac-36-storage-jb/p-5116877-80909891816-cat.html>]

 13/11/2024
सुशोवन हाजरा/SUSOVAN HAZRA
 सहायक निदेशक (अभि.)/Assistant Director (Engg.)
 दूरदर्शन केंद्र/Doordarshan Kendra
 कोलकाता -700 095/Kolkata-700 095