



National Institute for Micro, Small and Medium Enterprises (ni-msme)

(An organisation of Ministry of MSME, Government of India)
Yousufguda, Hyderabad-500045

ni-msme invites online quotations for the supply of SERVERS (DELL) as per the given below detailed specifications **on or before 21.05.2020** to the following e-mail address :

director@nimsme.org

Kindly Note: *The Director General reserves the right to cancel one or all the quotations without assigning any reasons.*

Server specifications:

SNO	Description	Specification
1	Chassis	
	Form Factor	Rack
	Size (RU)	2
2		
	Processor Architecture	X86-2U 2socket
	Processor Make	X86-2U 2socket AMD ROME Server.
	Number of Cores per	24 Cores, 48Theard
	Processor Base Frequency (GHz)	3.0
	Processor Turbo Frequency (GHz)	3.9
	Total Cache (L1+L2+L3) (MB)	128 MB (L3)
	Processor Description/ Number	AMD EPYC™ 7352
3	Motherboard	
	Chipset compatible with CPU	AMD EPYC™ 7352
	Expansion Slots Gen 3 (PCIe x16)	3
	Maximum number of Sockets available on Server	2
	Maximum number of Sockets populated with Processors available on Server	2 Populated
4	Memory	
	Type of RAM	DDR4-3200 ECC RDIMM
	Total Number of DIMM Slots available	24
	Number of DIMM Slots populated with DDR SDRAM	16
	DDR SDRAM Size (GB)	1024 GB
	DDR SDRAM upgradable up to using spare DIMM Slots (GB)	800
5	SSD Storage	
	Type of Interface for SSD	SATA
	Type of SATA SSD	Mixed Use
	SATA SSD Hot Swappable	Yes
	Endurance for SATA SSD (DWPD - Drive Writes Per Day) (X)	3
	Total Number of Slots available for SATA SSD	8

	Number of Slot Populated with SATA SSD	4
	Capacity offered per SATA SSD (GB)	480
	Total Capacity Offered with SATA SSD (GB)	1920
6	RAID	
	RAID level	5
	No of RAID Controller Ports	8
	Speed of RAID Controller Ports (Gbps)	12 GBPS
	RAID Controller Cache (GB)	2 GB
7	Ports and Interfaces	
	Network Card Supported	10G,1G
	Number of Networking Interface Cards (LAN)	2
	Whether Network Interface Card Embedded	Yes
	Number of Ports Per Network Interface Card	4x1G,4x10G with SFP+
	Networking Interface Card Features	Asset Feature Tracking, Security Management, Remote Wake up, Each Adapter should support vNICs
	Number of Dual port FC HBA card	1
	FC HBA Speed (Gbps)	16
	Video Controller (support VGA or above resolution)	Yes
	DVD ROM (Internal/External)	Yes
	USB Ports (version 2point0/3point0)	4
	Total number of Spare Bays Available for Future Upgradation (Internal)	4
	Total number of Spare Bays Available for Future Upgradation (Hot Plugable)	4
8	Certifications	
	Certifications/Compliance (OS)	Windows, Red Hat Linux, Suse Linux, Ubuntu, Cent OS, Debian, AIX
	Certification/Compliance(Virtualization/Cloud Platform)	VM ware, HyperV, Oracle Virtualization, Red Hat Virtualization, PowerVM, Open Stack, Kubernetes, Xen, KVM
9	Features	
	Management Features-1	Remote Management of Server over LAN & WAN with SSL encryption through gigabit management port,
	Management Features-2	Management of multiple Servers from single console with single source of truth for multiple sites. Automated infrastructure management for patch upgrades, version upgrades etc. Simplified management with analytics driven actionable intelligence., system tagging giving admin flexibility to provide metadata tags to each System to enable users to alter and sort systems based on user-assigned attributes, Hardware Profile based deployment to multiple Servers simultaneously, Policy template for deployment of single policy to multiple Server simultaneously, Platform inventory and health status, Server utilization statistics collection (including armware updates and diagnostic tools),Should provide an alert in case the system is not part of OEM hardware compatibility test, Solution should be open and programmable providing Rest API, SDK for programming languages like Python , power shell scripts etc., should have customizable dashboard to show overall faults/health/inventory for all managed infrastructure the solution should

		provide option to create unique dashboards for individual users. The user should be flexibility to select name for dashboards and widgets(viz. health, utilization etc.),Single pane of glass for auto Provisioning across Multivendor & multi hypervisor platform, Self-service portal deployment for automated provisioning, Real-time out-of-band hardware performance monitoring & alerting
	Security Features-1	Secure Boot(Firmware and Bios Level Security),Provision to lock the system on breach, Hardware root of trust/Dual Root of Trust, Server should provide policy based security, Server should provide server intrusion detection,
	Security Features-2	Provision for Cryptographic armware updates, Capability to stop execution of Application/Hypervisor/Operating System on predefined security breach, Secure/Automatic BIOS recovery, Network Card secure armware boot. In case of any security breach system should provide the lock down feature
10	Generic	
	Server scalability to be achieved within the box & without adding nodes	Yes
	support for high availability clustering and virtualization	Yes
	Redundant Power Supply	Yes
	Hot Swappable (Redundant Power Supply)	Yes
	Power Supply Efficiency	1600W Redundant Power Supplies, Titanium Level (96%+)
	Redundant Fan	Yes
	Hot Swappable (Redundant Fan)	Yes
	Server Main Supply	230 +/- 10%Vac
11	Benchmark	
	SPEC into rate base 2017 for the product (must be available on SPEC dot ORG before evaluation)	225
	SPEC fp_rate_2017 for the product (must be available on SPEC dot ORG before evaluation)	215
12	Miscellaneous	
	Maximum power consumption of the system (Watts)	750
	BIS Registration under CRS of MeitY	Yes
	BIS Registration Number Under CRS of MeitY and its validity	R-61000388
	Other Certifications Available	UL, FCC
	RoHS Compliance	Yes
	Availability of the type test report from Central Government / NABL / ILAC accredited laboratory covering verification of all features & functional parameters & environmental tests sequence	Yes
	The server has been checked for all the parameters before conditioning, After completion of the environmental tests sequence, with a recovery period of 1 to 2 hrs, the server found to be functional	Yes

	Test Report Number & date	Yes
	Name & Address of Lab	Yes
13	Scope of Supply	
	Installation and Commissioning shall be included in the scope of supply	Yes
14	Warranty	
	On Site OEM Warranty (Year)	5 years

For any technical queries you may contact:

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