

Scope of Work for Procurement of HP Z8 G5 Desktop Workstation and 2 KVA ITON CX 2000 VA equivalent UPS

1. Scope of work

1.1 HP Z8 G5 Desktop Workstation

- a) Supply of Desktop Workstation, Model: HP Z8 G5, 64 cores - as per the technical specifications in Annexure-B
- b) Packing and transportation to BAPL, Hyderabad
- c) Wiring / cabling and setup of the workstation at BAPL, Hyderabad

1.2 2 KVA ITON CX 2000 VA equivalent UPS

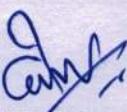
- a) Supply of UPS 2 kVA, Model-ITON CX 2000 VA equivalent as per the technical specifications in Annexure-B
- b) Packing and transportation to BAPL, Hyderabad
- c) Wiring / cabling and setup of the UPS with the workstation at BAPL, Hyderabad

2. Acceptance

Acceptance is based on inward goods inspection (IGI) at BAPL, Hyderabad and review of performance of the hardware including demonstration of core scalability.



(NK Gopinath)
Sr. SM (AV-M)



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Annexure-B
Technical Specifications of HP Z8 G5 Desktop Workstation and
2 KVA ITON CX 2000 VA equivalent UPS

S. No.	Parameters	Specifications
1.	Processor	2*Intel Xeon 6530 32 cores 165 W CPU (total 64 cores) or higher
2.	Chipset	Intel W790 (compatible and higher version)
3.	Cooling	Air cooled forced convection
4.	BIOS	With enhanced security, self-healing and regular checks
5.	RAM	256 GB, 4800 MHz DDR5, 16 DIMM slot- all slots should be on motherboard itself. Option for upgradeability up to 2 TB.
6.	Driver controllers	Primary storage via 2*PCIe*8 Gen4 with upto 4*M.2 SSD's and Secondary Intel SATA controller-6 Nos with 6 GBPS speed
7.	Hard disk	a) 1*1TB Turbo drive PC1eNVMe SSD b) 4*8TB SATA HDD System should support additional 3*M.2 SSD & 5*sata 3.5 HDD in future
8.	Optical drive	1 SLIM DVD RW Writer
9.	Graphics Card	Nvidia RTX 2000 ADA 16 GB graphic card. Provision to install 3 No's of dual slot full height graphics card.
10.	Display	34" WQHD monitor
11.	Bays	2*PC1e*16 gens 1*PC1e*4 Gens 2*PC1e*4 Gen 4 2*PC1e*16 Gen 4 1*PC1e*8 Gen 4 Dedicated for M.2 SSD's-2*PC1e*8 Gen4 for PCIe over M.2 HDD's upto 4 no's of M.2 SSD'S
12	Ports	a) Front: 4 super speed USB type -A 5 Gbps, b) Rear: 6*6 super speed USB type A 5 GBPS, 2*1G LAN
13.	Audio	High-definition integrated audio with internal speaker
14.	Chassis	Completely tool less chassis with handles in the front and rear side. Provision for Kensington lock and panel lock required. System is rack mountable
15.	Power supply	1700 W aggregate internal power supply, up to 90% efficiency
11.	Keyboard	USB keyboard with 104 keys
10.	Mouse	Optical USB mouse
11.	Operating system	Windows 11 pro for workstation
12.	Warranty	5-5-5 years onsite parts and labor warranty for system and monitor with DMR care pack and warranty shown on OEM website
13.	UPS	Line interactive UPS with 2000 VA

