

**Response to Bidders Queries - Power Information Technology Company (PITC)
Pre-Bid meeting held on 27-04-2023 at 11:00 A:M
Tender No. PITC/G-224(82)/03-2023 for "Supply of hardware and software"**

Sr. No	Firm Name	Item	Specifications as per RFP	Queries/suggestion by bidders	Clarifications by PITC	
1	M/s IBL- Unisys (Pvt) Limited	LOT A- Servers	Brands: HP/IBM/Dell/Fujitsu/Huawei or Equivalent internationally recognized brands	Brands: HP/IBM/Dell/Fujitsu/Huawei/ H3C or Equivalent internationally recognized brands	As per RFP	
2			Device form factor	2U Rack mount Server with min. 24 SAS SSD/NVMe hard drives support	2U Rack mount Server with at least 8 2.5"(SFF) disk slots	At least 08 or higher
3			Processor	2x Intel® Xeon® Gold 5318Y, 2.1 GHz, 24C/48T or higher	2x Intel Xeon Gold 5318Y, with 2.1 GHz Clock Frequency, 24Cores with hyperthreading feature or higher	As per RFP
4			RAM	1TB(64GB*16) RAM ECC DDR4 3200 MHz LRDIMMs	16 x 64GB RAM, ECC DDR4 3200 MHz RDIMMs	Accepted
5			Hard Disk Drive	2 x 3.2 TB NvMe SSD 2.5" PCIe Gen3 - single port x4 lanes, 4 X 1.2 TB U.2 PCIe 3.0 x4 Solid State Drive or higher Built-in disk type: hot-swappable or SSD	2 x 3.2 TB NvMe U.2 2.5in MU SSD 2.5" PCIe Gen4 SSD or higher	Gen 3 or higher
					(Gen 3 throughput speed is 32G whereas Gen 4 has double i.e 64G)	As per RFP
6			Hard Disk Bay	Hard Disk Front Bay (2.5 inch) up to 16 or higher	Should support up to 24 disks or higher on the front of server	Accepted
7			RAID Controller	Should Support Raid 0,1, 5, 10 50, 6 , 60 with min 2 GB NV Cache	Must Support Raid 0,1, 5, 10 50, 6 , 60 with 4GB Cache (in case power-outage more data will be saved)	As per RFP
8			Remote Server Management	Enterprise Remote Management	Should support Remote Device Management with dedicated on-board system port without any additional license	As per RFP
9			I/O Expansion	Support PCIe SSD card, must support min 8 PCIe Slots	Should support at least 8 PCIe Slots with the ability to install Ethernet, GPU, HBA cards	As per RFP
10			Onboard Network Adapter	(2 * Port 10Gb SFP+, 2 * Port 10Gb Ethernet) / 4 * Port 10Gb	Should provide 2 x 10G SFP+, 2 x 10G Ethernet, 2 x 1G cards	As per RFP
11	Power Supply	Redundant hot-swappable dual Power Supply Unit in full configuration (1+1)	Minimum 1300W Redundant (1+1) hot-swappable AC Power Supplies	As per RFP		

12			Stability	Support long-term operating temperature under specific Conditions	Should support 5 to 45 Degree Celsius long-term operating temperature	As per RFP
13			System Management	Support remote management with dedicated port	Note: (This line removed and merged under "Remote Server Management")	As per RFP
14			Compatibility	Supports mainstream operating systems, such as Windows, Redhat Linux, SuSE Linux, VMware and Citrix Xeon Server , Solaris (11.2, 11.3 & 11.4)	Should support Enterprise Class operating systems, e.g. Microsoft Windows, Redhat Enterprise Linux, SuSE Linux Enterprise Server, VMware and Citrix Xen Server (INTEL has removed SOLARIS from its SUPPORTIMG list. Also ORACLE has declared SOLARIS as end of life)	Supports mainstream operating systems, such as Windows, Redhat Linux, SuSE Linux, Oracle linux, VMware and Citrix Xeon Server.
15			Support	03 year comprehensive OEM warranty / support	03 year 5x9 NBD OEM warranty / support	As per RFP
16			Device form factor	2U Rack mount Server with min. 24 SAS SSD/NVMe hard drives support	Hard drive expansion in a server provides businesses with increased storage capacity, redundancy, performance and flexibility to meet their evolving data storage needs so we would recommend as: 2U Rack mount server with at least 8 2.5" (SFF)disk slots on the server and this number can be increased upto 30 disks.	Already cleared at Sr no.2
17	M/s CMC	LOT A-Servers	Hard Disk Drive	2 x 3.2 TB NVMe SSD 2.5" PCIe Gen3 - single port x4 lanes, 4 X 1.2 TB U.2 PCIe 3.0 x4 Solid State Drive or higher Built-in disk type: hot-swappable or SSD	The maximum theoretical speed of NVMe Gen 3 is 32 Gbps (gigabits per second) whereas NVMe Gen 4 is available and it has a theoretical maximum speed of 64 Gbps (gigabits per second) so it should be as: 2x 3.2 TB NVMe U.2 2.5in MU SSD 2.5" PCI Gen4 4x 1.92 TB SSD or higher Built-in disk type: SATA SSD	Already responded at Sr no. 05
18			RAID Controller	Should Support Raid 0, 1, 5, 10 50, 6 , 60 with min 2 GB NV Cache	Having a larger RAID cache can improve the performance , data protection and storage capacity of a RAID system, which can be beneficial for servers that handle large amounts of data and require high levels of performance and reliability therefore we recommend to increase controller cache to 4GB	Already responded at Sr no.7

19			Compatibility	Supports mainstream operating systems, such as Windows, Redhat Linux, SuSE Linux, VMware and Citrix Xeon Server , Solaris (11.2, 11.3 & 11.4)	Solaris 11.x may still be a viable operating system for some use cases, it may not be considered an important supported OS, due to decreasing popularity, limited application support, the availability of open-source alternatives, therefore we recommend to please remove the “Solaris (11.2, 11.3 & 11.4)” as mandatory clause.	Supports mainstream operating systems, such as Windows, Redhat Linux, SuSE Linux, Oracle linux, VMware and Citrix Xeon Server.
20	M/s Ideal Business Equipment	LOT B & C - Desktops & Laptops	It is reference to the subject tender for the supply of Hardware and software, Kindly note that in LOT “B” and “C” have ambiguity in processor generation, as per tender document department requiring 13 th Generation but mention 11 th gen i.e 11700 & 1165U respectively. So please clarify this.			Please see response at Sr no 21
21			Moreover, although all brand had announced the desktop & Laptop machines with 13 th Gen but it should be available within 18 to 20 weeks. So, we are requesting please department change this to 12Gen Processors that are as follows: Desktop Processor i.e 12 th Gen Intel core i7 - 12700 Laptop Processor i.e 12 th Gen Intel core i7 – 1255U			
22	M/s GCS Pvt Ltd.	LOT A- Servers	Device form factor	2U Rack mount Server with min. 24 SAS SSD/NVMe hard drives support	2 U Rack Mount Server with min. 16 - 24 SAS SSD/NVMe Hard Drives support	Already responded at Sr no.2
23			RAID Controller	Should Support Raid 0,1, 5, 10 50, 6 , 60 with min 2 GB NV Cache	Should support Raid, 0, 1, 5,6, 10 , 50, 60 with min 8 GB NV Cache	Already responded at Sr no 7.
24			RAM	1TB(64GB*16) RAM ECC DDR4 3200 MHz LRDIMMs	Kindly change LRDIMMS to RDIMM	Already responded at Sr no 4.
25			I/O Expansion	Support PCIe SSD card, must support min 8 PCIe Slots	Support PCIe SSD Card, must support min 5 - 8 PCIe Slot	As per RFP

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