

### Bid Document

Bid Details	
Bid End Date/Time	23-10-2020 11:00:00
Bid Opening Date/Time	23-10-2020 11:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Human Resource Development
Department Name	Department Of Higher Education
Organisation Name	Indian Institute Of Science Education And Research (iisers)
Office Name	Pune 411008
Total Quantity	8
Item Category	Server
Bidder Turnover (Last 3 Years)	14 Lakh (s)
Experience Criteria	3 Year (s)
MSE Exemption for Years Of Experience and Turnover	Yes
Startup Exemption for Years Of Experience and Turnover	Yes
Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Past Performance	40 %
Bid to RA enabled	No
Primary product category	Server
Inspection Required	No
Estimated Bid Value	3000000

#### EMD Detail

Advisory Bank	State Bank of India
EMD Percentage(%)	2.00
EMD Amount	60000

#### ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	10.00
Duration of ePBG required (Months).	36

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

**Beneficiary:**

Director

Indian Institute of Science Education and Research (IISER) Dr.Homi Bhabha Road, Pashan, Pune-411008  
(Director Indian Institute Of Science Education And Research Pune)

**Splitting**

Bid splitting not applied.

1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

2. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 40% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

**Server ( 6 pieces )**

**Technical Specifications**

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Chassis	Form Factor	Rack	*
	Size (RU)	2	*
Processor	Processor Architecture	CISC(X86)	*
	<b>Processor Make</b>	Intel	Intel
	<b>Number of Cores per Processor</b>	8	8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 64, 11, 48 Or higher
	<b>Processor Base Frequency (GHz)</b>	2.1	2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 3, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 4 Or higher
	Processor Turbo Frequency (GHz)	3.2	*
	<b>Total Cache (L1+L2+L3)(MB)</b>	11	11.0 - 256.0 Or higher
	Processor Description/	Intel Xeon Silver 4208	*

	Number		
Motherboard	Chipset compatible with CPU	Intel C621	*
	Expansion Slots Gen 3 (PCIe x1)	0	*
	Expansion Slots Gen 3 (PCIe x4)	0	*
	Expansion Slots Gen 3 (PCIe x8)	1	*
	Expansion Slots Gen 3 (PCIe x16)	1	*
	<b>Maximum number of Sockets available on Server</b>	2	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Or higher
	<b>Maximum number of Sockets populated with Processors available on Server</b>	1	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Or higher
Co Processor / GPU	<b>Availability of Co Processor /GPU</b>	No	Yes, No Or higher
	If Yes, Maximum Number of Slots available for Co-Processor/GPU	0	*
	If Yes, Maximum Number of slots populated with Co processor/GPU	0	*
	If Yes, Co Processor /GPU Description	NA	*
Memory	<b>Type of RAM</b>	DDR4 SDRAM with ECC	DDR4 SDRAM with ECC
	Total Number of DIMM Slots available	12	*
	Number of DIMM Slots populated with DDR SDRAM	4	*
	Number of DIMM Slots populated with DDR NVRAM	0	*
	<b>DDR SDRAM Size(GB)</b>	128	128.0 - 6144.0 Or higher
	<b>DDR NVRAM Size (GB)</b>	0	0.0 - 1600.0 Or higher
	DDR SDRAM upgradable upto using spare DIMM Slots (GB)	128	*
	DDR NVRAM upgradable upto using spare DIMM Slots (GB)	0	*
SSD Storage	<b>Type of Interface for SSD</b>	SATA	SATA
	Type of SATA SSD	Read Intensive	*
	SATA SSD Hot Swappable	Yes	*
	Endurance for SATA SSD (DWPD - Drive Writes	0	*

	Per Day) (X)		
	Total Number of Slots available for SATA SSD	2	*
	Number of Slot Populated with SATA SSD	2	*
	Capacity offered per SATA SSD (GB)	480	*
	<b>Total Capacity Offered with SATA SSD (GB)</b>	960	More than 960.0 Or higher
	Type of SAS SSD	NA	*
	SAS SSD Hot Swappable	NA	*
	Endurance for SAS SSD (DWPD - Drive Writes Per Day) (X)	0	*
	Total Number of Slots available for SAS SSD	0	*
	Number of Slots populated with SAS SSD	0	*
	Capacity Offered per SAS SSD (GB)	0	*
	<b>Total Capacity Offered with SAS SSD (GB)</b>	0	More than 0.0 Or higher
	Type of NVMe SSD	NA	*
	NVMe SSD Hot Swappable	NA	*
	Endurance for NVMe SSD (DWPD - Drive Writes Per Day) (X)	0	*
	Total Number of Slots available for NVMe SSD	0	*
	Number of Slots populated with NVMe SSD	0	*
	Capacity Offered per NVMe SSD (GB)	0	*
	<b>Total Capacity Offered with NVMe SSD (GB)</b>	0	More than 0.0 Or higher
HDD Storage	<b>Type of Interface for Hard Disk Drive</b>	SATA	SATA
	Total number of Slots available for SATA Drive	6	*
	Number of Slots populated with SATA Drive	6	*
	Capacity offered per SATA Drive (GB)	4000	*
	SATA drive speed (hot plug or better) (RPM)	7200	*
	<b>Total Storage Capacity offered with</b>	24000	More than 24000.0 Or higher

	<b>SATA Drive (GB)</b>		
	Total number of slots available for SAS drive	0	*
	Number of Slots populated with SAS Drive	0	*
	Capacity offered per SAS Drive (GB)	0	*
	SAS drive Speed (Hot plug or better) (RPM)	NA	*
	<b>Total Storage Capacity offered with SAS Drive (GB)</b>	0	More than 0.0 Or higher
	Total number of slots available for NL SAS drive	0	*
	Number of Slots populated with NL SAS Drive	0	*
	Capacity offered per NL SAS Drive	0	*
	NL SAS drive speed (hot plug or better) (RPM)	NA	*
	<b>Total Storage Capacity offered with NL SAS Drive (GB)</b>	0	More than 0.0 Or higher
RAID	RAID level	1,5,6,0	*
	<b>No of RAID Controller Ports</b>	8	8 Or higher
	<b>Speed of RAID Controller Ports (Gbps)</b>	12	12 Or higher
	RAID Controller Cache (GB)	2	*
Ports & Interfaces	Network Card Supported	1G	*
	<b>Number of Networking Interface Cards (LAN)</b>	1	2, 3, 4, 5, 6, 7, 8, 1 Or higher
	Whether Network Interface Card Embedded	Yes	*
	<b>Total Number of Ethernet Ports required in Server</b>	4x1G	4x1G
	Networking Interface Card Features	Asset Feature Tracking,Security Management	*
	Server Network Ports should Support SR-IOV Feature	No	*
	Server network ports should support DPDK and it should deliver zero packet loss as per RFC 2544 and deliver 100% line rate for all the	No	*

	packet sizes over 64 Bytes, Vendor to submit latest DPDK test report for the same		
	<b>Number of Single port FC HBA card</b>	0	0, 1, 2, 3, 4 Or higher
	<b>Number of Dual port FC HBA card</b>	0	0, 1, 2, 3, 4 Or higher
	<b>Number of Quad port FC HBA card</b>	0	0, 1, 2, 3, 4 Or higher
	<b>FC HBA Speed (Gbps)</b>	NA	8, 16, 32, NA Or higher
	vHBA Card Features Supported	No	*
	<b>Number of Converged Network Adaptor (CNA)</b>	0	0, 1, 2, 3, 4 Or higher
	<b>Number of Ports per CNA card</b>	NA	Dual Port, Quad Port, NA Or higher
	<b>CNA Port Speed (Gbps)</b>	0	10, 25, 40, 50, 100, 200, 0 Or higher
	<b>Length of LC-LC Cable per SFP+ Port (meter)</b>	0	5, 10, 15, 0 Or higher
	<b>Length of LC-LC Cable per HBA Port (meter)</b>	0	5, 10, 15, 0 Or higher
	<b>Length of LC-LC Cable per CNA Port (meter)</b>	0	5, 10, 15, 0 Or higher
	Length of Twinax Breakout Cables per Port (meter)	0	*
	Video Controller (support VGA or above resolution)	Yes	*
	Keyboard Port	No	*
	Mouse Port	No	*
	DVD ROM (Internal/Exrternal)	No	*
	USB Ports (version 2point0/3point0)	5	*
	Total number of Spare Bays Available for Future Upgradation (Internal)	0	*
	Total number of Spare Bays Available for Future Upgradation (Hot Pluggable)	0	*
Certifications	<b>Certifications/Compliance (OS)</b>	Windows,Red Hat Linux,Suse Linux	Windows, Red Hat Linux, Suse Linux
	Certification/Compliance (Virtualization/Cloud Platform)	VM ware,HyperV,Red Hat Virtualization	*
Features	<b>Management Features-1</b>	Remoter power On/ Shutdown of server,,Remote Management of Server over LAN & WAN with SSL	Remoter power On/ Shutdown of server,, Remote Management of Server over LAN & WAN

	encryption through gigabit management port,,Should have virtual Media support with all required licenses.,Remote KVM,Server Health Logging,Out of Band Management	with SSL encryption through gigabit management port,, Should have virtual Media support with all required licenses., Remote KVM, Server Health Logging, Out of Band Management
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 filter 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 Servers simultaneously,Platfrom inventory and helath status,Server utilization statistics collection (including firmware updates and diagnostic tools),Should provide an alert in case the system is not part of OEM hardware complatibility test,Solution should be open and programmable providing Rest API, SDK for programming lanugaes 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 dshasboards and widgets (viz. health, utilization etc),Real-time out-of-band hardware performance monitoring & alerting	*
<b>Security Features-1</b>	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	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

		policy based security,Server should provide server intrusion detection,,"Malicious Code Free design" (to be certified by OEM)	should provide server intrusion detection,, "Malicious Code Free design" (to be certified by OEM)
	Security Features-2	Provision for Cryptographic firmware updates,Capability to stop execution of Application/Hypervisor/ Operating System on predefined security breach,Secure /Automatic BIOS recovery,Network Card secure firmware boot,In case of any security breach system should provide the lock down feature	*
	Server scalability to be achieved within the box & without adding nodes	NA	*
	support for high availability clustering and virtualization	No	*
Generic	Redundant Power Supply	Yes	*
	Hot Swappable (Redundant Power Supply)	Yes	*
	<b>Power Supply Efficiency</b>	Platinum	Platinum, Titanium Or higher
	Redundant Fan	Yes	*
	Hot Swappable (Redundant Fan)	Yes	*
	Server Main Supply	230 +/- 10%Vac	*
Benchmark	<b>SPEC int_rate_base 2017 for the product (must be available on SPEC dot ORG before evaluation)</b>	0	More than 0.0 Or higher
	<b>SPEC fp_rate_2017 for the product (must be available on SPEC dot ORG before evaluation)</b>	0	More than 0.0 Or higher
	SPEC int_speed_base 2017 for the product (must be available on SPEC dot ORG before evaluation)	0	*
	SPEC fp_speed_2017 for the product (must be available on SPEC dot ORG before evaluation)	0	*
Miscellaneous	Maximum power consumption of the system (Watts)	500	*
	BIS Registration under CRS of MeitY	Yes	*



BIS Registration Number Under CRS of MeitY and its validity	-	*
Other Certifications Available	UL,CE,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	No	*
a) Dry heat:test - for 16 hrs at 45 deg C as per IS: 9000/pt-3/sec-5/1977 b) Cold test - for 4 hrs at 0 deg C as per IS: 9000/pt-2/sec-4/1977 c) Damp Heat Cyclic Test - for 2 cycles of 24 hrs at 40 deg C & 95% RH as per IS: 9000/pt-5/sec-1/1981	NA	*
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	NA	*
Test Report Number & date	-	*
Name & Address of Lab	-	*
Scope of Supply	Installation and Commissioning shall be included in the scope of supply	Yes
Warranty	<b>On Site OEM Warranty (Year)</b>	3
		3, 4, 5, 7 Or higher

\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	John Albert K	411008,Indian Institute of Science Education and Research, Pune (IISER) Dr.Homi Bhabha Road , Pashan, Pune Email: purchase@iiserpune.ac.in For	6	30

Delivery Status: 020 2590 8169  
 For Payment Status: 020 2590  
 8180/8452

## Server ( 2 pieces )

### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Chassis	Form Factor	Rack	*
	Size (RU)	2	*
Processor	Processor Architecture	CISC(X86)	*
	<b>Processor Make</b>	Intel	Intel
	<b>Number of Cores per Processor</b>	8	8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 64, 11, 48 Or higher
	<b>Processor Base Frequency (GHz)</b>	2.1	2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 3, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 4 Or higher
	Processor Turbo Frequency (GHz)	3.2	*
	<b>Total Cache (L1+L2+L3)(MB)</b>	11	11.0 - 256.0 Or higher
	Processor Description/ Number	Intel Xeon Silver 4208	*
Motherboard	Chipset compatible with CPU	Intel C621	*
	Expansion Slots Gen 3 (PCIe x1)	0	*
	Expansion Slots Gen 3 (PCIe x4)	0	*
	Expansion Slots Gen 3 (PCIe x8)	1	*
	Expansion Slots Gen 3 (PCIe x16)	1	*
	<b>Maximum number of Sockets available on Server</b>	2	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Or higher
	<b>Maximum number of Sockets populated with Processors available on Server</b>	1	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Or higher
Co Processor / GPU	<b>Availability of Co Processor /GPU</b>	No	Yes, No Or higher
	If Yes, Maximum Number of Slots available for Co-Processor/GPU	0	*
	If Yes, Maximum Number of slots populated with Co	0	*

	processor/GPU		
	If Yes, Co Processor /GPU Description	NA	*
Memory	<b>Type of RAM</b>	DDR4 SDRAM with ECC	DDR4 SDRAM with ECC
	Total Number of DIMM Slots available	12	*
	Number of DIMM Slots populated with DDR SDRAM	8	*
	Number of DIMM Slots populated with DDR NVRAM	0	*
	<b>DDR SDRAM Size(GB)</b>	256	256.0 - 6144.0 Or higher
	<b>DDR NVRAM Size (GB)</b>	0	0.0 - 1600.0 Or higher
	DDR SDRAM upgradable upto using spare DIMM Slots (GB)	128	*
	DDR NVRAM upgradable upto using spare DIMM Slots (GB)	0	*
SSD Storage	<b>Type of Interface for SSD</b>	SATA	SATA
	Type of SATA SSD	Read Intensive	*
	SATA SSD Hot Swappable	Yes	*
	Endurance for SATA SSD (DWPD - Drive Writes Per Day) (X)	0	*
	Total Number of Slots available for SATA SSD	2	*
	Number of Slot Populated with SATA SSD	2	*
	Capacity offered per SATA SSD (GB)	480	*
	<b>Total Capacity Offered with SATA SSD (GB)</b>	960	More than 960.0 Or higher
	Type of SAS SSD	NA	*
	SAS SSD Hot Swappable	NA	*
	Endurance for SAS SSD (DWPD - Drive Writes Per Day) (X)	0	*
	Total Number of Slots available for SAS SSD	0	*
	Number of Slots populated with SAS SSD	0	*
	Capacity Offered per SAS SSD (GB)	0	*
	<b>Total Capacity Offered with SAS SSD (GB)</b>	0	More than 0.0 Or higher
	Type of NVMe SSD	NA	*

	NVMe SSD Hot Swappable	NA	*
	Endurance for NVMe SSD (DWPD - Drive Writes Per Day) (X)	0	*
	Total Number of Slots available for NVMe SSD	0	*
	Number of Slots populated with NVMe SSD	0	*
	Capacity Offered per NVMe SSD (GB)	0	*
	<b>Total Capacity Offered with NVMe SSD (GB)</b>	0	More than 0.0 Or higher
HDD Storage	<b>Type of Interface for Hard Disk Drive</b>	SATA	SATA
	Total number of Slots available for SATA Drive	6	*
	Number of Slots populated with SATA Drive	6	*
	Capacity offered per SATA Drive (GB)	4000	*
	SATA drive speed (hot plug or better) (RPM)	7200	*
	<b>Total Storage Capacity offered with SATA Drive (GB)</b>	24000	More than 24000.0 Or higher
	Total number of slots available for SAS drive	0	*
	Number of Slots populated with SAS Drive	0	*
	Capacity offered per SAS Drive (GB)	0	*
	SAS drive Speed (Hot plug or better) (RPM)	NA	*
	<b>Total Storage Capacity offered with SAS Drive (GB)</b>	0	More than 0.0 Or higher
	Total number of slots available for NL SAS drive	0	*
	Number of Slots populated with NL SAS Drive	0	*
	Capacity offered per NL SAS Drive	0	*
	NL SAS drive speed (hot plug or better) (RPM)	NA	*
	<b>Total Storage Capacity offered with NL SAS Drive (GB)</b>	0	More than 0.0 Or higher

RAID	RAID level	1,5,6,0	*
	<b>No of RAID Controller Ports</b>	8	8 Or higher
	<b>Speed of RAID Controller Ports (Gbps)</b>	12	12 Or higher
	RAID Controller Cache (GB)	2	*
Ports & Interfaces	Network Card Supported	1G	*
	<b>Number of Networking Interface Cards (LAN)</b>	1	2, 3, 4, 5, 6, 7, 8, 1 Or higher
	Whether Network Interface Card Embedded	Yes	*
	<b>Total Number of Ethernet Ports required in Server</b>	4x1G	4x1G
	Networking Interface Card Features	Asset Feature Tracking,Security Management	*
	Server Network Ports should Support SR-IOV Feature	No	*
	Server network ports should support DPDK and it should deliver zero packet loss as per RFC 2544 and deliver 100% line rate for all the packet sizes over 64 Bytes, Vendor to submit latest DPDK test report for the same	No	*
	<b>Number of Single port FC HBA card</b>	0	0, 1, 2, 3, 4 Or higher
	<b>Number of Dual port FC HBA card</b>	0	0, 1, 2, 3, 4 Or higher
	<b>Number of Quad port FC HBA card</b>	0	0, 1, 2, 3, 4 Or higher
	<b>FC HBA Speed (Gbps)</b>	NA	8, 16, 32, NA Or higher
	vHBA Card Features Supported	No	*
	<b>Number of Converged Network Adaptor (CNA)</b>	0	0, 1, 2, 3, 4 Or higher
	<b>Number of Ports per CNA card</b>	NA	Dual Port, Quad Port, NA Or higher
	<b>CNA Port Speed (Gbps)</b>	0	10, 25, 40, 50, 100, 200, 0 Or higher
	<b>Length of LC-LC Cable per SFP+ Port (meter)</b>	0	5, 10, 15, 0 Or higher
	<b>Length of LC-LC Cable per HBA Port (meter)</b>	0	5, 10, 15, 0 Or higher
<b>Length of LC-LC Cable</b>	0	5, 10, 15, 0 Or higher	

	<b>per CNA Port (meter)</b>		
	Length of Twinax Breakout Cables per Port (meter)	0	*
	Video Controller (support VGA or above resolution)	Yes	*
	Keyboard Port	No	*
	Mouse Port	No	*
	DVD ROM (Internal/Exrternal)	No	*
	USB Ports (version 2point0/3point0)	5	*
	Total number of Spare Bays Available for Future Upgradation (Internal)	0	*
	Total number of Spare Bays Available for Future Upgradation (Hot Plugable)	0	*
Certifications	<b>Certifications/Compliance (OS)</b>	Windows,Red Hat Linux	Windows, Red Hat Linux
	Certification/Compliance (Virtualization/Cloud Platform)	VM ware,HyperV,Red Hat Virtualization	*
Features	<b>Management Features-1</b>	Remoter power On/ Shutdown of server,,Remote Management of Server over LAN & WAN with SSL encryption through gigabit management port,,Should have virtual Media support with all required licenses.,Remote KVM,Server Health Logging,Out of Band Management	Remoter power On/ Shutdown of server,, Remote Management of Server over LAN & WAN with SSL encryption through gigabit management port,, Should have virtual Media support with all required licenses., Remote KVM, Server Health Logging, Out of Band Management
	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 filter 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	*

		<p>Servers simultaneously, Platform inventory and health status, Server utilization statistics collection (including firmware 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 flexible to select name for dashboards and widgets (viz. health, utilization etc), Real-time out-of-band hardware performance monitoring &amp; alerting</p>	
	<b>Security Features-1</b>	<p>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, "Malicious Code Free design" (to be certified by OEM)</p>	<p>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, "Malicious Code Free design" (to be certified by OEM)</p>
	Security Features-2	<p>Provision for Cryptographic firmware updates, Capability to stop execution of Application/Hypervisor/ Operating System on predefined security breach, Secure /Automatic BIOS recovery, Network Card secure firmware boot, In case of any security breach system should provide the lock down feature</p>	*
	Server scalability to be achieved within the box & without adding nodes	NA	*
	support for high availability clustering and virtualization	No	*
Generic	Redundant Power Supply	Yes	*
	Hot Swappable (Redundant Power	Yes	*

	Supply)		
	<b>Power Supply Efficiency</b>	Platinum	Platinum, Titanium Or higher
	Redundant Fan	Yes	*
	Hot Swappable (Redundant Fan)	Yes	*
	Server Main Supply	230 +/- 10%Vac	*
Benchmark	<b>SPEC int_rate_base 2017 for the product (must be available on SPEC dot ORG before evaluation)</b>	0	More than 0.0 Or higher
	<b>SPEC fp_rate_2017 for the product (must be available on SPEC dot ORG before evaluation)</b>	0	More than 0.0 Or higher
	SPEC int_speed_base 2017 for the product (must be available on SPEC dot ORG before evaluation)	0	*
	SPEC fp_speed_2017 for the product (must be available on SPEC dot ORG before evaluation)	0	*
Miscellaneous	Maximum power consumption of the system (Watts)	500	*
	BIS Registration under CRS of MeitY	Yes	*
	BIS Registration Number Under CRS of MeitY and its validity	-	*
	Other Certifications Available	UL,CE,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	No	*
	a) Dry heat:test - for 16 hrs at 45 deg C as per IS: 9000/pt-3/sec-5/1977 b) Cold test - for 4 hrs at 0 deg C as per IS: 9000/pt-2/sec-4/1977 c) Damp Heat Cyclic Test - for 2 cycles of 24 hrs at 40 deg C & 95% RH as per IS: 9000/pt-5/sec-1/1981	NA	*



	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	NA	*
	Test Report Number & date	-	*
	Name & Address of Lab	-	*
Scope of Supply	Installation and Commissioning shall be included in the scope of supply	Yes	*
Warranty	<b>On Site OEM Warranty (Year)</b>	3	3, 4, 5, 7 Or higher

\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	John Albert K	411008,Indian Institute of Science Education and Research, Pune (IISER) Dr.Homi Bhabha Road , Pashan, Pune Email: purchase@iiserpune.ac.in For Delivery Status: 020 2590 8169 For Payment Status: 020 2590 8180/8452	2	30

#### Bid Specific Additional Terms and Conditions

- 1.Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
- 2.Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address Indian Institute of Science Education and Research Pune Dr. Homi Bhabha Road, Pashan Pune 411008 Maharashtra.
- 3.Bidders can also submit the EMD with Account Payee Demand Draft in favour of Director Indian Institute of Science Education and Research Pune payable at Pune.  
Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.
- 4.Bidders can also submit the EMD with Payment online through RTGS / internet banking in Beneficiary name Director Indian Institute of Science Education and Research Pune Account No. 30042605732 IFSC Code SBIN0003552 Bank Name State Bank of India Branch address NCL Campus Branch, Pune 411008.  
Bidder to indicate bid number and name of bidding entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer along with bid.
- 5.**Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.
- 6.**Upload Manufacturer authorization:** Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.
- 7.Bidders shall quote only those products in the bid which are not obsolete in the market and has at least 5 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.

8. Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
9. Buyer reserves the right to postpone schedule of material supply after finalisation of order by 6 months without any additional cost implication.
10. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
11. Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.
12. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
13. Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.
14. For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:
  - a. Purchase Order copy along with Invoice(s) with self-certification by the bidder that supplies against the invoices have been executed.
  - b. Execution certificate by client with order value.
  - c. Any other document in support of order execution like Third Party Inspection release note, etc.
15. IT equipment shall be IPv6 ready from day one.
16. Loading and Unloading at yard will be under the scope of the supplier.

17. Malicious Code Certificate:

The seller should upload following certificate in the bid:-

(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-

- (i) Inhibit the desires and designed function of the equipment.
- (ii) Cause physical damage to the user or equipment during the exploitation.
- (iii) Tap information resident or transient in the equipment/network.

(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

18. Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.
19. OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.
20. Products supplied shall be nontoxic and harmless to health. In the case of toxic materials, Material Safety Data Sheet may be furnished along with the material.
21. Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)
22. Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of Director Indian Institute of Science Education and Research Pune payable at PUNE . After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.
23. Successful Bidder can submit the Performance Security in the form of Payment online through RTGS / internet banking also (besides PBG which is allowed as per GeM GTC). On-line payment shall be in Beneficiary name Director Indian Institute of Science Education and Research Pune Account No. 30042605732 IFSC Code SBIN0003552 Bank Name State Bank of India Branch address NCL Campus Branch, PUNE 411008. Successful Bidder to indicate Contract number and name of Seller entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer in place of PBG within 15 days of award of contract.
24. The buyer organization is an institution eligible for concessional rates of GST as notified by the Government of India. The goods for which bids have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. A certificate to this effect will be issued by Buyer to the Seller after award of the Contract. Sellers are requested to submit their bids after accounting for the Concessional rate of GST.  
 Applicable Concessional rate of GST : 5%  
 Notification No. and date : The rate of GST applicable to IISER Pune is 5% for the items procured for Research purpose as per Notification No. 45/2017-Central Tax (Rate) New Delhi, 14th November, 2017 and Notification No. 47/2017-Integrated Tax (Rate) New Delhi, 14th November, 2017 dated 14/11/2017

25. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 7 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.
26. The Bidder / OEM {themselves or through reseller(s)}, should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:
- (i) Single order of at least 35% of estimated bid value; or
  - (ii) Two orders of at least 20% each of estimated bid value; or
  - (iii) Three orders of at least 15% each of estimated bid value.
- Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders should be uploaded with bid. In case of bunch bids, the Category related to primary product having highest bid value should meet this criterion
27. The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.
28. The successful bidder has to supply all essential accessories required for the successful installation and commissioning of the goods supplied. Besides standard accessories as per normal industry practice, following accessories must be part of supply and cost should be included in bid price: 8 Port KVM Switch (Quantity-02 Nos) Specifications-8xRJ45 KVM Ports, up to 1920 x 1200 Resolution support, Multi platform support (for windows, Mac, Linux), 1 LAN Management port for remote user with 8 cables for connection between KVM and Server, Minimum 18.5" Monitor with USB Mouse and Keyboard .
29. Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.
30. Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.
31. To be eligible for award of contract, Bidder / OEM must possess following Certificates / Test Reports on the date of bid opening (to be uploaded with bid): BIS certificate under CRS of Meity for the exact same model of item/product offered , UL and ROHS .
- 32.1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.  
 2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.  
 3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.
33. Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:
- i) The Seller fails to comply with any material term of the Contract.
  - ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
  - iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
  - iv) The Seller becomes bankrupt or goes into liquidation.
  - v) The Seller makes a general assignment for the benefit of creditors.
  - vi) A receiver is appointed for any substantial property owned by the Seller.
  - vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.
34. Warranty period of the supplied products shall be 3 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid
35. While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

[This Bid is also governed by the General Terms and Conditions](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for

immediate termination of the contract and further legal action in accordance with the laws.

**---Thank You---**