

	Required Minimum Specifications	Bidder's compliance	Bidder's
",	Annexure 14 A – Rack Server Type A"	(Yes / No)	remarks
Hardware	Make & Model of Rack Server –		
Form Factor	2U / 4U Rack Mountable		
СРИ	Intel Platinum 81xx Series Family Processors / Intel Gold		
CPU	61xx Series Family Processors		
CPU Frequency	Min. 2.0 GHz Clock Speed scalable to Max. 3.6 GHz Clock		
	Speed or equivalent or higher.		
Cores	Min. 4 Cores scalable to Max. 28 Cores per CPU (socket)		
No. of CPU	Min. 2 (Two) scalable to Max. 4 (Four)		
CPU Expandability	Capable to accommodate 4 processor		
Chipset	Latest Server class compatible chipset		
Cache	Min. 13.75 MB L3 Cache scalable to Max. 38.50 MB L3		
	Cache or equivalent or higher.		
Memory	Min. 64 GB DDR4 or higher with 2400 / 2666 MT/sec		
Memory	Expandable to Min. 768 GB per CPU (socket) scalable to		
Expandability	Max. 1.5 TB		
Memory Slot	Min. 12 DIMM Slots per CPU (socket)		
Hand Diele Duice	Min. 300 GB scalable to Max. 1.8 TB - Hot Plug HDD SFF		
Hard Disk Drive	SAS / SSD / SATA drives. HDD with 10K or higher RPM		
Hard Disk Drive	(Make - OEM).		
Expandability	Expandable to Min. 14.4 TB		
Hard Disk Drive Slot	Min. 8 Hot Plug HDD SFF SAS / SSD / SATA drive bays		
Tidi di Diok Diive olot	Integrated PCIe 3.0 based Hardware RAID Controller		
Storage Controller	with Min 2 GB cache with capacitor based backup and		
· ·	should support RAID 0, 1, 1+0, 5		
	Min. 2 Ethernet Card, each with Min. 4 nos. of 1 GBPS /		
Network Controller	Min. 2 nos. of 10 GBPS Network Interface Ports with		
	required SFPs / Cables		
PCI Slots	Min. 6 PCle 3.0 Slot		
HBA Card	Min. 2 FC HBA Card (8GB / 16GB / 32GB), each with		
	Single / Dual Port FC HBA		
CD / DVD Drive	Internal / External 16X DVD+/-RW with Dual Layer Write		
	Capability		
I/O Interface	Min. 2 USB 3.0 Port, Min. 1 VGA Port, Min. 1 Serial Port		
Graphics	Integrated Video Standard, Video modes up to 1920 x 1200 @ 60Hz, Min. 16MB Video Memory		
	n + 1 or higher redundant hot swappable Power Supply		
Power Supply & Fans	units and n + 1 or higher redundant hot swappable Fan		
Torrer suppry a runs	Modules (where n > 1)		
	System remote management should support browser		
	based Graphical Remote Console & Virtual Power		
	Button.		
	Should be possible to manage the servers and get access		<u> </u>
Remote Management	to critical information about the health of the server		
	from any remote location with just the help of a		
	standard Web browser		
	Remote boot using USB / CD / DVD Drive and should be		
	capable to offer upgrade of software and patches from a		
	remote client using Media / Image / Folder server power		
	capping and historical reporting should have support for		



	multifactor authentication.		
	Should be possible to remotely manage each rack server		
	individually.		
	Should support access rights for administrators for each		
	rack server individually.		
	Server should support agentless management using the		
	out-of-band remote management port instead of OS and		
	SNMP port on the OS. This will enable zero downtime		
	updates.		
	The server should support features which monitors and		
	records changes in the server hardware and system		
	configuration.		
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	The Systems Management software should provide Role		
	based security.		
	The Server Management Software should be of the OEM		
	make as of the server supplier.		
	Should support scheduled execution of OS commands,		
	batch files, scripts, and command line apps on remote		
	nodes.		
	Should help to proactively identify out-of-date BIOS,		
	drivers, and Server Management agents and enable the		
	remote update of system software/firmware		
	components.		
Server Management	Should help provide proactive notification of actual or		
	impending component failure alerts on critical		
	components like CPU, Memory and HDD.		
	Should support automatic event handling that allows		
	configuring policies to notify failures via e-mail, pager, or		
	SMS gateway or automatic execution of scripts.		
	Should be able to perform comprehensive system data		
	collection and enable users to quickly produce detailed		
	inventory reports for managed devices.		
	Should support the reports to be saved in HTML, CSV or		
	XML format.		
	Should be compatible with Banks HP Open View Tool.		
	Boot Password, Power-on password, Serial interface		
Security	control, Administrator's password, TPM 2.0, UEFI.		
	Microsoft® Logo certifications, USB 3.0 Support, IEEE		
	(specific IEEE standards depending on Ethernet adapter		
	card(s) installed), PCIe 3.0 Compliant, TPM 2.0 Support,		
Compliance	SSL 2.0, Active Directory v1.0, ACPI 6.1 Compliant, IPMI		
	2.0, Secure Digital 2.0, Advanced Encryption Standard		
	(AES), Triple Data Encryption Standard (3DES), SNMP,		
	ASHRAE A3, DMTF Systems Management Architecture		
	for Server Hardware Command Line Protocol (SMASH		
Operation Contains	CLP) Mingaget Window Sarver Red Het Enterprise Linux		
Operating System	Microsoft Window Server, Red Hat Enterprise Linux		
Certification	(RHEL), SUSE Linux Enterprise Server (SLES)		
Virtualization Software Support	VMware, Microsoft Hyper-V, Red Hat KVM		
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u	Required Minimum Specifications Annexure 14 B – Rack Server Type B"	Bidder's compliance (Yes / No)	Bidder's remarks
Hardware	Make & Model of Rack Server –	(fes / No)	
Form Factor	2U / 4U Rack Mountable		
roilli ractoi	Intel Platinum 81xx Series Family Processors / Intel Gold		
CPU	61xx Series Family Processors / Intel Silver 41xx Series		
C. C	Family Processors		
CDLI Francisco	Min. 1.8 GHz Clock Speed scalable to Max. 3.6 GHz Clock		
CPU Frequency	Speed or equivalent or higher.		
Cores	Min. 4 Cores scalable to Max. 28 Cores per CPU (socket)		
No. of CPU	Min. 1 (One) scalable to Max. 2 (Two)		
CPU Expandability	Capable to accommodate 2 processor		
Chipset	Latest Server class compatible chipset		
Cache	Min. 8.25 MB L3 Cache scalable to Max. 38.50 MB L3		
Cacile	Cache or equivalent or higher.		
Memory	Min. 32 GB DDR4 or higher with 2400 / 2666 MT/sec		
Memory	Expandable to Min. 768 GB per CPU (socket) scalable to		
Expandability	Max. 1.5 TB		
Memory Slot	Min. 12 DIMM Slots per CPU (socket)		
	Min. 300 GB scalable to Max. 1.8 TB - Hot Plug HDD SFF		
Hard Disk Drive	SAS / SSD / SATA drives. HDD with 10K or higher RPM		
Hard Disk Drive	(Make - OEM).		
Expandability	Expandable to Min. 14.4 TB		
Hard Disk Drive Slot	Min. 8 Hot Plug HDD SFF SAS / SSD / SATA drive bays		
Tidia Disk Diffe slot	Integrated PCIe 3.0 based Hardware RAID Controller		
Storage Controller	with Min. 2 GB cache with capacitor based backup and		
J	should support RAID 0, 1, 1+0, 5		
	Min. 2 Ethernet Card, each with Min. 4 nos. of 1 GBPS /		
Network Controller	Min. 2 nos. of 10 GBPS Network Interface Ports with		
	required SFPs / Cables		
PCI Slots	Min. 6 PCle 3.0 Slot		
HBA Card	Min. 2 FC HBA Card (8GB / 16GB / 32GB), each with		
	Single / Dual Port FC HBA		
CD / DVD Drive	Internal / External 16X DVD+/-RW with Dual Layer Write		
I/O Interface	Capability Min 2 USB 2 0 Port Min 1 VCA Port Min 1 Social Port		
1/O Interrace	Min. 2 USB 3.0 Port, Min. 1 VGA Port, Min. 1 Serial Port Integrated Video Standard, Video modes up to 1920 x		
Graphics	1200 @ 60Hz, Min. 16MB Video Memory		
	n + 1 or higher redundant hot swappable Power Supply		
Power Supply & Fans	units and $n + 1$ or higher redundant hot swappable Fan		
топостопри, от тапо	Modules (where n > 1)		
	System remote management should support browser		
	based Graphical Remote Console & Virtual Power		
	Button.		
	Should be possible to manage the servers and get access		
Remote	to critical information about the health of the server		
Management	from any remote location with just the help of a		
	standard Web browser		
	Remote boot using USB / CD / DVD Drive and should be		
	capable to offer upgrade of software and patches from a		
	remote client using Media / Image / Folder server power		



	individually. Should support access rights for administrators for each	
	rack server individually.	
	Server should support agentless management using the	
	out-of-band remote management port instead of OS and	
	SNMP port on the OS. This will enable zero downtime	
	updates.	
	The server should support features which monitors and records changes in the server hardware and system	
	configuration.	
	The Systems Management software should provide Role	
	based security.	
	The Server Management Software should be of the OEM	
	make as of the server supplier.	
	Should support scheduled execution of OS commands,	
	batch files, scripts, and command line apps on remote nodes.	
	Should help to proactively identify out-of-date BIOS,	
	drivers, and Server Management agents and enable the	
	remote update of system software/firmware	
	components.	
Server Management	Should help provide proactive notification of actual or	
_	impending component failure alerts on critical	
	components like CPU, Memory and HDD.	
	Should support automatic event handling that allows	
	configuring policies to notify failures via e-mail, pager, or	
	SMS gateway or automatic execution of scripts.	
	Should be able to perform comprehensive system data	
	collection and enable users to quickly produce detailed	
	inventory reports for managed devices. Should support the reports to be saved in HTML, CSV or	
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	LXML format.	
	XML format. Should be compatible with Banks HP Open View Tool.	
	Should be compatible with Banks HP Open View Tool.	
Security		
Security	Should be compatible with Banks HP Open View Tool. Boot Password, Power-on password, Serial interface	
Security	Should be compatible with Banks HP Open View Tool. Boot Password, Power-on password, Serial interface control, Administrator's password, TPM 2.0, UEFI.	
Security	Should be compatible with Banks HP Open View Tool. Boot Password, Power-on password, Serial interface control, Administrator's password, TPM 2.0, UEFI. Microsoft® Logo certifications, USB 3.0 Support, IEEE (specific IEEE standards depending on Ethernet adapter card(s) installed), PCIe 3.0 Compliant, TPM 2.0 Support,	
-	Should be compatible with Banks HP Open View Tool. Boot Password, Power-on password, Serial interface control, Administrator's password, TPM 2.0, UEFI. Microsoft® Logo certifications, USB 3.0 Support, IEEE (specific IEEE standards depending on Ethernet adapter card(s) installed), PCIe 3.0 Compliant, TPM 2.0 Support, SSL 2.0, Active Directory v1.0, ACPI 6.1 Compliant, IPMI	
Security Compliance	Should be compatible with Banks HP Open View Tool. Boot Password, Power-on password, Serial interface control, Administrator's password, TPM 2.0, UEFI. Microsoft® Logo certifications, USB 3.0 Support, IEEE (specific IEEE standards depending on Ethernet adapter card(s) installed), PCIe 3.0 Compliant, TPM 2.0 Support, SSL 2.0, Active Directory v1.0, ACPI 6.1 Compliant, IPMI 2.0, Secure Digital 2.0, Advanced Encryption Standard	
	Should be compatible with Banks HP Open View Tool. Boot Password, Power-on password, Serial interface control, Administrator's password, TPM 2.0, UEFI. Microsoft® Logo certifications, USB 3.0 Support, IEEE (specific IEEE standards depending on Ethernet adapter card(s) installed), PCle 3.0 Compliant, TPM 2.0 Support, SSL 2.0, Active Directory v1.0, ACPI 6.1 Compliant, IPMI 2.0, Secure Digital 2.0, Advanced Encryption Standard (AES), Triple Data Encryption Standard (3DES), SNMP,	
	Should be compatible with Banks HP Open View Tool. Boot Password, Power-on password, Serial interface control, Administrator's password, TPM 2.0, UEFI. Microsoft® Logo certifications, USB 3.0 Support, IEEE (specific IEEE standards depending on Ethernet adapter card(s) installed), PCIe 3.0 Compliant, TPM 2.0 Support, SSL 2.0, Active Directory v1.0, ACPI 6.1 Compliant, IPMI 2.0, Secure Digital 2.0, Advanced Encryption Standard (AES), Triple Data Encryption Standard (3DES), SNMP, ASHRAE A3, DMTF Systems Management Architecture	
-	Should be compatible with Banks HP Open View Tool. Boot Password, Power-on password, Serial interface control, Administrator's password, TPM 2.0, UEFI. Microsoft® Logo certifications, USB 3.0 Support, IEEE (specific IEEE standards depending on Ethernet adapter card(s) installed), PCle 3.0 Compliant, TPM 2.0 Support, SSL 2.0, Active Directory v1.0, ACPI 6.1 Compliant, IPMI 2.0, Secure Digital 2.0, Advanced Encryption Standard (AES), Triple Data Encryption Standard (3DES), SNMP, ASHRAE A3, DMTF Systems Management Architecture for Server Hardware Command Line Protocol (SMASH	
Compliance	Should be compatible with Banks HP Open View Tool. Boot Password, Power-on password, Serial interface control, Administrator's password, TPM 2.0, UEFI. Microsoft® Logo certifications, USB 3.0 Support, IEEE (specific IEEE standards depending on Ethernet adapter card(s) installed), PCle 3.0 Compliant, TPM 2.0 Support, SSL 2.0, Active Directory v1.0, ACPI 6.1 Compliant, IPMI 2.0, Secure Digital 2.0, Advanced Encryption Standard (AES), Triple Data Encryption Standard (3DES), SNMP, ASHRAE A3, DMTF Systems Management Architecture for Server Hardware Command Line Protocol (SMASH CLP)	
	Should be compatible with Banks HP Open View Tool. Boot Password, Power-on password, Serial interface control, Administrator's password, TPM 2.0, UEFI. Microsoft® Logo certifications, USB 3.0 Support, IEEE (specific IEEE standards depending on Ethernet adapter card(s) installed), PCle 3.0 Compliant, TPM 2.0 Support, SSL 2.0, Active Directory v1.0, ACPI 6.1 Compliant, IPMI 2.0, Secure Digital 2.0, Advanced Encryption Standard (AES), Triple Data Encryption Standard (3DES), SNMP, ASHRAE A3, DMTF Systems Management Architecture for Server Hardware Command Line Protocol (SMASH	
Compliance Operating System	Should be compatible with Banks HP Open View Tool. Boot Password, Power-on password, Serial interface control, Administrator's password, TPM 2.0, UEFI. Microsoft® Logo certifications, USB 3.0 Support, IEEE (specific IEEE standards depending on Ethernet adapter card(s) installed), PCle 3.0 Compliant, TPM 2.0 Support, SSL 2.0, Active Directory v1.0, ACPI 6.1 Compliant, IPMI 2.0, Secure Digital 2.0, Advanced Encryption Standard (AES), Triple Data Encryption Standard (3DES), SNMP, ASHRAE A3, DMTF Systems Management Architecture for Server Hardware Command Line Protocol (SMASH CLP) Microsoft Window Server, Red Hat Enterprise Linux	



		Bidder's	
и	Required Minimum Specifications Annexure 14 C – Blade Server Type A"	compliance (Yes / No)	Bidder's remarks
Hardware	Make & Model of Blade Server –		
Form Factor	Full / Half Height Blade		
СРИ	Intel Platinum 81xx Series Family Processors / Intel Gold		
CPU	61xx Series Family Processors		
CPU Frequency	Min. 2.0 GHz Clock Speed scalable to Max. 3.6 GHz Clock Speed or equivalent or higher.		
Cores	Min. 4 Cores scalable to Max. 28 Cores per CPU (socket)		
No. of CPU	Min. 2 (Two) scalable to Max. 4 (Four)		
CPU Expandability	Capable to accommodate 4 processor		
Chipset	Latest Server class compatible chipset		
<u> </u>	Min. 13.75 MB L3 Cache scalable to Max. 38.50 MB L3		
Cache	Cache or equivalent or higher.		
Memory	Min. 64 GB DDR4 or higher with 2400 / 2666 MT/sec		
Memory	Expandable to Min. 768 GB per CPU (socket) scalable to		
Expandability	Max. 1.5 TB		
Memory Slot	Min. 12 DIMM Slots per CPU (socket)		
Hard Disk Drive	Min. 300 GB scalable to Max. 1.8 TB - Hot Plug HDD SFF SAS / SSD / SATA drives. HDD with 10K or higher RPM (Make - OEM).		
Hard Disk Drive Expandability	Expandable to Min. 3.6 TB		
Hard Disk Drive Slot	Min. 2 Hot Plug HDD SFF SAS / SSD / SATA drive bays		
Storage Controller	Integrated PCIe 3.0 based Hardware RAID Controller with Min 1 GB cache with capacitor based backup and should support RAID 0, 1, 1+0.		
Network Controller & HBA Card	The Blade should offer 40G (4 x 10G or 2 x 20G) converged FCoE cards or higher with NIC partition of min 3 x Ethernet and 1 X FC Partition		
PCI Slots	Min. 2 PCle 3.0 Slot		
I/O Interface	Min. 1 USB Port, Min. 1 I/O Port		
Graphics	Integrated Video Controller, Video modes up to 1920 x 1200, Min. 16MB Video Memory		
	System remote management should support browser based Graphical Remote Console & Virtual Power Button. Should be possible to manage the servers and get access to critical information about the health of the server from any remote lossition with just the hole of a		
	from any remote location with just the help of a standard Web browser Remote boot using USB / CD / DVD Drive and should be		
Remote Management	capable to offer upgrade of software and patches from a remote client using Media / Image / Folder server power capping and historical reporting should have support for multifactor authentication. Should be possible to remotely manage each rack server		
	individually. Should support access rights for administrators for each rack server individually. Server should support agentless management using the out-of-band remote management port instead of OS and		



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	SNMP port on the OS. This will enable zero downtime updates.	
	The server should support features which monitors and	
	records changes in the server hardware and system configuration.	
	The Systems Management software should provide Role	
	based security.	
	The Server Management Software should be of the OEM make as of the server supplier.	
	Should support scheduled execution of OS commands,	
	batch files, scripts, and command line apps on remote	
	nodes.	
	Should help to proactively identify out-of-date BIOS,	
	drivers, and Server Management agents and enable the	
	remote update of system software/firmware	
	components.	
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Server Management	Should help provide proactive notification of actual or	
	impending component failure alerts on critical	
	components like CPU, Memory and HDD.	
	Should support automatic event handling that allows	
	configuring policies to notify failures via e-mail, pager, or	
	SMS gateway or automatic execution of scripts.	
	Should be able to perform comprehensive system data	
	collection and enable users to quickly produce detailed	
	inventory reports for managed devices.	
	Should support the reports to be saved in HTML, CSV or	
	XML format.	
	Should be compatible with Banks HP Open View Tool.	
Security	Boot Password, Power-on password, Serial interface	
	control, Administrator's password, TPM 2.0, UEFI.	
	Microsoft® Logo certifications, USB 3.0 Support, IEEE	
	(specific IEEE standards depending on Ethernet adapter	
	card(s) installed), PCIe 3.0 Compliant, TPM 2.0 Support,	
	SSL 2.0, Active Directory v1.0, ACPI 6.1 Compliant, IPMI	
Compliance	2.0, Secure Digital 2.0, Advanced Encryption Standard	
	(AES), Triple Data Encryption Standard (3DES), SNMP,	
	ASHRAE A3, DMTF Systems Management Architecture	
	for Server Hardware Command Line Protocol (SMASH	
	CLP)	
Operating System	Microsoft Window Server, Red Hat Enterprise Linux	
Certification	(RHEL), SUSE Linux Enterprise Server (SLES)	
Virtualization	VMware, Microsoft Hyper-V, Red Hat KVM	
Software Support	Visitare, inicrosore riyper v, neu riat kvivi	



u	Required Minimum Specifications Annexure 14 D – Blade Server Type B"	Bidder's compliance (Yes / No)	Bidder's remarks
Hardware	Make & Model of Blade Server –	(1637 110)	
Form Factor	Full / Half Height Blade		
101111111111111111111111111111111111111	Intel Platinum 81xx Series Family Processors / Intel Gold		
CPU	61xx Series Family Processors / Intel Silver 41xx Series		
	Family Processors		
CDII Eroguanay	Min. 1.8 GHz Clock Speed scalable to Max. 3.6 GHz Clock		
CPU Frequency	Speed or equivalent or higher.		
Cores	Min. 4 Cores scalable to Max. 26 Cores per CPU (socket)		
No. of CPU	Min. 1 (One) scalable to Max. 2 (Two)		
CPU Expandability	Capable to accommodate 2 processor		
Chipset	Latest Server class compatible chipset		
	Min. 8.25 MB L3 Cache scalable to Max. 35.75 MB L3		
Cache	Cache or equivalent or higher.		
Memory	Min. 32 GB DDR4 or higher with 2400 / 2666 MT/sec		
Memory	Expandable to Min. 768 GB per CPU (socket) scalable to		
Expandability	Max. 1.5 TB		
Memory Slot	Min. 12 DIMM Slots per CPU (socket)		
	Min. 300 GB scalable to Max. 1.8 TB - Hot Plug HDD SFF		
Hard Disk Drive	SAS / SSD / SATA drives. HDD with 10K or higher RPM		
	(Make - OEM).		
Hard Disk Drive	Expandable to Min. 3.6 TB		
Expandability	·		
Hard Disk Drive Slot	Min. 2 Hot Plug HDD SFF SAS / SSD / SATA drive bays		
Chanasa Cantuallan	Integrated PCIe 3.0 based Hardware RAID Controller		
Storage Controller	with Min 1 GB cache with capacitor based backup and should support RAID 0, 1, 1+0.		
	The Blade should offer 40G (4 x 10G or 2 x 20G)		
Network Controller	converged FCoE cards or higher with NIC partition of min		
& HBA Card	3 x Ethernet and 1 X FC Partition		
PCI Slots	Min. 2 PCle 3.0 Slot		
I/O Interface	Min. 1 USB Port, Min. 1 I/O Port		
•	Integrated Video Controller, Video modes up to 1920 x		
Graphics	1200, Min. 16MB Video Memory		
	System remote management should support browser		
	based Graphical Remote Console & Virtual Power		
	Button.		
	Should be possible to manage the servers and get access		
	to critical information about the health of the server		
	from any remote location with just the help of a		
	standard Web browser		
Remote	Remote boot using USB / CD / DVD Drive and should be		
Management	capable to offer upgrade of software and patches from a		
	remote client using Media / Image / Folder server power capping and historical reporting should have support for		
	multifactor authentication.		
	Should be possible to remotely manage each rack server		
	individually.		
	Should support access rights for administrators for each		
	rack server individually.		
	Server should support agentless management using the		



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	out-of-band remote management port instead of OS and		
	SNMP port on the OS. This will enable zero downtime		
	updates.		
	The server should support features which monitors and		
	records changes in the server hardware and system		
	configuration.		
	The Systems Management software should provide Role		
	based security.		
	The Server Management Software should be of the OEM		
	make as of the server supplier.		
	Should support scheduled execution of OS commands,		
	batch files, scripts, and command line apps on remote		
	nodes.		
	Should help to proactively identify out-of-date BIOS,		
	drivers, and Server Management agents and enable the		
	remote update of system software/firmware		
	components.		
Server Management	Should help provide proactive notification of actual or		
Server management	impending component failure alerts on critical		
	components like CPU, Memory and HDD.		
	Should support automatic event handling that allows		
	configuring policies to notify failures via e-mail, pager, or		
	SMS gateway or automatic execution of scripts.		
	Should be able to perform comprehensive system data		
	collection and enable users to quickly produce detailed		
	inventory reports for managed devices.		
	Should support the reports to be saved in HTML, CSV or		
	XML format.		
	Should be compatible with Banks HP Open View Tool.		
	Boot Password, Power-on password, Serial interface		
Security	control, Administrator's password, TPM 2.0, UEFI.		
	Microsoft® Logo certifications, USB 3.0 Support, IEEE		
	(specific IEEE standards depending on Ethernet adapter		
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	card(s) installed), PCle 3.0 Compliant, TPM 2.0 Support,		
Compliance	SSL 2.0, Active Directory v1.0, ACPI 6.1 Compliant, IPMI		
	2.0, Secure Digital 2.0, Advanced Encryption Standard		
	(AES), Triple Data Encryption Standard (3DES), SNMP,		
	ASHRAE A3, DMTF Systems Management Architecture		
	for Server Hardware Command Line Protocol (SMASH		
	CLP)		
Operating System	Microsoft Window Server, Red Hat Enterprise Linux		
Certification	(RHEL), SUSE Linux Enterprise Server (SLES)		
Virtualization			
Software Support	VMware, Microsoft Hyper-V, Red Hat KVM		
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		Bidder's	
"Annexure 14 E	Required Minimum Specifications - Blade Enclosure with Fabric Interconnect (if applicable)"	compliance (Yes / No)	Bidder's remarks
Handers	Make & Model of Blade Enclosure –		
Hardware	Make & Model of Other Hardware (if any) –		
Form Factor	Min. 8 Blade Servers of Half Height Blade Server		
	Should support for full height and half height blades in the		
	same enclosure, occupying a max of 10U rack height.		
	Same enclosure should support Intel Platinum, Gold, Silver or		
	equivalent blade servers.		
	Should support Hot Pluggable & Redundant Management		
Blade Chassis	Modules with onboard KVM functionality.		
Diade Chassis	Should provide a highly reliable and high performance mid-		
	plane / back-plane design in the blade enclosure.		
	Should be able to accommodate the blade servers of		
	specifications mentioned in the proposed Blade Encl.		
	Support simultaneous remote access for different servers in		
	the enclosure.		
	Should support simultaneous housing of FCoE (Converged		
	Switch), Ethernet, FC interconnect fabrics offering Hot		
	Pluggable & Redundancy as a feature. The chassis switch		
	should provide the following uplinks:		
	• 1 x 10G/20G SFP plus Ethernet (redundant) per Blade		
Interconnect	Server (2 Socket).		
	• 2 x 10G/20G SFP plus Ethernet (redundant) per Blade		
	Server (4 Socket).		
	• 1 x 8G/16G FC Connect (redundant) per Blade Server (2		
	Socket).		
	• 2 x 8G/16G FC Connect (redundant) per Blade Server (4 Socket).		
	The enclosure should be populated fully with power supplies		
Power Supply	and should support N + N redundancy configuration, where N		
· ouc. oupp.,	is greater than 1.		
	Each blade enclosure should have a cooling subsystem		
	consisting of redundant hot pluggable fans or blowers		
Cooling	enabled with technologies for improved power consumption		
	and acoustics		
System Software	Management / Controlling Soft have to be from the OEM.		
	Must provide a remote management functionality to operate		
	the server in both in-band and out-of-band. Must be part of		
	the server without the need to install any additional		
	hardware or software.		
	Must have a real time Virtual KVM functionality and be able		
Remote	to perform a remote Power sequence.		
Management	Must have the ability to capture the video sequence of the		
	last failure and the boot sequence and also playback the		
	video capture or equivalent technology.		
	Must have the ability for multiple administrators across remote		
	locations to collaborate on the remote session in a server with		
_	multiple sessions even in server powered OFF mode.		
Power	Must be able to show the actual power usage and actual		
Management	thermal measurement data of the servers.		
High Availability	100% High Availability should be provided for LAN Switching		
	and SAN Switching		