

SL No	Item	Minimum Requirement
1	Brand	Internationally reputed Brand
2	Model	To be mentioned by the bidder
3	Country of origin	To be mentioned by the bidder
4	Manufacturing Country	To be mentioned by the bidder
5	Form factor	3U/ 4U Rack server equipped with guide rails, Cable Management arm & related accessories provided by the manufacturer
6	Processor	Min. Intel® Xeon® Platinum 8253 2.2G, 16C/32T, 10.4GT/s, 22M Cache, Turbo, HT (125W) DDR4-2933
7	Number of Processor	At least Two (02) processor in each server. The server should supported up to Four (04)-processor socket.
8	Chipset	Min. Intel C620 Series chipset or higher
9	Memory	At least 256 GB (Each module capacity not more than 32GB) RDIMM, 2933MT/s, Dual Rank and have expandability up to 512 GB DDR4 memory
10	Memory Slots	Server should have Min. 48 DDR4 memory Slots
11	Hard Disk Drives	At least Five (05) 960GB SSD hard disk. The Server Chassis should support 2.5" and Maximum 24 hard disk drive.
12	RAID Controller	Min. 2 GB Cache supporting RAID Controller
13	RAID Level	Support RAID 0, 1, 5, 6, 10, 50, 60 with super capacitor for power failure protection
14	Graphics Controller	Integrated Graphics standard

15	Network Ports	At least Dual Port 10GbE BASE-T & Dual Port 1GbE BASE-T & Dual Port 10GbE SFP+
16	Fiber Channel Adapter	At least Two (02), Dual port 16 Gb Fiber channel adapter
17	Security features	TPM 1.2/2.0, Cryptographically signed firmware, Secure Boot, System Lockdown, Secure erase
18	Remote Management	Dedicated remote management controller, support enterprise remote management options & features
19	Power supply	At least Two (02), Hot-plug, Redundant Power Supply (1+1), Minimum each 800W efficiency.
20	Fans	At least two module hot-Swappable fan modules supporting N+1 with full redundancy
21	Operating system support	Support mainstream operating system, such as Microsoft® Windows Server®, Novell®, SUSE®, Linux, ESX® AKT and CentOS.
22	Operating system	64 Bit Oracle Linux Operating System, Version 7.8, should be preloaded in the server and include a license for unlimited users.
23	Database Support	Server Must Support Oracle Database 12C, 18C, 19C with DB Cluster, DB Replication and DB security feature. Other SQL and Non-SQL database also supported in specified server.
24	System Management tools and Software with License	System Resource management software and related software tools need to be provided with License. Virtualization software related license should be provided. Please include any hardware requirements.
25	Warranty	Recommended server must include a minimum five (5) years full (24/7) support warranty with next day on-site service for repairs or part replacement. Parts replacement conform to the OEM (Original Equipment Manufacturer) specifications and original parts are guaranteed for one year. Pricing of an accidental damage protection policy must be provided.
26	Installation & Commissioning	Successful bidder is responsible for the successful installation of all components, testing and move to live production.

Product: Core 10G Copper Switch, Qty. 02

SL#	Item	Description
1	Brand	International Reputed Brand
2	Model	To be mentioned by the bidder
3	Country of origin	To be mentioned by the bidder
4	Country of manufacturer	To be mentioned by the bidder
5	Architecture	Should be provided with- <ul style="list-style-type: none">• 24x 1/10GBASE-T ports,• Min. 2x 40GbE QSFP+ ports• 1 x RJ-45 serial console port• 1 x RJ-45 out-of-band management port
6	Memory and processor	<ul style="list-style-type: none">• Flash Memory: 16 GB;• Unified Buffer: Up to 36 MB per ASIC;• RAM: 16 GB
7	Performance	<ul style="list-style-type: none">• Forwarding rate: Up to 1Bpps• Routing/ Switching capacity: 2Tbps• VLAN: 4096• MAC address: 82000• Jumbo Frame: 9216 bytes• IPv4 routes: Up to 212,000 indirect + direct
8	Management	<ul style="list-style-type: none">• SNMPv1/ SNMPv2c/ SNMPv3• Command-Line Interface (CLI)• Network Time Protocol (NTP)• Web browser• IEEE 802.1s Multiple Spanning Tree Telnet
9	Security	<ul style="list-style-type: none">• Access Control Lists (ACLs)• RADIUS/ TACACS+• Secure shell

		<ul style="list-style-type: none"> • IEEE 802.1X and RADIUS network logins • Dynamic ARP protection
10	Quality of Service (QoS)	<ul style="list-style-type: none"> • Weighted Deficit Round Robin (WDRR) • Source IP (Ipv4/Ipv6) • Explicit Congestion Notification (ECN) • VLAN • Flow Control • Layer 3 Managed Switch
11	Power and Cooling	Redundant Power Supply with four fan tray slots
12	Warranty & Service	5-yrs collaborative warranty with 24x7 mission critical one point support4-hour onsite response time for hardware issue. Supporting service-related document should provide.

Note -1: BFP-B Management has every rights to accept or cancel any quotation to be submitted by the vendor without any clarifications.

Note -2: Selected vendor must provide at least one trainer with RHCSA and CCNA certification with basic server and switch management.