

Addendum/Corrigendum

sl	Section	Page	Clause	Item/Description	Original text in Tender Document	Amended Text	Remarks
				Core Switch			
1	7	20	3.3	Fiber Connectivity Options	The switch must have 48 ports 10G/25G SFP+ and 36 ports 100G QSFP ports. All the ports should be line-rate / non-blocking wire-rate ports.	<i>The switch must have minimum 48 ports 10G SFP+ per card and minimum 30 ports 100G QSFP ports per card. All the ports should be line-rate / non-blocking wire-rate ports.</i>	
2					The switch must support 10GE, 25G, 40GE, 100 Gig line cards from day1.	<i>The switch must support 10GE, 40GE, 100 Gig line cards from day 1.</i>	
3					The switch can be scaled up 500 x 10GE ports or 120 x 100 GE ports as non-blocking or wire-speed ports.	<i>The switch can be scaled up to minimum 400 x 10GE ports or 100 x 100 GE ports as non-blocking or wire-speed ports.</i>	
4	7	20	3.3	Layer 2 Feature			
5				802.3ad	Should support Industry Standard Port/Link Aggregation for All Ports. Also, Cross Module Link aggregation should be supported	<i>Should support Industry Standard Port/Link Aggregation for All Ports</i>	
6				Large layer 2 domain	Switch must support spine - leaf or similar topology based on VXLAN and create large layer 2 domain.	<i>Switch should support VxLAN feature.</i>	
7				Multi Chassis Ether Channel	Switch must support multi chassis ether channel feature and work with any downstream switch from various vendors.	<i>Switch must support multi chassis LACP feature.</i>	
8	7	21	3.3	Layer 3 Feature			
9				VRF Functionality	The switch should support up to 1000 VRF instances.	<i>The Switch should support VRF or equivalent functionality.</i>	
10				Security Features			
11				Control plane filtering	The switch must have control plane policing and user configurable Control Plane Policing (CoPP) or equivalent feature.	<i>The switch must have control plane policing and user configurable Control Plane Policing (CoPP)/Control Plane DoS protection or equivalent feature.</i>	
12	7	21	3.3	Access Control Entries	The switch must have at 18000 ingress ACL and 3,000 IPv4 egress ACL. The switch scalable up to 36,000 ingress ACLs and up to 6,000 egress ACLs in future if required. It should support Security and QOS ACL's.	<i>The switch must have at 18000 ingress ACL and 3,000 IPv4 egress ACL. The switch scalable up to 36,000 ingress ACLs/Firewall Terms and up to 6,000 egress ACLs in future if required. It should support Security and QOS ACL's.</i>	
13	7	21	3.3	QoS Feature			
14				Ingress/Egress Queuing	Must have Ingress/Egress Queuing and Per VLAN Rate Limiting	<i>Must have Ingress/Egress Queuing.</i>	
15				Traffic Load Balancing			
16	7	22	3.3	Traffic Load Balancing	Bidder can propose external or internal device to meet the feature		DELETED
17					Must have line rate load balancing		DELETED
18					Must have IP stickiness and resilient load balancing		DELETED
19					Must have server load balancing		DELETED
20					Must have Virtual IP address with Layer 4 port-based load balancing feature		DELETED
21					Layer 4 port based load balancing with configurable/customized port ranges		DELETED
22					Health monitoring of servers and network devices using IP probes like TCP, UDP, ICMP, and DNS probes.		DELETED
23					Automatic failure detection and traffic redistribution in the event of a failure without human intervention		DELETED

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24	7	22	3.3	Management			
25				Management interface support	Switch should support Syslog, Power on Auto Provisioning, XML (NetConf), SSHv2, Telnet, OOB Management port, Console Port.	<i>Switch should support Syslog, SSHv2, Telnet, OOB Management port, Console Port.</i>	
26				Programmable features	should support Linux tools, Bash and Power Shell, Python Shell and XMPP Client		<i>DELETED</i>
27	7	22	3.3	Manufacturer's part number	Bidder must submit the required performance document and compliance reference document for the proposed device.	<i>Bidder must submit compliance reference document for the proposed device.</i>	
28				Aggregation Switch Type I			
29	7	23	3.3	Hardware Architecture	Network Infrastructure equipment support both 48DC and 220v AC.	<i>Network Infrastructure equipment support both 48V DC and 220V AC.</i>	
30	7	24	3.3	Performance & Scalability	Should be minimum 3.50 Tbps switching bandwidth and 2.5 Billion packets per second (bps)	<i>Should be minimum 1.5 Tbps switching bandwidth and 1 Billion packets per second (Bpps)."</i>	
31	7	24	3.3		Must support minimum 800,000 IP route table entry.	<i>Must support minimum 120,000 IP route table entry.</i>	
32	7	24	3.3		Must support minimum 30,000 multicast routes and 30,000 IGMP routes	<i>Must support minimum 100,000 multicast routes and 30,000 IGMP routes."</i>	
33	7	24	3.3		Must support minimum 3500 ingress Security ACL and 1800 egress Security ACL	<i>Must support minimum 3500 ingress Security ACL and 1000 egress Security ACL.</i>	
34	7	24	3.3		Must support minimum 12,000 Virtual Routing and Forwarding (VRF)	<i>Must support minimum 2500 Virtual Routing and Forwarding (VRF).</i>	
35					Full Layer 3 unicast and multicast routing protocol including BGP, OSPF, Multicast PIM-SM, Multicast SSM, and MSDP, Segment routing MPLS and RSVP-TE. Multi-hypervisor and bare-metal interoperation with VLAN and VxLAN routing and bridging support in SDN mode.	<i>Full Layer 3 unicast and multicast routing protocol including BGP, OSPF, Multicast PIM-SM, Multicast SSM, and MSDP and bridging support in SDN mode.</i>	
36	7	24	3.3		Must support port channeling across multiple chassis or port channeling across virtual chassis or port channeling across clustering chassis.	<i>Must support port channeling/Link Aggregation LAG across multi chassis.</i>	
37	7	24	3.3		Switch Fabric Supported Feature	The Fabric should support CLOS Based Architecture defined using Aggregation, DC Access and VXLAN and ISIS or VXLAN and EVPN Protocol.	<i>The Fabric should support Architecture defined using Leaf-Spine Aggregation and DC Access and VXLAN.</i>
38				The Fabric should support various Hypervisor encapsulation including VXLAN, NVGRE and 802.1q natively without any additional hardware change.		<i>The Fabric should support various Hypervisor encapsulation including VXLAN and 802.1q natively without any additional hardware change in future if required.</i>	
39				The Fabric should support Multi-hypervisor and bare-metal interoperation with VLAN and VxLAN routing and bridging support in SDN mode in future if required.		<i>The Fabric should support VxLAN routing and bridging support in SDN mode in future if required.</i>	
40				The Fabric should support Micro Segmentation for the Virtualize and Non - Virtualize environment in future if required. Fabric must support true multi - tenancy.			<i>DELETED</i>
41				The Fabric should support as a State-less distributed firewall with the logging capability.			<i>DELETED</i>
42				The Fabric should support auto discover all the hardware and auto provision the fabric based on the policy in future if required.			<i>DELETED</i>
43				The Fabric should support integration with various platform like VMWare, OpenStack, CloudStack, HyperV and KVM.			<i>DELETED</i>

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44	7	25	3.3	Switch features	Virtual Route Forwarding (VRF): VRF-Lite (IP VPN); VRF-aware unicast; and BGP-, OSPF-, RIP-, and VRF-aware multicast	<i>Virtual Route Forwarding (VRF): VRF-Lite (IP VPN).</i>	
45					Virtual Route Forwarding (VRF): VRF-Lite (IP VPN); VRF-aware unicast; and BGP-, OSPF-, RIP-, and VRF-aware multicast		DELETED
46					Must have Modular QoS classification compliance		DELETED
47					Must have per port virtual output queuing		DELETED
48	7	26	3.3	Security features	Must support ACLs (Standard & Extended) on Ethernet and virtual Ethernet ports	<i>Must support ACLs on Ethernet ports.</i>	
49					Must support IEEE 802.1ae MAC Security support on all ports		DELETED
50	7	26	3.3	QoS features	Must have CoS Trust		DELETED
51					Must have CoS-based egress queuing		DELETED
52					Must have Egress strict-priority queuing		DELETED
53					Must have 35 MB of shared buffer for traffic/packet Queuing and processing	<i>Must have at least 16MB shared buffer for traffic processing.</i>	
54					Must have Modular QoS classification compliance		DELETED
55					7	26	3.3
56	Must have Switched Port Analyzer (SPAN) on physical, Port Channel, VLAN	<i>Must have Switched Port Analyzer (SPAN) or equivalent feature on physical, Port Channel, VLAN.</i>					
57	The switch must have at least 380,000 hours Mean Time Between Failure (MTBF) for hardware reliability.		DELETED				
58	Must have RoHS-6 compliant.	<i>Must have RoHS compliant.</i>					
59				Aggregation Switch Type II			
60	7	28	3.3	Enclosure Type	Rack-mountable Chassis	<i>Rack-mountable</i>	
61	7	28	3.3	Switch Layer 2 Services	Spanning Tree PortFast	<i>Spanning Tree.</i>	
62	7	28	3.3		Spanning Tree Root Guard		DELETED
63	7	28	3.3		Spanning Tree Bridge Assurance		DELETED
64	7	29	3.3		LACP: IEEE 802.3ad, IEEE 802.1ax	<i>LACP: IEEE 802.3ad</i>	
65	7	29	3.3	Switch Layer 3 Services	Layer 3 interfaces: minimum 1000 Routed ports on interfaces, switch virtual interfaces, PortChannels/EtherChannel, and sub-interfaces	<i>Layer 3 interfaces: Routed ports on interfaces/switch virtual interfaces, PortChannels/EtherChannel, and sub-interfaces.</i>	
66					Routing protocols: Static, IPv2, OSPF, BGP, VRRP, VRF-Lite, VRF route leaking and VRF-aware multicast	<i>Routing protocols: Static, IPv2, OSPF, BGP, VRRP, VRF-Lite. Bidder may offer equivalent technology..</i>	
67				Security features	Named ACLs		DELETED
68	7	29	3.3	Data Storage and Archiving			
69	70			Protocols	Solution should be configured with required protocols for the solution CIFS/SMB 3/ NFS 4/iSCSI/FCoE/FC. All required protocols required for the solution to be enabled.	<i>Solution should be configured/Supports protocols for the solution CIFS/SMB 3/ NFS 4/iSCSI/FCoE/FC.</i>	
70				Controllers	System to have minimum Two controllers with NSPoF Architecture (NO single point of failure architecture). System Data mover/controller should support 2x Intel Xeon E5-2600 8- core CPU or higher. Storage should support non-disruptive online firmware upgrade for both Controllers and disk drives.	<i>System to have minimum Two controllers with NSPoF Architecture (No single point of failure architecture). Storage should support non-disruptive online firmware upgrade for both Controllers and disk drives.</i>	

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71	7	34	4.2.2	Cache Memory	Cache Memory: Each controller/node should be provided with minimum 256 GB RAM scalable to 512 GB RAM with usable protected data Cache for Disk IO Operations. If NAS controllers with separate controllers additional RAM cache to be provided. The storage array must have complete cache protection mechanism either by de-staging data to disk/flash or protecting with NVRAM	<i>Cache Memory: Each controller/node should be provided with minimum 512 GB RAM or 512GB Read Cache with usable protected data Cache for Disk IO Operations. If NAS controllers are with separate controllers additional RAM cache to be provided. The storage array must have complete cache protection mechanism either by de-staging data to disk/flash.</i>	
72				Connectivity	Minimum 4*40 GbE ports to be provided which supports hardware partitioning up to 16 vNICs. The ports should also have a provision to use as 10 GbE ports per storage server for host connectivity & One 10/100/1000 Ethernet dedicated management port on each server node to be provided	<i>Minimum 4*10 GbE ports to be provided. One 10/100/1000 Ethernet dedicated management port to be provided.</i>	
73				RAID Supports	RAID levels Supported: 0, 1, 5, 6, 10 (Dual parity or higher)	<i>RAID levels Supported: 0, 1, 5, 6, 10</i>	
74				De-duplication	Should provide de-duplication functionalities for the configured capacity.		DELETED
75	7	35	4.2.2	Replication	The storage array must have the capability to do remote replication using IP technology.	<i>The storage array must have the capability to do remote replication using TCP/IP (iSCSI) or Fibre Channel technology.</i>	
76				Software Licenses	All the necessary software and licenses to configure and manage the storage space, RAID configuration, logical drives allocation, snapshots, compression, de-dup, replication, auto-tiering for the configured capacity to be provided from day 1	<i>All the necessary software and licenses to configure and manage the storage to be provided from day 1 for the full capacity of the storage.</i>	

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				Policy Enforcement			
77	7	32	4.2.1	Policy Enforcement System	Drive Bays: Min. 8 SAS SFF Hot-Plug Drives Backplane and should be scalable up to 30 SFF Hot-Plug Drives Bays.	<i>Drive Bays: Min. 8 SAS SFF Hot-Plug Drives Backplane and should be scalable minimum 26 SFF Hot-Plug Drives Bays or higher.</i>	
78	7	44	4.2.3	Network Management	Drive Bays: Min. 8 SAS SFF Hot-Plug Drives Backplane and should be scalable up to 30 SFF Hot-Plug Drives Bays.	<i>Drive Bays: Min. 8 SAS SFF Hot-Plug Drives Backplane and should be scalable minimum 26 SFF Hot-Plug Drives Bays or higher.</i>	
79	7	49	4.2.4	Reporting and Statistics	Drive Bays: Min. 8 SAS SFF Hot-Plug Drives Backplane and should be scalable up to 30 SFF Hot-Plug Drives Bays.	<i>Drive Bays: Min. 8 SAS SFF Hot-Plug Drives Backplane and should be scalable minimum 26 SFF Hot-Plug Drives Bays or higher.</i>	
80	7	57	4.2.5	Authentication and Log Management	Drive Bays: Min. 8 SAS SFF Hot-Plug Drives Backplane and should be scalable up to 30 SFF Hot-Plug Drives Bays.	<i>Drive Bays: Min. 8 SAS SFF Hot-Plug Drives Backplane and should be scalable minimum 26 SFF Hot-Plug Drives Bays or higher.</i>	

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				Internet Firewall for NOC			
81	7	58	4.2.6	Hardware Architecture	The appliance should support have 12 x 1 GE Copper and 4 x 10GE SR ports from day 1.	<i>The appliance should have minimum 4 x 1 GE Copper and 4 x 10GE optical SR ports from day 1.</i>	
82	7	58	4.2.6		The device can be scalable at least 24 ports 1GE ports or 8 ports 10GE ports in future if required.		DELETED
83	7	58	4.2.6		The appliance hardware should be a multicore CPU architecture with a hardened 64 bit operating system to support higher memory	<i>The appliance hardware should be a multicore CPU /ASIC architecture with a hardened 64 bit operating system to support higher memory.</i>	
84	7	58	4.2.6		Proposed Firewall should not be proprietary ASIC based in nature & should be open architecture based on multi-core CPU's to protect & scale against dynamic latest security threats.	<i>Proposed Firewall should be based either on ASIC based architecture or Open architecture based on multi-core CPU to protect & scale against dynamic latest security threats. The offered system may be dependent on a single or multiple inspection engine for traffic analysis.</i>	

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85	7	58	4.2.6	Performance & Scalability	Should have at least 4.5 Gbps of NGFW performance throughput includes Next Generation Firewall, Application Visibility & IPS.	<i>Should have at least 4.5 Gbps of NGFW performance throughput includes Next Generation Firewall.</i>	
86	7	58	4.2.6		Proposed appliance Basic firewall and Next-Generation firewall throughput difference should not be more than 80%		DELETED
87	7	59	4.2.6	High Availability Features	Firewall should support ether-channel functionality for the failover control & date interfaces for provide additional level of redundancy	<i>Firewall should support LACP functionality for the failover control & date interfaces for provide additional level of redundancy.</i>	
88	7	59	4.2.6		Firewall should support 802.3ad Ether-channel functionality to increase the bandwidth for a segment.	<i>Firewall should support LACP functionality to increase the bandwidth for a segment.</i>	

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89	7	59	4.2.6	Next Generation Firewall Features	Solution must be capable of passively gathering information about network hosts and their activities, such as operating system, services, open ports, client applications, and vulnerabilities, to assist with multiple activities, such as intrusion event data correlation, elimination of false positives, and policy compliance.	<i>Solution should be able to dynamically execute policies across all network elements by feeding intelligence to firewalls and network devices.</i>	
90	7	60	4.2.6		Firewall should support Nat66 (IPv6-to-IPv6), Nat 64 (IPv6-to-IPv4) & Nat46 (IPv4-to-IPv6) functionality	Firewall should support Nat66 (IPv6-to-IPv6), Nat 64 (IPv6-to-IPv4) / Nat46 (IPv4-to-IPv6) functionality.	
91	7	59	4.2.6		Should support the capability to quarantine end point. If additional Appliance/SW need, vendor can provide the same.		DELETED
92					Solution should support full-featured NBA capability to detect threats emerging from inside the network. This includes the ability to establish “normal” traffic baselines through flow analysis techniques (e.g., NetFlow/Sflow) and the ability to detect deviations from normal baselines. If the said functionality not supported in NGFW, vendor can add additional NBA device to meet the requirement.		DELETED

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93	7	60	4.2.6	Next Generation Firewall Features	Should support Reputation- and category-based URL filtering offering comprehensive alerting and control over suspect web traffic and enforces policies on more than 275 million of URLs in more than 80 categories.	<i>Should support Reputation- and category-based URL filtering offering comprehensive alerting and control over suspect web traffic and enforces policies.</i>	
94	7	60	4.2.6		Should support safe search and YouTube EDU enforcement		DELETED
95	7	60	4.2.6		Solution must be capable of passively gathering details unique to mobile devices traffic to identify a wide variety of mobile operating systems, mobile applications and associated mobile device hardware.		DELETED
96					Should support more than 3800 application layer and risk-based controls that can invoke tailored intrusion prevention system (IPS) threat detection policies to optimize security effectiveness.	<i>Should support more than 2000 application layer and risk-based controls that can invoke tailored intrusion prevention system (IPS) threat detection policies to optimize security effectiveness.</i>	

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97				Next Generation Firewall Features	Solution should support network-based detection of malware by checking the disposition of known files in the cloud using the SHA-256 file-hash as they transit the network and capability to do dynamic analysis on-premise on purpose built-appliance for more comprehensive protection.	<i>Must be capable of providing network-based detection of malware by checking the disposition of known files in the cloud using the SHA-256 file-hash as they transit the network and capability to do dynamic analysis.</i>	
98	7	60	4.2.6		Must be capable of providing network-based detection of malware by checking the disposition of known files in the cloud using the SHA-256 file-hash as they transit the network and capability to do dynamic analysis on-premise on purpose built-appliance if required in future.	<i>Must be capable of providing network-based detection of malware by checking the disposition of known files in the cloud using the SHA-256 file-hash as they transit the network and capability to do dynamic analysis.</i>	
99	7	60	4.2.6		Should support Open based Application ID for access to community resources and ability to easily customize security to address new and specific threats and applications quickly		DELETED
100	7	66	4.3.1	Server Farm Switch			
101	7	66	4.3.1	Enclosure Type	Rack-mountable Chassis	<i>Rack-mountable.</i>	
102	7	66	4.3.1	Hardware Architecture	Network Infrastructure equipment support both 48DC and 220v AC.	<i>Network Infrastructure equipment support both 48V DC and 220V AC.</i>	

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103	7	66	4.3.1	Hardware Architecture	Must have minimum 45 x 1/10/25 GE SFP+ and minimum 6 X 100 GE QSFP ports enabled.	<i>Must have minimum 45 x 1/10GE SFP+ and minimum 4 X 100 GE QSFP ports enabled.</i>	
104	7	66	4.3.1	Performance & Scalability	Should be minimum 2.0 Tbps switching bandwidth and 80 Million packets per second (Mpps)	<i>Should be minimum 1.5 Tbps switching bandwidth and 80 Million packets per second (Mpps).</i>	
105	7	66	4.3.1		Must support minimum 500,000 MAC address table entries.	<i>Must support minimum 200,000 MAC address table entries.</i>	
106	7	66	4.3.1		Must support minimum 5000 ingress Security ACL and 2000 egress Security ACL	<i>Must support minimum 5000 ingress Security ACL and 1000 egress Security ACL.</i>	
107	7	66	4.3.1		Must support minimum 10,000 Virtual Routing and Forwarding (VRF)	<i>Must support minimum 2500 Virtual Routing and Forwarding (VRF).</i>	
108	7	67	4.3.1		Full Layer 3 unicast and multicast routing protocol including BGP, OSPF, Multicast PIM-SM, Multicast SSM, and MSDP, Segment routing MPLS and RSVP-TE. Multi-hypervisor and bare-metal interoperation with VLAN and VxLAN routing and bridging support in SDN mode.	<i>Full Layer 3 unicast and multicast routing protocol including BGP, OSPF, Multicast PIM-SM, Multicast SSM, and MSDP, MPLS and RSVP-TE. VLAN and VxLAN routing and bridging support in SDN mode.</i>	
109	7	67	4.3.1		The Switch should support FCoE, 8-Gbps, 16-Gbps, 32-Gbps Fibre Channel ports.	<i>The Switch should support FCoE.</i>	

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110	7	67	4.3.1	Performance & Scalability	Must support port channeling across multi chassis.	<i>Must support port channeling/Link Aggregation LAG across multi chassis.</i>	
111	7	67	4.3.1	Switch Fabric Supported Feature	The Fabric should support CLOS Based Architecture defined using Aggregation, DC Access and VXLAN and ISIS or VXLAN and EVPN Protocol in future if required.	<i>The Fabric should support Architecture defined using Leaf-Spine Aggregation and DC Access and VXLAN.</i>	
112	7	67	4.3.1		The Fabric should support various Hypervisor encapsulation including VXLAN, NVGRE and 802.1q natively without any additional hardware change in future if required.	<i>The Fabric should support various Hypervisor encapsulation including VXLAN and 802.1q natively without any additional hardware change in future if required.</i>	
113	7	67	4.3.1		The Fabric should support Micro Segmentation for the Virtualize and Non - Virtualize environment in future if required. Fabric must support true multi - tenancy in future if required.		DELETED
114	7	67	4.3.1		The Fabric should support FCoE, Fiber Channel with 8Gb/16Gb speed.	<i>The Fabric should support FCoE.</i>	
115	7	67	4.3.1		The Fabric should support as a State-less distributed firewall with the logging capability in future if required.	<i>The Fabric should support firewall/ACL in future if required.</i>	

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116	7	67	4.3.1	Switch Fabric Supported Feature	The Fabric should support auto discover all the hardware and auto provision the fabric based on the policy in future if required.		DELETED
117	7	67	4.3.1	Layer 2 features	Must support Fiber Channel and Fiber Channel over Ethernet for LAN and SAN networks	Must support Fiber Channel over Ethernet for LAN.	
118	7	68	4.3.1		Virtual Route Forwarding (VRF): VRF-Lite (IP VPN); VRF-aware unicast; and BGP-, OSPF-, RIP-, and VRF-aware multicast	Virtual Route Forwarding (VRF): VRF-Lite (IP VPN).	
119	7		4.3.1		Must have per port virtual output queue		DELETED
120	7	68	4.3.1	Security features	Must support ACLs (Standard & Extended) on Ethernet and virtual Ethernet ports	Must support ACLs on Ethernet ports.	
121	7	68	4.3.1		Must support IEEE 802.1ae MAC Security support on all ports		DELETED
122	7	69	4.3.1	QoS features	Must have CoS Trust		DELETED
123	7	69			Must have CoS-based egress queuing		DELETED
124	7	69			Must have Egress strict-priority queuing		DELETED
125	7	69			Must have Modular QoS classification compliance		DELETED
126	7	69			Must have at least 35MB QoS buffer for traffic processing	Must have at least 16MB shared buffer for traffic processing.	

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127	7	69	4.3.1	Management features	Must have Switched Port Analyzer (SPAN) on physical, Port Channel, VLAN	<i>Must have Switched Port Analyzer (SPAN) /Port Mirror on physical, Port Channel, VLAN.</i>	
128			Must support AAA, AAA with RBAC, Radius for user authentication		<i>Must support AAA, Radius for user authentication</i>		
129			Must have RoHS-6 compliant.		<i>Must have RoHS compliant.</i>		
130	7	69	4.3.1		The switch must have at least 230,000 hours Mean Time Between Failure (MTBF) for hardware reliability.		DELETED
131	7	69	4.3.2	NOC Internet Switch			
132	7	69	4.3.2	Brand	Any Internationally Reputed Brand to be Mentioned by the Tenderer & the Brand needs to be within the Leader Quadrant of Gartner's Magic Quadrant	<i>Any Internationally Reputed Brand to be Mentioned by the Tenderer.</i>	
133	7	69	4.3.2	Benchmark	ISO 9001, FCC Class A/B, & Gartner	<i>ISO 9001, FCC Class A/B.</i>	
134	7	69	4.3.2	Architecture	Basic Layer 3 switch series with VSF stacking, RIP routing, Access OSPF, ACLs and robust QoS	<i>Basic Layer 3 switch series RIP routing, OSPF, ACLs and robust QoS.</i>	
135	7	69	4.3.2		Ready for innovative SDN applications with OpenFlow support		DELETED
136	7	70	4.3.2	Quality of Service (QoS)	Large buffers		DELETED
137	7	70	4.3.2		Layer 2 switching		
138	7	70	4.3.2		Rapid Per-VLAN Spanning Tree (RPVST+)		DELETED
139	7	70	4.3.2		GVRP and MVRP	<i>MVRP.</i>	

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142	7	13	3.2	TMAC Sub-system	Identification and logging of user information (For example [but not limited to]: Network Address, IP address, E-mail address, Facebook ID, Viber ID, any Instant Messenger ID or any other ID associated with an Application/ Service/ Session.	<i>Identification and logging of user information (For example [but not limited to]: Network Address, IP address, Facebook ID, Viber ID, any Instant Messenger ID or any other ID associated with an Application/ Service/ Session.</i>	
143	7	14	3.2	TMAC Sub-system	replicate/mirror the packet to other output interfaces.		DELETED
144	7	17	3.2	TMAC Sub-system	The solution shall use certificates issued by a trusted certifying authority to establish SSL/TLS connection to end-user's devices. The bidder shall arrange the required SSL certificate(s) and the certificate(s) must be issued against the purchaser. The bidder shall ensure that the SSL certificate(s) will work smoothly with all the HTTPs applications.		<i>The Purchaser shall assist the successful bidder to arrange the the required SSL certificate in favour of DoT.</i>
145	7	46	3.2	Reporting & Statistics	Email (account and address): SMTP, IMAP4, POP3,		DELETED
146	7	46	4.2.2	Reporting & Statistics	User logged in, application URLs/activity, posting activity, tweets, search engine queries, and resulting URL clicks, chats, video streams, file attachments.	<i>User logged in, application URLs/activity, posting activity, tweets, search engine queries, and resulting URL clicks, chats, video streams.</i>	
147	7	46	4.2.2	Reporting & Statistics	SMTP, POP, IMAP: Name of server, sender and receiver's E-mail address, Subject of the mail, name and size of attached file etc.		DELETED
148	7	46	4.2.2	Reporting & Statistics	ftp: Username, ftp commands issued, name of files uploaded or downloaded		DELETED
149	7	96-98	SOR	IIG -2, IIG -5, IIG -8, IIG -10, IIG -11			<i>For these IIGs please delete the link(s) to connect CTG Swtich Interface.</i>
150	7	100	SOR	BTCL IX, Bd IX			For BTCL IX switch 1G interface will be given from Mogbazar and for Bd IX switch 1G interface will be given from SBN.
151	7	73	4.4.3	Network Printer	192MB or Higher	128 MB or Higher	
152	7	93	6.16	Optical Interface and Connectivity	The Optical interface and connectivity among the installed equipment under this project shall be single mode (SM) LC type. All optical interface must be connected through a optical patch panel or Optical distribution board (ODF). The range of optical power should be considered for a distance of 10 (ten) kilometer. In case of any short distance bidder will consider necessary attenuator to match the receive overload.	<i>All optical interface must be connected through a optical patch panel or Optical distribution board (ODF). The range of optical power should be considered for a distance of 10 (ten) kilometer. In case of any short distance bidder will consider necessary attenuator to match the receive overload.</i>	
153	6	97	Item 15	List of Goods and Delivery Schedule	Raised Floor	Raised Flooring and Insulation for NOC Room	

Addendum/Corrigendum

sl	Section	Page	Clause	Item/Description	Original text in Tender Document	Amended Text	Remarks
154	2	36	ITT 14.1 (b)	Qualification Criteria	(a) The satisfactory completion of supply of similar goods of minimum 4 million USD under maximum 3 (three) contracts in the last 5(five) years. i.e. years counting backward from the date of publication of IFT in the news paper.		<i>Please understand that the similar goods means the composite work of supply and installation of DPI / Firewall/ next generation firewall, switch, server, storage, router etc. or a combination of such types of equipment.</i>
155	2	36	ITT 14.1 (b)	Qualification Criteria	(b)User's Certificates (For DPI system) of satisfactory working record of the equipment, for at least 3(Three) years in at least 2 (Two) countries excluding the Country of origin of the equipment. Factory tests, Provisional Acceptance test, Laboratory Test and/or Pilot Project Test Certificates are not acceptable. All this certificates must contain the issue date, period of satisfactory operation, name and contact number of the issuing authority which will be in the letter head pad. The certificate issuing authority must be a Telecom Operator/Regulator of the respective Country. Such User Certificates shall be in English or originally in any other language	<i>(b)User's Certificates (For DPI system) of satisfactory working record of the equipment, for at least 3(Three) years in at least 2 (Two) countries excluding the Country of origin of the equipment. Factory tests, Provisional Acceptance test, Laboratory Test and/or Pilot Project Test Certificates are not acceptable. All this certificates must contain the issue date, period of satisfactory operation, name and contact number of the issuing authority which will be in the letter head pad. The certificate issuing authority must be a Telecom Operator/Regulator of the respective Country. Such User Certificates shall be in English or originally in any other language accompanied by "legally authorized translation in English". Certificates in any other language, but not accompanied by such translation, shall be disregarded. A bid without such certificates to meet the requirement will be declared non-responsive.</i>	<i>Please note that Clause 7.3 of Sub-section 7 under Section 7 (Page 94) shall be treated as deleted.</i>
156	2	36	ITT 14.1 (c)	Qualification Criteria	The minimum supply and/or production capacity of Goods is/ are: 25 Nos for DPI system only per year.	<i>The minimum supply and/or production capacity of goods is/are 25 numbers per year (for TMAC System/ Aggregate or Core or distribution switch/ firewall/ server or combination of these equipment only). Bidder shall provide evidence of such supply and/or production from respective manufacturer or from the user to whom the bidder has supplied the same for at least 3 years within last five years.</i>	