

**Islami Bank Bangladesh PLC**  
 Operations Wing  
 Procurement of Computer Hardware and  
 Accessories Department (PCHAD)  
Head Office, Dhaka

**Amendment in the Tender Schedule for Supplying & Commissioning different Core Network devices (Routers, Firewalls, Switches, and VPN Gateway) including required licenses/subscription and accessories for the DC, Dhaka & DRS, Rajshahi of IBBPLC are as follows:**

**Technical Terms & Conditions:**

**Detail technical Specification of different Core Network Devices (Lot- 1,2 & 3) for IBBPLC in page no: 11-14**

<b>LOT-1: Technical Specification of Routers for different Network Zones and Areas in DC-DRS</b>			
<b>S/N</b>	<b>Device Name</b>	<b>Existing Technical Specification as per Tender Schedule</b>	<b>Amendments</b>
1	Branch Core Router (DR, Rajshahi)	Memory: 64 GB (Minimum)	<b>Remain unchanged</b> ** In other case OEM/bidder must submit their architectural strength with documentary performance evidences (i.e. facts and figures), accordingly OEM/bidder request would be considered subject to the submission of respective documents in their technical proposal.
		Interface: 6X10GE SFP+ (Switching Port only, routed port is no longer required)	Interface: 6x 10G SFP+ Fiber (Switching Port only, routed port is no longer required)
2	ATM Core Router (DR, Rajshahi)	Memory: 32 GB (Minimum)	<b>Remain unchanged</b> ** In other case OEM/bidder must submit their architectural strength with documentary performance evidences (i.e. facts and figures), accordingly OEM/bidder request would be considered subject to the submission of respective documents in their technical proposal.
		Interface: min. 4X10GE SFP. &: min. 4 x 1G Rj45	Interface: 4x 10G SFP+ Fiber & 4x1 Gig Copper
3	BATCH Router (DC & DR)	Memory: 8 GB (minimum), Flash: 8 GB (minimum)	<b>Remain unchanged</b> ** In other case OEM/bidder must submit their architectural strength with documentary performance evidences (i.e. facts and figures), accordingly OEM/bidder request would be considered subject to the submission of respective documents in their technical proposal.
		Interface: 4 x 1-Gigabit Ethernet WAN port and 8 x 1-Gigabit Ethernet Switch ports	Interface: 4x1 Gig copper WAN port and 8x1 Gig copper Switch port
4	Internet Router (DR, Rajshahi)	Memory: 32 GB(minimum), Flash: 16 GB(minimum)	Memory: 16 GB(minimum), Flash: 8 GB (minimum)
		Interface: 4 x 10-Gigabit Ethernet and 8 x 1-Gigabit Ethernet ports	Interface: 8 x 10 Gig SFP+ Fiber and 8 x 1 Gig Copper

**LOT -2: Technical Specification of Firewalls for different Network Zones and Areas in DC-DRS.**

S/N	Device Name	Existing Technical Specification as per Tender Schedule	Amendments
1	Extranet Zone VPN Device (DR, (min.) in a single cluster. Rajshahi)	Interface: 8 x 10 SFP+ and 8x10 GE Copper	Interface: 8 x 10-Gig SFP+ Fiber and 8 x 1-Gig Copper
		VPN Peer or Tunnel: 6000 (minimum.)	VPN Peer or Tunnel: 5800 (minimum.)
		High availability: Active/Active, Active/Standby clustering. Should support up to 4 nodes	High availability: Active/Active, Active/Standby
		Min. 05 (five) Years OEM Warranty and Local Supports with perpetual license (if any) up to EOS of the devices.	Min. 05 (five) Years OEM Warranty and Local Supports with perpetual license (if any) up to EOS of the devices. Local support must be ensured from Local depo (in BD) within 24 hrs. (Next Business Day)
2	Core Zone Firewall (DR, Rajshahi)	Memory: 512GB 3200 Mt/s (minimum)	<b>Remain unchanged</b> ** In other case OEM/bidder must submit their architectural strength with documentary performance evidences (i.e. facts and figures), accordingly OEM/bidder request would be considered subject to the submission of respective documents in their technical proposal.
		Interface: 8 x 10/25 Gigabit Ethernet ports (SFP28), 8 x 10/25 Gigabit Ethernet SFP+ (SFP28) network modules, 4 x 40 Gigabit Ethernet Quad SFP+,	Interface: 8 x 10 Gig SFP+ Fiber 8 x 10 Gig SFP+ Fiber 4 x 25 Gigabit SFP28+
3	Internet Zone Firewall (DR, Rajshahi)	<b>Warranty:</b> 05 (five) Years min. OEM Warranty and must have Local depo (in BD)	<b>Warranty:</b> 05 (five) Years min. OEM Warranty and must have Local depo (in BD). Local support must be ensured from Local depo (in BD) within 24 hrs. (Next Business Day)
4	Extranet Zone Firewall (2 units for DC and 2 units for DR Rajshahi)	12 x 10 GE Ethernet, 8X 25GE SFP28 /10GE SFP+, 2x 40 GE QSFP+ ports (min.)	12 X 1 Gig Copper 8 X 10 GE SFP+ Fiber 2 x 25 SFP28

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**LOT -3: Technical Specification of Switching Devices for ISP Aggregation, Out of Band Management Zones and SDN.**

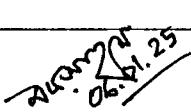
S/N	Device Name	Existing Technical Specification as per Tender Schedule	Amendments
1	Border Switch (DRS, Rajshahi) Leaf (DRS)	Memory: 32 GB (Minimum), Storage: SSD: 128 GB (Minimum)	<b>Remain unchanged</b> ** In other case OEM/bidder must submit their architectural strength with documentary performance evidences (i.e. facts and figures), accordingly OEM/bidder request would be considered subject to the submission of respective documents in their technical proposal.
		Management Ports: 1 RJ45 and 1 SFP , Management	Management Ports: 1 gig copper port.
		Transceiver: 48X Dual Rate 10/25GBASE-CSR SFP Module, 6X 100G and 40GBASE SR-BiDi QSFP Transceiver, LC, 100m OM4 MMF	Transceiver: 24X10 Gig SFP+ 24X 25 Gig SFP 28 6X 40 Gig SR-BiDi QSFP
2	Spine Switch (DRS, Rajshahi)	Memory: 32 GB (Minimum), Storage: SSD: 128 GB (Minimum)	<b>Remain unchanged</b> ** In other case OEM/bidder must submit their architectural strength with documentary performance evidences (i.e. facts and figures), accordingly OEM/bidder request would be considered subject to the submission of respective documents in their technical proposal.
		Interface: 28 x 100/40- Gbps QSFP28 (minimum) 6X400/100 GBps QSSFDD Ports (40/100-Gbps on downlinks 40/100/400- Gbps on uplinks)	Interface: 28x40 Gbps QSFP28 6X100 GBps QSSFDD
		Management Ports: 1 RJ45 and 1 SFP ,	Management Ports: 1 gig copper port
3	Fiber Leaf Switch (2 for DC & 2 for DRS, Rajshahi)	Transceiver: 20 X 100G and 40GBASE SR-BiDi QSFP Transceiver , LC, 100m OM4 MMF,	Transceiver: 28x40 Gbps QSFP28 6 X 100G SR-BiDi QSFP
		Memory: 32 GB (Minimum), Storage: SSD: 128 GB (Minimum)	<b>Remain unchanged</b> ** In other case OEM/bidder must submit their architectural strength with documentary performance evidences (i.e. facts and figures), accordingly OEM/bidder request would be considered subject to the submission of respective documents in their technical proposal.
		Management Ports: 1 RJ45 and 1 SFP ,	Management Ports: 1 gig copper port
4	Copper Leaf Switch (2 for DC and 2 for DRS Rajshahi)	Transceiver: 48X Dual Rate 10/25GBASE-CSR SFP Module, 6X 100G and 40GBASE SR-BiDi QSFP Transceiver, LC, 100m OM4 MMF	Transceiver: 24X10 Gig SFP+ 24X 25 Gig SFP 28 6X 40 Gig SR-BiDi QSFP
		Memory: 32 GB (Minimum), Storage: SSD: 128 GB (Minimum)	<b>Remain unchanged</b> ** In other case OEM/bidder must submit their architectural strength with documentary performance evidences (i.e. facts and figures), accordingly OEM/bidder request would be considered subject to the submission of respective documents in their technical proposal.

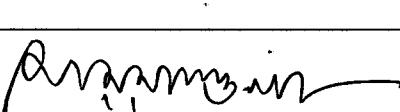
**LOT -3: Technical Specification of Switching Devices for ISP Aggregation, Out of Band Management Zones and SDN.**

S/N	Device Name	Existing Technical Specification as per Tender Schedule	Amendments
		Interface: 48 x 10/25G Base-T 6 x 40/100G QSFP28 ports,	Interface: 48 x 10 Gig Copper 6 x 40G QSFP28 ports,
		Management Ports: 1 RJ45 and 1 SFP ,	Management Ports: 1 gig copper port
		Transceiver: 6X 100G and 40GBASE SR-BiDi QSFP Transceiver, LC, 100m OM4 MMF	Transceiver: 48X10 Gig copper port 6X 40 Gig SR-BiDi QSFP
		Throughput: 3.6 Tbsp. BW (minimum)	Throughput: 2 Tbsp. BW (minimum)
5	IPN/ISN Switch (DRS, Rajshahi)	Memory: 32 GB (Minimum), Storage: SSD: 128 GB (Minimum)	<b>Remain unchanged</b> ** In other case OEM/bidder must submit their architectural strength with documentary performance evidences (i.e. facts and figures), accordingly OEM/bidder request would be considered subject to the submission of respective documents in their technical proposal.
		Management Ports: 1 RJ45 and 1 SFP , Management	Management Ports: 1 gig copper port.
		Transceiver: 24X Dual Rate 10/25GBASE-CSR SFP Module 6X 100G and 40GBASE SR-BiDi QSFP Transceiver, LC, 100m OM4 MMF,	Transceiver: 24X10 Gig SFP+ Fiber 6X 25 GBASE SR-BiDi QSFP
7	Multisite Orchestration Platform (DR, Rajshahi)	<b>ND-Node-L4:</b> 3 platform node (based on Cisco UCS M6 Server) IMC SW (Recommended) latest release for C-Series Servers for each node (i.e. be 24 units leaf Switch), No Nexus Dashboard required.	<b>ND-Node-L4:</b> 3 platform node (based on Cisco UCS M6 Server) IMC SW (Recommended) latest release for C-Series Servers for each node (i.e. be 24 units leaf Switch), No Nexus Dashboard required.
8	ISP Aggregation Switch for WAN	Interface: 24X10GE, Uplink 2X10/25GB	Interface: 14 X 10 GE SFP+ Fiber 12X 1 GE Copper
9	ISP Aggregation Switch (OOB, BACH, Internet & Extranet Link)	Interface: 24X 1GE and uplink 2 X10 GE/SFP+	Interface: 24X1 Gig Copper Port built-in, 2X10 Gig SFP+ Copper module
10	Passive Accessories	All SFP Modules within the respective capacity (i.e. 10 GBPS, 25 GBPS, 40Gbps, and 100 Gbps would be calculated as per requirement mentioned above.  All types of Patch Cord (Copper Patch Cord, Fiber Optic Patch Cord) within the respective cable length (5 m, 10 m, 15 m, 20 m, and 30 m) and quantity would also been included.	All SFP Modules within the respective capacity (i.e. 10 GBPS, 25 GBPS, 40Gbps, and 100 Gbps would be calculated as per requirement mentioned above. <b>Patch cord Brand:</b> Panduit, CommScope, Corning, Siemens, and Rosenberger. Fiber Patch cord 3 M: 100 units, Copper Patch cord 3 M: 100 units, Fiber Patch cord 5 M: 100 units, Copper Patch cord 5 M: 100 units, Fiber Patch cord 10 M: 20 units, Copper Patch cord 10 M: 20 units, Fiber Patch cord 15 M: 20 units, Copper Patch cord 15 M: 20 units

**\*\* All other Technical and General terms & conditions in Tender Schedule shall remain unchanged.**

  
Principal Officer (PCHAD, OW)

  
FAVP (PCHAD, OW)

  
AVP & Head of PCHAD, OW