

FIRST SECURITY ISLAMI BANK LTD.

Amendment on RFP

“Purchasing Network Behavior Analyzer (NBA), Segmentation, Access Control and Authentication, Network Management System (NMS) and Servers for NBA, NMS and existing applications for a validity of three (03) years for Data Center & Disaster Recovery (DR) Site”

Invitation Ref No & Date: FSIBL/HO/ICT/198_199_200_201/2022, 06.04.2022

LOT A, LOT B, LOT C & LOT D

“Purchasing Network Behavior Analyzer (NBA), Segmentation, Access Control and Authentication, Network Management System (NMS) and Servers for NBA, NMS and existing applications”

**ICT Division, Head Office
Plot 12, Block A, Main Road
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April 18, 2022



The following amendment provides clarification and updates on the requirement of the project and should be read as accompanied with the originally published RFP.

Lot A- Network Behavior Analyzer (NBA)	
SL	Details
01	Section D: Training on Network Behavior Analyzer (NBA) In depth training on operation of the services/solution that will be guided by OEM and conducted on OEM approved training centre only. The training should be conducted as hands on or practical.

Lot B- Segmentation, Access Control and Authentication	
SL	Details
01	Section D: Training on Segmentation, Access Control and Authentication In depth training on operation of the services/solution that will be guided by OEM and conducted on OEM approved training centre only. The training should be conducted as hands on or practical.

Lot C- Network Management System (NMS)	
SL	Details
01	Chapter 7: Network Maps, Page No 6, Clause: 7.8 Should have the ability to show the link utilization as a Topology view/Topology map.
02	Chapter 16: Deployment, Page No 7, Clause: 16.1 Should be deployed within specific time frame and except selected bidder and OEM itself there will be no other personnel involved at any phase of deployment, implementation, configuration or customization.
03	Chapter 18: Product Support, Page No 11, Clause: 18.1 Bidder should offer license for minimum 300 Nodes that should contain 500 for Application monitoring and 1500 for performance monitoring.
04	Section D: Training on Segmentation, Access Control and Authentication In depth training on operation of the services/solution that will be guided by OEM and conducted on OEM approved training centre only. The training should be conducted as hands on or practical.

Lot D- Hardware Solution (Servers)			
Server for NBA			
Features	Required Specifications	Compliance	Remark
Quality	ISO 9001/9002 for manufacturer, FCC Class A/B for quality assurance.		
Brand	Internationally reputed brand. To be mentioned by Bidder.		
Model	To be mentioned by the bidder		
Country of Origin	USA/UK/EU		
Manufacturing Country	To be mentioned by the bidder		
Quantity	02 (Two) Units		
Environmental	Maintain International Quality Environmental Safety Standard		
Form factor	Rack mountable		



Processors	Each server should have Two (02) numbers of latest Intel 4314 (2.4GHz /135W / 16-Core/ 24MB Cache) processor from day-1		
Chipset	Intel® C621A series chipset or higher		
Internal Storage	Server should be provided with		
	- 4 x 2.4 TB 12G SAS 10K RPM SFF HDD		
	- 2 x 240GB M.2 Drive in RAID-1 with Boot Optimized RAID controller		
	RAID controller should support RAID 0, 1, 5, 6, 10, 50, and 60		
Memory	RAID controller should be proposed with minimum 4GB of Flash backed write cache module.		
	Should have at least 32 DIMM slots per server and support minimum up to 8TB of DDR4 memory.		
	Should be proposed with minimum 256 GB of DDR4 Memory with minimum 64GB RDIMM DDR4-3200 MHz		
Network	Support for advanced memory redundant technologies like Advanced error-correcting code (ECC) and memory mirroring.		
	Should have 2 * 10 GbE LAN ports, 4 * 1 GbE Base-T LAN ports & 2 *10Gbps SFP+ network ports with SFP+ modules/AOC from day-1		
Host Bus Adapter	Should support 2*16 Gbps Host Bus Adapter FC ports		
PCIe Slots	Should support up to 3 PCIe latest Generation slots		
Monitoring & Management	Should support out of band upgrades, Agentless out-of-band management, integrated diagnostics and Power monitoring and reporting.		
	Should support industry standard management protocols like IPMI v2 and SNMP v3.		
	Should have dedicated management port		
	Should support multiple management interfaces including web user interface and command line interface.		
	Should provide Firmware inventory and management (non interactive firmware updates), with firmware inventory scheduler		



	The solution should provide Server utilization statistics collection (firmware updates and diagnostic tools, should also supported)		
Security Feature	Should support Hardware Policy based security		
	Should support anti-counterfeit measures to guarantee authenticity		
	Support infrastructure firmware updates & upgrades. And support for system lockdown		
	Should support Secure Debug BIOS and BMC Comms		
Interface	1-Gbps RJ-45 Management port, 1 serial port, Minimum 2 USB Ports & VGA video port and VGA Controller.		
OS/ Virtualization Software	Should support Microsoft Windows Server, Red Hat Enterprise Linux (RHEL), SUSE Linux Enterprise Server (SLES), VMware.		
	Should be proved with 2 x VMware vSphere 7 Std (for 2 cpu, 16 core each) 3-years, Support Services.		
Others	Dual, Hot-Plug, Redundant Power Supply (1+1)		
	Security Bezel, Rail Kit and cable management arm to be provided along with the server.		
Warranty & Support	3 years 24x7 comprehensive OEM warranty with mission critical on-site support with parts replacement and labor within short times. Warranty support SKU and relevant datasheet should be provided with the technical compliance document.		

Server for Existing Applications (Type-1)			
Features	Required Specifications	Compliance	Remarks
Quality	ISO 9001/9002 for manufacturer, FCC Class A/B for quality assurance.		
Brand	Internationally reputed brand. To be mentioned by Bidder.		
Model	To be mentioned by the bidder		
Country of Origin	USA/UK/EU		
Manufacturing Country	To be mentioned by the bidder		
Quantity	01 (One) Unit		



Environmental	Maintain International Quality Environmental Safety Standard		
Form factor	Rack mountable		
Processors	Each server should have Two (02) numbers of latest Intel 4314 (2.4GHz /135W / 16-Core/ 24MB Cache) processor from day-1		
Chipset	Intel® C621A series chipset or higher		
Internal Storage	Server should be provided with		
	- 10 x 2.4 TB 12G SAS 10K RPM SFF HDD		
	- 2 x 240GB M.2 Drive in RAID-1 with Boot Optimized RAID controller		
	RAID controller should support RAID 0, 1, 5, 6, 10, 50, and 60		
Memory	RAID controller should be proposed with minimum 4GB of Flash backed write cache module.		
	Should have at least 32 DIMM slots per server and support minimum up to 8TB of DDR4 memory.		
	Should be proposed with minimum 128 GB of DDR4 Memory with minimum 64GB RDIMM DDR4-3200 MHz.		
	Support for advanced memory redundant technologies like Advanced error-correcting code (ECC) and memory mirroring.		
Network	Should have 2 * 10 GbE LAN ports, 4 * 1 GbE Base-T LAN ports & 2 *10Gbps SFP+ network ports with SFP+ modules/AOC from day-1		
Host Bus Adapter	Should support 2*16 Gbps Host Bus Adapter FC ports		
PCIe Slots	Should support up to 3 PCIe latest Generation slots		
Monitoring & Management	Should support out of band upgrades, Agentless out-of-band management, integrated diagnostics and Power monitoring and reporting.		
	Should support industry standard management protocols like IPMI v2 and SNMP v3.		
	Should have dedicated management port		
	Should support multiple management interfaces including web user interface and command line interface.		



	Should provide Firmware inventory and management (non interactive firmware updates), with firmware inventory scheduler		
	The solution should provide Server utilization statistics collection (firmware updates and diagnostic tools, should also supported)		
Security Feature	Should support Hardware Policy based security		
	Should support anti-counterfeit measures to guarantee authenticity		
	Support infrastructure firmware updates & upgrades. And support for system lockdown		
	Should support Secure Debug BIOS and BMC Comms		
Interface	1-Gbps RJ-45 Management port, 1 serial port, Minimum 2 USB Ports & VGA video port and VGA Controller.		
OS/ Virtualization Software	Should support Microsoft Windows Server, Red Hat Enterprise Linux (RHEL), SUSE Linux Enterprise Server (SLES), VMware.		
	Should be proved with 2 x VMware vSphere 7 Std (for 2 cpu, 16 core each) 3-years, Support Services.		
Others	Dual, Hot-Plug, Redundant Power Supply (1+1)		
	Security Bezel, Rail Kit and cable management arm to be provided along with the server.		
Warranty & Support	3 years 24x7 comprehensive OEM warranty with mission critical on-site support with parts replacement and labor within short times. Warranty support SKU and relevant datasheet should be provided with the technical compliance document.		

Server for Existing Applications (Type-2)			
Features	Required Specifications	Compliance	Remarks
Quality	ISO 9001/9002 for manufacturer, FCC Class A/B for quality assurance.		
Brand	Internationally reputed brand. To be mentioned by Bidder.		
Model	To be mentioned by the bidder		
Country of Origin	USA/UK/EU		
Manufacturing Country	To be mentioned by the bidder		



Quantity	02 (Two) Units		
Environmental	Maintain International Quality Environmental Safety Standard		
Form factor	Rack mountable		
Processors	Each server should have Two (02) numbers of latest Intel 4314 (2.4GHz /135W / 16- Core/ 24MB Cache) processor		
Chipset	Intel® C621A series chipset or higher		
Internal Storage	Server should be provided with		
	- 3 x 2.4 TB 12G SAS 10K RPM SFF HDD		
	- 2 x 240GB M.2 Drive in RAID-1 with Boot Optimized RAID controller		
	RAID controller should support RAID 0, 1, 5, 6, 10, 50, and 60		
	RAID controller should be proposed with minimum 4GB of Flash backed write cache module.		
Memory	Should have at least 32 DIMM slots per server and support minimum up to 8TB of DDR4 memory.		
	Should be proposed with minimum 256 GB of DDR4 Memory with minimum 64GB RDIMM DDR4-3200 MHz		
	Support for advanced memory redundant technologies like Advanced error-correcting code (ECC) and memory mirroring.		
Network	Should have 2 * 10 GbE LAN ports, 4 * 1 GbE Base-T LAN ports & 2 *10Gbps SFP+ network ports with SFP+ modules/AOC		
Host Bus Adapter	Should support 2*16 Gbps Host Bus Adapter FC ports		
PCIe Slots	Should support up to 3 PCIe latest Generation slots		
Monitoring & Management	Should support out of band upgrades, Agentless out-of-band management, integrated diagnostics and Power monitoring and reporting.		
	Should support industry standard management protocols like IPMI v2 and SNMP v3.		
	Should have dedicated management port		
	Should support multiple management interfaces including web user interface and command line interface.		



Security Feature	Should provide Firmware inventory and management (non interactive firmware updates), with firmware inventory scheduler		
	The solution should provide Server utilization statistics collection (firmware updates and diagnostic tools, should also supported)		
	Should support Hardware Policy based security		
	Should support anti-counterfeit measures to guarantee authenticity		
Interface	Support infrastructure firmware updates & upgrades. And support for system lockdown		
	Should support Secure Debug BIOS and BMC Comms		
OS/ Virtualization Software	1-Gbps RJ-45 Management port, 1 serial port, Minimum 2 USB Ports & VGA video port and VGA Controller.		
	Should support Microsoft Windows Server, Red Hat Enterprise Linux (RHEL), SUSE Linux Enterprise Server (SLES), VMware.		
Others	Should be proved with 2 x VMware vSphere 7 Std (for 2 cpu, 16 core each) 3-years, Support Services.		
	Dual, Hot-Plug, Redundant Power Supply (1+1)		
Warranty & Support	Security Bezel, Rail Kit and cable management arm to be provided along with the server.		
	3 years 24x7 comprehensive OEM warranty with mission critical on-site support with parts replacement and labor within short times. Warranty support SKU and relevant datasheet should be provided with the technical compliance document.		

Server for Existing Applications (Type-3)			
Features	Required Specifications	Compliance	Remarks
Quality	ISO 9001/9002 for manufacturer, FCC Class A/B for quality assurance.		
Brand	Internationally reputed brand. To be mentioned by Bidder.		
Model	To be mentioned by the bidder		
Country of Origin	USA/UK/EU		



Manufacturing Country	To be mentioned by the bidder		
Quantity	01 (One) Unit		
Environmental	Maintain International Quality Environmental Safety Standard		
Form factor	Rack mountable		
Processors	Each server should have Two (02) numbers of latest Intel 4314 (2.4GHz /135W / 16-Core/ 24MB Cache) processor		
Chipset	Intel® C621A series chipset or latest		
Internal Storage	Server should be provided with		
	- 6 x 2.4 TB 12G SAS 10K RPM SFF HDD		
	- 2 x 240GB M.2 Drive in RAID-1 with Boot Optimized RAID controller		
	RAID controller should support RAID 0, 1, 5, 6, 10, 50, and 60		
Memory	RAID controller should be proposed with minimum 4GB of Flash backed write cache module.		
	Should have at least 32 DIMM slots per server and support minimum up to 8TB of DDR4 memory.		
	Should be proposed with minimum 256 GB of DDR4 Memory with minimum 64GB RDIMM DDR4-3200 MHz		
Network	Support for advanced memory redundant technologies like Advanced error-correcting code (ECC) and memory mirroring.		
	Should have 2 * 10 GbE LAN ports, 4 * 1 GbE Base-T LAN ports & 2 *10Gbps SFP+ network ports with SFP+ modules/AOC		
Host Bus Adapter	Should support 2*16 Gbps Host Bus Adapter FC ports		
PCIe Slots	Should support up to 3 PCIe latest Generation slots		
	Should support out of band upgrades, Agentless out-of-band management, integrated diagnostics and Power monitoring and reporting.		
	Should support industry standard management protocols like IPMI v2 and SNMP v3.		
	Should have dedicated management port		



Monitoring & Management	Should support multiple management interfaces including web user interface and command line interface.		
	Should provide Firmware inventory and management (non interactive firmware updates), with firmware inventory scheduler		
	The solution should provide Server utilization statistics collection (firmware updates and diagnostic tools, should also supported)		
Security Feature	Should support Hardware Policy based security		
	Should support anti-counterfeit measures to guarantee authenticity		
	Support infrastructure firmware updates & upgrades. And support for system lockdown		
	Should support Secure Debug BIOS and BMC Comms		
Interface	1-Gbps RJ-45 Management port, 1 serial port, Minimum 2 USB Ports & VGA video port and VGA Controller.		
OS/ Virtualization Software	Should support Microsoft Windows Server, Red Hat Enterprise Linux (RHEL), SUSE Linux Enterprise Server (SLES), VMware.		
	Should be proved with 2 x VMware vSphere 7 Std (for 2 cpu, 16 core each) 3-years, Support Services.		
Others	Dual, Hot-Plug, Redundant Power Supply (1+1)		
	Security Bezel, Rail Kit and cable management arm to be provided along with the server.		
Warranty & Support	3 years 24x7 comprehensive OEM warranty with mission critical on-site support with parts replacement and labor within short times. Warranty support SKU and relevant datasheet should be provided with the technical compliance document.		

