

REQUEST FOR QUOTATION – SERVER AND STORAGE SYSTEMS

1. INTRODUCTION

The Eastern and Southern Trade and Development Bank (TDB) Bank is fully virtualized on VMware’s virtualization platform. The Bank wishes to increase the computing and processing power on its virtualization environment and thus invites proposals for the supply of 1(one) physical Server and 1 (one) storage with the following specifications.

1.0 SOLUTION REQUIREMENTS

The proposed solutions/products should meet the following minimum requirements or configuration:

1.1 The Server -Quantity: 1(One)

Item	Description of Minimum Requirement	Compliance Matrix
Processor Type	Intel	
Processor family	Intel® Xeon® Scalable 8200 series Intel® Xeon® Scalable 6200 series Intel® Xeon® Scalable 5200 series	
Processor core available	28 per processor	
Processor cache	38.50 MB L3, per processor	
Processor Name	Intel® Xeon® Scalable processors	
Processor number	4	
Processor speed	3.6 GHz minimum	
Maximum memory	12.0 TB with 512 GB Persistent Memory	
Memory type	DDR4 SmartMemory and Persistent Memory	
Memory, standard	12.0 TB (24 X 512 GB) Persistent Memory	
Drive requested	4	
Included hard drives	Total capacity of the 4 drives is 2 TB	

Item	Description of Minimum Requirement	Compliance Matrix
Infrastructure management	iLO Standard with Intelligent Provisioning (embedded) and OneView Standard (requires download) are included Optional: iLO Advanced, iLO Advanced Premium Security Edition and OneView Advanced (with license)	
Expansion slots	16 minimum	
Network controller	Optional FlexibleLOM	
Storage controller	Smart Array S100i or Smart Array Controllers	
System fan features	12 (11+1) Hot plug redundant standard	
Form factor	Rack (4U)	
Warranty	3/3/3 - Server Warranty includes three years of parts, three years of labor, three years of onsite support coverage.	
Virtualisation	Supporting VMware ESXI, Hyper-V, VirtualBox	
Mirror	RAID 5, RAID 6	
Power Supply	2+N	
Green Star Energy	Yes	
Additional Information		
The storage network connectivity required is 10 Gbps fiber		
Quotation should include FOUR VMware 6.7 latest edition licenses to cover 4 CPUs		
Quotation should indicate the prices for options of 12TB, 6TB and 3TB RAM		
The ILO & One-view license edition should be able to support 300 virtual machines		

1.2 The NETAPP FAS2750-106-C - Quantity: 1(One)

Item	Description of Minimum Requirement	Compliance Matrix
Device Type	NAS server	
Host Connectivity	10 Gigabit Ethernet	
Enclosure Type	Rack-mountable - 2U	
Total Storage Capacity	43.2 TB	
Installed Devices / Modules Qty	24 (installed) / 24 (max)	
Width	17.6 in	
Depth	18.9 in	
Height	3.3 in	
Processor / Memory		
RAM	64 GB	
Flash Memory Installed	8 GB	
Storage Controller		
Type	RAID	
RAID Level	RAID 1, RAID 4, RAID 6, RAID 61, RAID DP	
Hard Drive		
Type	SSD - hot-swap	
Capacity	4 x 960 GB	
Interface Type	SAS	
Hard Drive (2nd)		
Type	HDD - hot-swap	
Capacity	24 x 1.8 TB	
Interface Type	SAS	
Spindle Speed	10000 rpm	
Networking		
Data Link Protocol	GigE, 10 GigE	
Network / Transport Protocol	iSCSI, SMB, NFS, pNFS	
Network Services Compatibility	Microsoft CIFS, Network File System (NFS), Server Message Block (SMB), Parallel Network File System (pNFS)	
Features	Adaptive QoS, NetApp RAID-DP technology, NetApp RAID-TEC technology	
Expansion / Connectivity		
Expansion Bays	24 (total) / 0 (free) x hot-swap	
Interfaces	4 x Ethernet 10Gb 4 x SAS 12Gb/s	
Miscellaneous		



Item	Description of Minimum Requirement	Compliance Matrix
Compliant Standards	CSA, VCCI, BSMI, EN 60950, ICES-003, EN 61000-3-3, EN55024, UL 60950, CB, IRAM, RoHS, KCC, FCC Part 15 A, EN 60825-1, SONCAP, AS/NZS CISPR 22, BIS, IEC60950-1, EN61000-3-2, EN61000-3-3, CU, LoA, NRCS	
Power		
Power Device	Internal power supply	
Max Supported Qty	2	
Voltage Required	AC 120/230 V (50/60 Hz)	
Software / System Requirements		
Storage Operating System	Data ONTAP	
OS Supported	IBM AIX, Apple MacOS, HP-UX, Linux, Microsoft Windows 2000, Microsoft Windows XP, Microsoft Windows Server 2003, Microsoft Windows Server 2008, Oracle Solaris, Microsoft Windows Server 2012, VMware ESX, Microsoft Windows Server 2016	
Environmental Parameters		
Min Operating Temperature	41 °F	
Max Operating Temperature	113 °F	
Humidity Range Operating	8 - 90% (non-condensing)	
Warranty	5/5/5 - Warranty should include five years of parts, five years of labor, and five years of onsite support.	
Additional Information		
	There are spare 10G ports on Management switch, but the proposal should include 4 transceivers to reduce speed from 10G Ethernet to 1G	
	Quotation should include a shelf-conversion kit for converting existing FAS2552 storage box and its capacity to a shelf that connects to the new storage box	
	Quotation should include 8Gbps SFP transceiver as the switch is 8Gbps	

2.0 PROPOSAL REQUIREMENTS

The technical proposal submissions should contain detailed explanations where necessary, of how the proposed solution meets our requirements above. The financial proposals shall be opened upon completion of the technical proposal evaluation.

3.0 FURTHER INFORMATION AND CLARIFICATIONS

Requests for further information and clarifications on requirements should be directed to rfpenquiries@tdbgroup.org

4.0 SUBMISSIONS

Both the Technical and Financial Proposals in separate pdf documents should be submitted to the email address procurement@tdbgroup.org no later than 5pm Nairobi Time on the 22nd of November 2019.

Note:

- ✓ A bidder is free to quote for one or both items.
- ✓ **The submission period has been extended until 5pm Nairobi Time on the 27th of November 2019.**

Disclaimers: TDB Group reserves the right to independently verify submitted documents, listed clients and similar works. TDB Group is not obliged to give reason for not selecting any persons/firm. TDB Group reserves the right to discontinue this process without reference to any entity.