Tender for the Hardware Upgrade and Maintenance of "IBM Filenet & DataCap" Document Management System of EPF Department of the Central Bank of Sri Lanka

CLARIFICATIONS TO BIDDING DOCUMENTS

Clarification Document No: 02

Date: 2024.03.15

These clarifications are for the questions raised by the prospective bidders referring to the tender documents issued on 2024.02.29 on the above tender.

01	Reference	Document	Annex II – Schedule of Requirements
		Section	3.3: SAN Storage
		Clause(s)	Drive Composition 14 x 8TB 7.2K NL-SAS HDD (or any higher speed disk)
	Question		**Would it be acceptable to propose an alternative configuration of 12 x 10TB 7.2K NL-SAS HDDs instead**
	Response		Minimum number of disks and the total raw capacity should not be reduced.

02	Reference	Document	Annex II – Schedule of Requirements
		Section	3.4: System Software Licenses
		Clause(s)	Windows Server 2022 Standard core licenses with software assurance for three (03) years
	Question		**Could you please confirm if it is possible to submit a quote excluding software assurance from the Original Equipment Manufacturer (OEM)?**
	Response		Software assurance is required.

03	Reference	Document	Annex II – Schedule of Requirements
		Section	3.5: SAN Switch
		Clause(s)	8 ports must be activated with appropriate 16Gb/s transceivers
	Question		**It is mentioned that each of the four SAN switches should have 8 activated ports. We seek confirmation on this requirement.**
	Response		It is required.

	Reference	Document	Annex II – Schedule of Requirements

04		Section	3.6: Backup Software
		Clause(s)	
	Question		**Could you clarify if the requirement is solely for the backup software license, or does it extend to the implementation of the backup software as well**
	Response		Implementation of the backup software is required.

05	Reference	Document	Annex II – Schedule of Requirements
		Section	3.10: Ethernet Switches
		Clause(s)	**Hardware Features:** Stack Cable of Length 0.5m - Stack Wise Cable, Direct Attached Cable (DAC), or Active Optical Cables (AOC)
	Question		**Could you specify the required speed for the DAC or AOC cable?**
	Response		Cable speed should fulfill the stacking throughput.

06	Reference	Document	Annex II – Schedule of Requirements
		Section	3.10: Ethernet Switches
		Clause(s)	**Interface: Ports with Transceivers** Minimum 40/100GE Ports (QSFP28) with Transceiver Modules – 2 Nos
	Question		**Could you please elaborate on the intended purposes for these ports?**
	Response		These ports will be used for stacking purpose if dedicated stack ports are not available.

07	Reference	Document	Annex II – Schedule of Requirements
		Section	3.10: Ethernet Switches
		Clause(s)	**Interface: Ports with Transceivers** Minimum 40/100GE Ports (QSFP28) with Transceiver Modules – 2 Nos
	Question		**Can we propose Switches which are compatible only with 40G and cannot be expanded to 100G?**
	Response		No

08	Reference	Document	Annex II – Schedule of Requirements
		Section	3.10: Ethernet Switches
		Clause(s)	**Interface: Ports with Transceivers** Minimum 40/100GE Ports (QSFP28) with Transceiver Modules – 2 Nos
	Question		**Can we propose Switches which are compatible only with 40G and cannot be expanded to 100G?**
	Response		No.
	Question		**What are the transceiver modules to be included? Is it 40G or 100G?**
	Response		100G Transceiver required.
	Question		**Above SFPs should be Multimode or Single mode?**
	Response		Multimode.

09	Reference	Document	Annex II – Schedule of Requirements
		Section	3.1 Solution Deployment Diagram 3.2 Servers for Virtualization 3.3 SAN Storage
		Clause(s)	
	Question		**We are considering the option of proposing standalone virtualized servers for UAT and DR, equipped with internal HDDs for storage. Could you please confirm if this approach is acceptable?**
	Response		Not acceptable.

10	Reference	Document	Annex II – Schedule of Requirements
		Section	3.1 Solution Deployment Diagram 3.2 Servers for Virtualization 3.3 SAN Storage
		Clause(s)	
	Question		**Hyper-Converged Cluster with Dedicated UAT Server: Alternatively, we are exploring the possibility of proposing a hyper-converged cluster where one server is dedicated solely for UAT purposes. Would this approach be acceptable according to CBSL's requirements**
	Response		Please refer to the requirements specified in the "Annex II – Schedule of Requirements" of the tender documents

| | Reference | Document | Clarification Document 1 |

11		**Section**	# 08
		Clause(s)	
	Question		**As per the information provided on the clarification document, 2 x QSFP28 ports are intended for stacking. Hence 2 x 100G QSFP28 DAC cables will be populated to these ports for stacking. As per the clarification #08 in the document, 100G QSFP28 transceivers are requested. Do we need to propose 100G QSFP28 transceivers separately because stacking is already fulfilled using 100G QSFP28 DAC cables?**
	Response		Separate transceivers are not required if DAC cable is provided.

12	**Reference**	**Document**	Annex II – Schedule of Requirements
		Section	3.10: Ethernet Switches
		Clause(s)	**Interface: Ports with Transceivers** Minimum 40/100GE Ports (QSFP28) with Transceiver Modules – 2 Nos
	Question		**What is the type (Multimode or Single mode) of 10G SFP+ transceivers required?**
	Response		Multimode fiber

12	**Reference**	**Document**	Annex II – Schedule of Requirements
		Section	3.3 SAN Storage
		Clause(s)	Host Interface: GigE/ 10GbE (Minimum of 2 per controller)
	Question		**'GigE/10GbE (Minimum of 2 per controller)' for the SAN refers to Base T or Fiber interface?**
	Response		Fiber interfaces

13	**Reference**	**Document**	Annex II – Schedule of Requirements
		Section	3.10 Ethernet Switches
		Clause(s)	Interface: Ports with Transceivers - Minimum 40/100GE Ports (QSFP28) with Transceiver Modules
	Question		**Please specify how many 40G & 100G QSFP Transceivers required**
	Response		2 Nos. (as specified in the minimum technical specification)

14	**Reference**	**Document**	Annex II – Schedule of Requirements
		Section	3.10: Ethernet Switches

		Clause(s)	Interface: Ports with Transceivers Minimum 40/100GE Ports (QSFP28) with Transceiver Modules – 2 Nos
	Question		**What is the actual requirement of this module**
	Response		Refer to response in 06
	Question		**What would be the switch uplink port? (4 * 10G ports or 2 * 40/100GE ports?)**
	Response		10G ports
	Question		**If the proposing switch has dedicated stack ports, would 40/100GE ports required?**
	Response		No