

QUESTIONS AND ANSWERS BATCH 6

Nzwalo Investment Group/Lumacon

NO.	QUESTIONS	ANSWERS
1.	1.Wi-Fi AP Uplink 1.The AP specification states 10GbE PoE++, while the specified access switches have 24 x 1GbE PoE+ RJ45 ports and 4 x 10GbE SFP+ uplinks. 2.Please confirm whether the AP uplink requirement is 10GbE PoE++ or 1GbE PoE+.	The required AP uplink shall be 10GbE PoE+. The access switches specified under the tender provide 24 × 1GbE PoE+ RJ45 access ports and 4 × 10GbE SFP+ uplink ports as minimum requirement. The reference to 10GbE PoE++ in the AP specification should be the same. The APs must be compatible with the specified access-switch PoE+ ports.
2.	2.Number of APs 1.The tender specifies 65 APs and indicates 5 APs per floor. Based on the floors listed, this appears to result in 75 APs. 2.Please confirm the correct total AP quantity and allocation per site/floor.	The required total quantity is 65 Wi-Fi APs. The quantity of 65 APs takes precedence over any calculation indicating 75 APs. The bidder shall provide and install 65 APs in accordance with the final approved wireless design/site survey.
3.	3.Core Switch Capacity - The main specification states a minimum switching capacity of 2 Tbps, while Annex B states a minimum of 480 Gbps. - Please confirm which requirement should be applied.	The applicable minimum switching capacity for the core switches is 2 Tbps. The 2 Tbps requirement in the main technical specification shall take precedence over the 480 Gbps value reflected in Annex B. The core switches must therefore meet or exceed the 2 Tbps minimum switching capacity.
4.	4.Access Switch Capacity 1. The main specification states a minimum switching capacity of 176 Gbps, while Annex B states 128 Gbps. 2. Please confirm which requirement takes precedence.	The applicable minimum switching capacity for the access switches is 176 Gbps. The 176 Gbps

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		requirement in the main technical specification shall take precedence over the 128 Gbps value in Annex B.
5.	5.Network Cabinet Size 1.The main specification and pricing schedule refer to 25U floor-standing cabinets, while Annex B refers to 22U/27U cabinets. 2.Please confirm the required cabinet size and specification.	The required cabinet size is 25U floor-standing cabinets. The 25U cabinet requirement reflected in the main specification and pricing schedule shall take precedence over the 22U/27U reference in Annex B.
6.	6.CAT6A Points and AP Connections 1.The tender specifies 662 CAT6A data points and 65 APs separately. 2.Please confirm whether the CAT6A connections for the APs are included within the 662 points or are additional.	The tender requires 662 CAT6A data points and 65 Wi-Fi APs. The CAT6A cabling required for the APs shall be accommodated within the overall structured-cabling solution and shall not result in an additional quantity over and above the approved 662 CAT6A data points, unless specifically identified during the final site validation/design.
7.	7.SFP/SFP28 Quantities and Uplink Design 1.The tender specifies 124 multimode SFP+ modules and 24 x 10G SFP28 modules. The 124 SFP+ modules appear to correspond to four uplinks per each of the 31 access switches; however, the intended use of the 24 core-side modules is unclear. 2.Please confirm the intended 10G uplink topology and allocation of the optical modules.	The tender quantities of 124 multimode SFP+ modules and 24 × 10G optical modules shall be retained as specified in the BOQ. The 124 multimode SFP+ modules are associated with the access-switch 10G uplink requirements, while the 24 optical modules are intended for the core-side 10G connectivity. The bidder shall provide a functional 10GbE uplink topology between the access and core switching layers using the specified quantities and compatible optics.

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8.	8.10G SFP28 Terminology 1.The BOQ refers to 10G SFP28 modules. 2.Please confirm whether these are intended to be 10GbE SFP+ optics or SFP28 modules operating at 10GbE.	The requirement is for 10GbE optical connectivity. Where the BOQ refers to "10G SFP28", the bidder shall provide optics that operate at 10GbE and are fully compatible with the proposed core switches and the required multimode fibre infrastructure. The bidder shall clearly indicate the exact OEM part number and operating speed in its technical submission.
9.	9.ABSA/Sanlam Fibre Link 1.The pricing schedule refers to a single-mode fibre link between the ABSA and Sanlam buildings, while the technical specification refers to inter-building fibre at Head Office. 2.Please confirm the correct buildings, endpoints, route and fibre specification for this link.	The requirement is for the inter-building fibre connectivity identified in the LDSD Head Office solution. The bidder shall validate the actual endpoints, route and cable lengths during the site assessment. The inter-building link shall use single-mode OS2 fibre where building-to-building connectivity is required. The reference to ABSA/Sanlam in the pricing schedule shall be aligned to the approved LDSD Head Office site information and final site validation.
10	10.OM4 Fibre Allocation 1.The tender specifies 1,500 m of 4-core OM4 fibre across Head Office, Capricorn and Vhembe, but the allocation between the sites is not clear. 2.Please confirm the intended allocation and fibre-link topology per site.	The total requirement of 1,500 m of 4-core OM4 multimode fibre shall be retained. The fibre is required for the internal fibre connectivity between the network cabinets/switching locations at the Head Office, Capricorn and Vhembe sites. The exact allocation per site shall be determined from the final approved site survey and fibre route measurements. The bidder shall

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		allow for sufficient fibre to provide the required connectivity at each site.
11	11.OSPF/BGP and Existing Network Integration 1.The configuration requirements mention both OSPF and BGP, but it is not clear where BGP is expected to operate. 2.Please confirm whether BGP is mandatory and whether the configuration/integration of existing routers, firewalls or WAN equipment is included in the bidder's scope.	OSPF shall be used where required for the Layer 3 network routing and integration of the proposed switching infrastructure. BGP is not intended as a mandatory routing protocol for the LAN implementation unless specifically required for integration with the existing WAN environment. The bidder's scope is primarily the supply, installation, configuration and integration of the proposed LAN infrastructure. Any changes to existing WAN, firewall or carrier infrastructure shall be coordinated with SITA and the Department and shall be subject to the approved implementation design.
12	12.Wireless Management 1.The tender requires centralised wireless management. 2.Please confirm whether an existing wireless management platform must be integrated with the proposed solution, or whether the bidder is expected to supply the management platform and associated licences/subscriptions.	The solution shall provide wireless management per site for the proposed 65 APs. The bidder shall include the required management functionality and any necessary licences/subscriptions required to operate the proposed wireless solution for the required support period. The proposed wireless management solution shall be compatible with and integrate with the LDSD network environment.
13	13.Warranty and Support	The solution shall include a minimum 5-year manufacturer warranty and 60-month support,

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NO.	QUESTIONS	ANSWERS
	1.The tender requires a minimum 5-year manufacturer warranty, 60-month support, 4-hour call response and next-business-day repair. 2.Please confirm whether these requirements are expected to be covered by the standard OEM warranty or through an additional OEM support/warranty contract.	including the specified 4-hour call response and next-business-day repair requirements. The bidder shall provide the appropriate OEM warranty/support entitlement or an OEM-backed support contract that fully meets these requirements. Standard warranty that does not meet the specified service levels will not be considered sufficient.