KENYA ELECTRICITY GENERATING COMPANY PLC
KGN-COMM-008-2025
RFx: 5000016582
TENDER FOR KENGEN STIMA PLAZA LOCAL AREA NETWORK UPGRADE
(CITIZEN CONTRACTORS)

Date: 24ʰ March, 2025

CLARIFICATION NO.1

In accordance with the '**Tender for KenGen Stima Plaza Local Area Network Upgrade'**, KenGen hereby issues **Clarification No. 1** as follows:

SNO	Page No	Specifications	Clarifications	KenGen's Response
1	69	Firewall Appliance with 5 Virtual Systems and SandBlast license subscription package for 1 year (1 No. Appliance for Primary DC and 1 No. Appliance for DR Site)	• There is mention of Checkpoint features such as Sandblast is this tender strictly checkpoint tied, or we can propose alternatives of similar solution leader in Gartner Quadrant for more than 3 Years. Please suggest	Sanblast is a generic cyber security term which implies employment of pre-emptive user protection namely threat extraction and advanced email protections. Bidders to propose similar product solution
2	93	Solution must support Management Data Plane Separation (MDPS).	• Is this an SDWAN project since there is mention of Management Data Plane Separation (MDPS) ? Please suggest.	No, this is not an SD WAN project. Kengen refers MDPS (Management data plane separation) by sourcing for solutions that provides devices that have isolated management and data networks. The network system of each domain (plane) is independent and includes interfaces, routes, sockets, and processes etc. Respective bidders should demostrate/prove this through documentation, diagrams etc.

3	94	Solution must support reuse of existing hardware	• Kindly clarify more on the below request as it is not clear "Solution must support reuse of existing hardware." ? Is KenGen already using any Firewall solution for core network. " Please suggest details of the same including Model no and Qty. Can an alternative solution with Buy Back option be proposed	To provide value and save on cost in hardware and Change management, Kengen prefers solutions that allows reuse of the purchased hardware incase of growth in the future by providing autoscale capabilities instead of "rip and replace. Alternative solutions are welcome, but they must meet the requirements indicated in the tender document.
4	94	Solution must have at least 8x 100GbE ports and up to 32x 100GbE ports.	• "Solution must have at least 8x 100GbE ports and up to 32x 100GbE ports." Is this tied to the existing Cisco switches or we can propose a Switch as a solution to full fill the port density?	This requirement is purely in the proposed solution to cater for current requirements and future growth.
5	100	Application Control and URL Filtering	• There is mention of "URL filtering" on the requirements is this part of the DR firewall Use case, or it should be Perimeter Firewall ? These features are Perfimeter Firewall or internet Firewall Feature and not recommended on DC/Internal Firewall. Please confirm	KenGen has use cases where URL filtering capabilities are required in the proposed solutions and there must be as per the tender requirements.
6	98	Successful bidder should implement, configure, Customize and undertake continuous optimization of the Firewall Solution to deliver the following enterprise security services and features: • Intrusion Prevention System • User Identity Acquisition • Application Control and URL filtering • Anti – Bot and Anti – Virus • Threat Emulation (Sandboxing) • Anti – Spam and Email Security • IPSec VPN	• There is mention of Anti – Spam and Email Security is this to be covered by the DC firewall or Perimeter firewall ? since DC firewalls primarily focus on protecting internal resources and managing traffic within the data centre.	KenGen has use cases where anti-spam capabilities are required in the proposed solution and therefore must be as per the tender requirements.

7	90	Data Loss Prevention (DLP)	• There mention of Data Loss Prevention (DLP) solution is the solution Network based DLP or its a full fledge DLP solution covering Data At Rest and Data In motion ? Please confirm	KenGen seeks data visibility and enforcement and enforcement in the proposed firewalls.
8	90	h. 31 million concurrent connections.	• Based on the performance specifications it is mentioned that the DC firewall should handle 31 million concurrent connections for the user count stated of 3000 users on the tender document ?. The perform parameters looks very much on the higier side.	solutions are welcome, but they must meet the requirements indicated in the tender document.
9	94	Solution must have at least 8x 100GbE ports and up to 32x 100GbE ports.	• Regarding the Port Density specifications on the firewall would like clarity since its mentioned "Solution must have at least 2 X 1/10 GbE copper, 8X 1/10 GbE fiber, 6X10/25/40 GbE fiber with respective SFPs and transceivers." and "Solution must have at least 8x 100GbE ports and up to 32x 100GbE ports." there seem to be a mix up on the specifications since there is request of two different port Density for the same DC firewalls ? Please confirm .	The requirement is accurate. Please propose the solution as per the tender requirements.
10	94	b. At least 100 Gbps NGFW Scalability. Includes Firewall, App Control and IPS with logging enabled. c. At least 18 Gbps of Threat Prevention throughput with SSL inspection d. 145 Gbps IPS. e. Maximum of 1.9µSec of firewall latency f. 80 Gbps VPN AES-GCM Throughput	• Kindly clarify where on the specifications you have requested for "At least 80 Gbps of Threat Prevention. Includes Firewall, App Control, URLFiltering, IPS, Anti Malware (Bot, Virus & Spam), DNS Security, Zero-Phishing and Sandboxing with Content Disarm and reconstruction with logging enabled"."At least 18 Gbps of Threat Prevention throughput with SSL inspection " and "145 Gbps IPS." on the same requirement for the DC firewall?	Propose your solution as per the requirements. Attach supporting documentation to the throughput requirements as per the tender document.

		g. 800 Gbps Firewall Throughput (UDP). h. 31 million concurrent connections.		
11	94	Security Management Appliance Qty 2	• Kindly clarify where on the "Security Management Appliance Qty 2" and stated "The proposed Management and Logging appliances will be available in either virtual based appliances or physical appliances. Virtual appliances will be deployed within the current Hyper-V virtual datacenter environment." its not clear is it physical you are looking for or Virtual appliance?	All proposals are welcome, either physical appliance or virtual appliance but they Must be two in quantity.

BIDDER'S ACKNOWLEDGEMENT OF CLARIFICATION NO.1

We, the undersigned hereby certify that the clarification is an integral part of the tender document and the alterations set out in addendum has been incorporated in the tender.

Signed ……………………………………………………………….

Tenderer ………………………………………………………….

Date ………………………………………………………….