



ISO 9001:2015 CERTIFIED

25th June, 2019

To all prospective bidders,

RE: ADDENDUM & CLARIFICATIONS FOR KE-KRA-102514-GO-RFB: IMPROVEMENT OF KRA ICT CONNECTIVITY INFRASTRUCTURE AT KILINDINI PORT (SET 2)

The following is the final set of addendum and clarifications to the bidding document for the above referenced tender;

a). Addendum on Extension of Tender Closing Dates

Kenya Revenue Authority hereby notifies prospective bidders that bid submission date has been extended as follows;

Tender Reference	Tender Description	Tender Closing Date and Time	
		Previous	Current
KE-KRA-102514-GO-RFB	IMPROVEMENT OF KRA ICT CONNECTIVITY INFRASTRUCTURE AT KILINDINI PORT	28 th June, 2019 at 1100hrs EAT time.	10 th July, 2019 at 1100hrs EAT time.

b). Clarifications						
No	Page	Lot	Clarification Questions	Procurement Reference	Response	
1.	156	Lot 1	Required 2 GBPS performance and confirm this is the bare minimum throughput and must encryption required?	Performance and Throughput	Up to 2-Gbps+ performance. Encrypted throughput of up to 500 Mbps 'UP TO' refers to the maximum performance output	
2.	157	Lot 1	Does KRA consider this as critical for functioning of router functionality and these are bare minimum and expansion RAM is required	Memory and Processor	Yes, KRA considers it as critical. Equipment must have at least 4 GB DRAM and 4 GB external memory installed at the point of delivery.	
3.	158	Lot 1	KRA requests that Router have PoE functionality and confirm the objective or nature or PoE on Router for understanding criticality.	Integrated WAN Ports	PoE required to give KRA flexibility to use other devices such as IP Phones, IP Cameras, Switches etc. without additional cabling	
4.	156	Lot 1	Required SD WAN functionality. Does KRA consider it to be critical to have Traffic shaping and must have bi-directional QoS on diverse type of links to optimize performance and meet SLA for High Availability of the SD WAN?	SDWAN Support	Bidders are advised to note that while any other additional features are welcome, the features indicated in the bidding document are fundamental.	
5.	156	Lot 1	Required SD functionality.	SDWAN Support	Bidders are advised to note that while any other additional features are welcome, the features indicated in the bidding document are fundamental.	
6.	156	Lot 1	Does KRA consider it critical for the SD WAN feature to have application awareness and match the WAN status even when lossy or brownouts to applications that need the WAN? Required SD WAN functionality.	SDWAN Support	Bidders are advised to note that while other additional features are welcome, the features indicated in the bidding document are fundamental.	
7.	49	Lot 1 & 2	Does KRA consider to be critical that the SD WAN solution to have automatic and second failover to other Links in the SD WAN router. Bid has mentioned that current project scope covers two (2) Data Centres and selected ten (10) Branch Stations). Then request for 30 Branch routers. What is the exact number?	General	Bidders are advised to note that LOT 1 and LOT 2 are TWO SEPARATE Projects as indicated in the bid document. As indicated in the bid document, only two (2) Data Centres and selected ten (10) Branch Stations are covered under LOT 2. Routers are covered under LOT 1	

8.	Various	Lot 1	What is the aggregated bandwidth (all MPLS links) requirements in the Data centre	General	Current aggregated bandwidth (all MPLS links) at the Data centre is approximated at 1 GB. However, this project is also expected to address future requirements for at least 3 years.
9.	Various	Lot 1	What is the average aggregated bandwidth (all MPLS links) requirements in the Branch offices.	General	Average aggregated bandwidth (all MPLS links) requirements in the Branch offices is approximated at 20 MB. However, this project is also expected to address future requirements for at least 3 years.
10.	157	Lot 1	Please clarify existing infrastructure as is and what Protocol by existing network using is.	General Descriptive Requirement Capable of supporting aggregation of standard Branch SDWAN operations. The device MUST integrate seamlessly with KRA existing infrastructure as is	Existing infrastructure consists mainly of: 1. An enterprise server and hardware infrastructure comprising of Several Standalone and virtualized Servers. 2. An enterprise software, applications and storage infrastructure comprising of over 50 different systems/applications. 3. An enterprise LAN and WAN infrastructure (Logical Star), comprising of Six (6) different Service Providers, over 80 physical locations (WAN nodes), over 4000 LAN nodes and over 5000 users distributed non-uniformly across the physical locations. 4. Two Data Centres (Primary and Secondary) Network protocols in use include mainly EIGRP, BGP and Static Routing Bidders are advised to note that only A LIMITED SCOPE of this infrastructure is covered under this project as indicated in the bid document.
11.	158	Lot 1	Please clarify on licensing and if to be supplied as Licensing for 2 physical devices as recommended would be High Availability	Licensing The controller MUST be supplied with the all the requisite licenses to support SDWAN features for at least 5 years.	Bidders are required to propose suitable solution, including a licensing model while ensuring High Availability and other requirements indicated in the bid document.

12.	158	Lot 1	Please confirm with network diagrams of the intended i.e. links types and primary and other links for SD WAN functionality to understand the scope of work	Installation and Configuration Bidder must install and configure both hardware and software so as to function as an enterprise SDWAN solution	The Network consists of an enterprise LAN and WAN infrastructure (Logical Star), comprising of Six (6) different Service Providers, over 80 physical locations (WAN nodes), over 4000 LAN nodes and over 5000 users distributed non-uniformly across the physical locations. Bidders are advised to note that only A LIMITED SCOPE of this infrastructure is covered under this project as indicated in the bid document.
13.	Various	Lot 1	GARTNER RANKING REQUIREMENTS Gartner Ranking is based purely advisory based on market intelligence. It does not necessarily imply product superiority but reflect broadly current market share. Product compliance to International Standards is a recognized norm of establishing quality of a product. Based on the foregoing, requiring specific placement in a subjective study contravenes Constitution of Kenya 2010 Article 227 (1) and Article 232. Can you consider expunging the requirement of Gartner ranking and replacing with internationally accepted Standards?	GARTNER RANKING REQUIREMENTS	Bidders are required to demonstrate that products (Equipment, Software etc.) provided are reputable, industry tested and proven to meet the highest levels of International Standards. All products that meet Gartner ranking requirements or its equivalent will be considered.
14.	153-154	Lot 1	24 & 48 PORT SWITCHES Pages 153-4 Must provide Software Defined Access Functionality at no additional subscription. This requirement coupled with Point 1 above deliberately point to a specific brand as SDA is a proprietary solution for a specific manufacturer. Can you consider offerings of other SDN technologies?	24 & 48 PORT SWITCHES Pages 153-4	Bidders are required to demonstrate that products (Equipment, Software etc.) provided are reputable, industry tested and proven to meet the highest levels of International Standards. All products that meet this requirement/functionality or its equivalent will be considered

15.	153-154	Lot 1	<p>24 & 48 PORT SWITCHES Pages 153-4 Minimum 1.8 GHz processor (or equivalent), 8GB SDRAM and 16 GB Internal memory. These are specification of a particular vendor.</p> <p>Can you consider switches with equivalent features and system performance that can meet the KRA's needs including switches with mainstreaming hardware architecture?</p>	24 & 48 PORT SWITCHES Pages 153-4	<p>Bidders are required to demonstrate that products (Equipment, Software etc.) provided are reputable, industry tested and proven to meet the highest levels of International Standards.</p> <p>All products that meet this requirement/features or its equivalent will be considered</p>
16.	155	Lot 1	<p>24 PORT SWITCHES Page 155 Must support Advanced Layer 3 switching (IPv4 and IPv6) features, advanced quality of service (QoS), rate limiting, Access Control Lists (ACLs) and Interior Gateway Routing Protocol (IGRP) and OSPF.</p> <p>4-core x86, 2-4-GHz CPU (or equivalent), Minimum 16 GB DRAM, 16 GB Flash Both these requirements are proprietary specification of a specific manufacturer.</p> <p>Can you consider switches with equivalent features and performance that can meet the KRA needs and support international protocols including RIP, OSPF, IS-IS and BGP?</p>	24 PORT SWITCHES Page 155	<p>Bidders are required to demonstrate that products (Equipment, Software etc.) provided are reputable, industry tested and proven to meet the highest levels of International Standards.</p> <p>All products that meet this requirement/features or its equivalent will be considered</p>
17.	Various	Lot 2	<p>Does KRA require that the WAN optimization appliances also have SD WAN support and capabilities?</p> <p>If SD WAN capabilities along with WAN Optimizations is desired what would be required, that the features and support be on same appliance and have a single management?</p>	Enterprise Network Management and WAN Optimization Solution	<p>No, it is not a fundamental requirement that the WAN optimization devices to have SD WAN support and capabilities? Refer to Clarification No 19 above.</p>
18.	Various	Lot 2		Enterprise Network Management and WAN Optimization Solution	

19.	5-7	Lot 1 & 2	<p>Clarification on bid submission (Pages 33&34) of the tender document;</p> <p>2 o. Sealing and Marking of Bids</p> <p>20.1 The Bidder shall seal the original and each copy of the bid in separate envelopes, duly marking the envelopes as "ORIGINAL BID" and "COPY NO. [Number]." The envelopes shall then be sealed in an outer envelope.</p>	Submission of bids	Submission of bids shall strictly be done through the KRA E-Procurement Portal. Refer to the Invitation for Bids on pages 5-7 for more details.
20.	5-7	Lot 1 & 2	<p>Is there another method of submitting our bid in the event the issues that are restricting us from successful registration on the KRA E-Procurement Portal are unable to be resolved? What is the submission method that we are able to use? What is the process that needs to be followed?</p>	Submission of bids	<p>Submission of bids shall strictly be done through the KRA E-Procurement Portal. Refer to the Invitation for Bids on pages 5-7 for more details. Bidders are encouraged to take advantage of the extended closing dates to resolve any issues they could be having while registering on the KRA E-Procurement Portal. Bidders are advised to upload their bids in good time.</p> <p>The tender closing date has been extended up to 10th July, 2019 at 1100hrs EAT time.</p>
21.	5-7	Lot 1 & 2	<p>Could you consider extending the bid submission date by 2 weeks to enables us provide optimal solution.</p>	Bid Extension	

The clarifications/addendum form part of the bidding document and is binding on all bidders. All other terms and conditions of the tender remain the same. Bidders who have already downloaded the bidding documents are required to immediately acknowledge the receipt of this clarification.

Regards,



David Loongo
For: Deputy Commissioner - Supply Chain Management