


ADDENDUM/ CLARIFICATION “SET 1”

30th July 2021.

To all Prospective bidders,

REF: TENDER NO.KRA/HQS/NCB -069 /2020-2021 – PROVISION FOR UPGRADE OF DATABASE HARDWARE AND CONSOLIDATION OF DATABASE LICENSES.

Kenya Revenue Authority wishes to inform prospective bidders of the clarifications / addendum highlighted below:

| NO. | Query reference from Tender | KRA Requirement | Bidders Questions | KRA's Response |
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| 1 | 1.3 TECHNICAL SPECIFICATIONS FOR STORAGE NODES/ SERVERS (Lot 1) QTY 2 | <p>Availability –</p> <ul style="list-style-type: none"> Scalable up to 16 controllers. - Page 61 of Tender document. Number of Controllers - Scalable up to minimum of 32 - Page 62 of Tender document. | There is a discrepancy on the number of controllers required. Please advise | Refer to feature 6 bullet no. 4 on page 61 the storage should have two controllers scalable to 16 controller's, while the requirement on feature 17 on page 62 of the tender document has been waived. |
| 2 | 1.3 TECHNICAL SPECIFICATIONS FOR STORAGE NODES/ SERVERS (Lot 1) QTY 2 | 3. CPU per Array - 2 sockets, 128 cores per Array - Page 61 of Tender document. | <p>High-end storage performance is determined by the number of IOPS and latency and not the cores per Array. They normally utilize cores efficiently and are multi-threaded.</p> <p>Please advise on the latency and IOPS. Only one manufacture has a storage with 128 cores per Array. All other proven leaders in storage</p> | <p>The requirement of 128 cores per array has been waived.</p> <p>The IOPS is specified on page 61 clause 5 bullet no. 4</p>  |

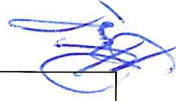


KENYA REVENUE AUTHORITY

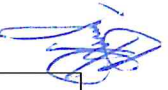
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| | | | <p>manufacture do not produce storage with this many cores but have better performance.</p> <p>Please kindly change the number of cores to enable all manufacture to participate in the bid.</p> | |
| 3 | SECTION VII - SPECIAL CONDITIONS OF CONTRACT | <p>Submission of bids shall strictly be done through the KRA E-Procurement Portal.</p> <p>The Bidders to note that the submission of TECHNICAL AND FINANCIAL proposal shall be submitted separately through the KRA supplier portal. - Page 105</p> | <p>Tender document has not been uploaded to the KRA portal, please advise on when this will be uploaded.</p> | The document is uploaded |
| 4 | Storage Licensing (Feature- Capacity) | <p>Capacity - The storage system shall be supplied with 150 TB Usable disk space with full NVMe disks - Page 61 of the Tender document</p> | <p>The tender has asked for storage features like replication, cloning etc. Our understanding is that the license is for the entire 150TB usable and not effective capacity. Please confirm</p> | Yes , licensing is for entire usable capacity |
| 5 | Features –Processor on Page 59 of the Tender document. | <p>Processor Dual Socket Intel® Xeon® Gold 6254 Processor (24.75 MB Cache, 3.10 GHz , scalable up to four processors equivalent</p> | <p>Is our understanding correct that the bidder can offer also another processor architecture of equivalent performance,</p> <p>If that is the case we can offer a superior processor architecture that could save KRA more than \$5 million over 5 years , through a</p> | This is the minimum requirement bidders can offer equivalent or higher processor architecture |

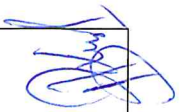
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| | | | system of the highest security and availability | |
| | | | We can provide a multi platform solution including x86 for running Windows applications. | |
| | | | Kindly indicate how many x86 processor cores are required to run Windows workloads | refer to page 59&60 clause 4 the number of cores are 36 and 16 for the primary and DR cluster per server respectively |
| 6 | TECHNICAL SPECIFICATIONS FOR DATABASE SERVERS | processor cores | | |
| 7 | 1.1 TECHNICAL SPECIFICATIONS FOR DATABASE SERVERS- PRODUCTION-PRIMARY CLUSTER, QUANTITY 3 (Lot 1) | Rack mountable with mounting rails, server should fit in the existing racks at the Primary Data Centre - Page 59 of the Tender document. | Can we quote for a Blade server? Blade server will take less space and are more efficient that racks servers | The requirement is for rack mount servers not blade servers |
| 8 | 1.4 TECHNICAL SPECIFICATIONS FOR DATA CENTER FIBRE CHANNEL SWITCHES, QUANTITY - 3 (Lot 1) | Fiber Channel Switch 32 port with 16 port active with 32gb/sec Transceivers and 24 Qty 5M OM4 LC-LC cables - Page 64 of tender document | How many SFPs are we quoting? | Each switch should be fully populated with 16 trans receivers /optics |
| 9 | 1.4 TECHNICAL SPECIFICATIONS FOR DATA CENTER FIBRE CHANNEL SWITCHES, QUANTITY - 3 (Lot 1) | 1.4 TECHNICAL SPECIFICATIONS FOR DATA CENTER FIBRE CHANNEL SWITCHES, QUANTITY - 3 (Lot 1) | Best practise is to have 2 SAN Switches for redundancy. Do we still quote for 3 Switches or increase to 2 per site? | This requirement is amended to provide for 2 switches per site. Total number of switches required is 4. |



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| 10 | 1.5 TECHNICAL SPECIFICATIONS FOR DATA CENTER EXTENDERS SWITCHES, QUANTITY – 2 (Lot 1) | Page 66 | Does the KRA have the upstream parent switch already ? What device is it ? Will the FEX connect via 40Gb or 10Gb ? | KRA has upstream switches the FEX will connect to nexus 7/5k via the 10GB |
| 11 | 1.5 TECHNICAL SPECIFICATIONS FOR DATA CENTER EXTENDERS SWITCHES, QUANTITY – 2 (Lot 1) | Page 66 | Does the KRA need the uplink optics in the BOM to the parent switch | yes refer to Item no. 8 above |
| 12 | 1.2 TECHNICAL SPECIFICATIONS FOR DATABASE SERVERS DR SITE - SECONDARY CLUSTER, QUANTITY – 3 (Lot 1) | Compute LAN I/O Modules 2 separate cards per server each with minimum 2 ports each that support 10/25Gbe, , Including 1G/1 port for hardware management - Page 64 | Please advise on the type of SFP 10/25Gbe to include, BaseT or optics? | 10/25Gbe optics |
| 13 | 1.6 Minimum Technical Specifications for 48-Port Managed Access Switch, Quantity - 2 (Lot 1) | Page 67 | Where will the managed switches be uplinked to? Please advise on the port type and speed | refer to page 67 clause 3 these are Ethernet access switches for the access layer use including for management |
| 14 | 1.6 Minimum Technical Specifications for 48-Port Managed Access Switch, Quantity - 2 (Lot 1) | Page 67 | Will the switches be stacked? | No |
| 15 | 1.7 SERVICES (Lot 1) | Upgrade Databases Database to 19c <ul style="list-style-type: none"> • Simba System • Tax Invoice Management System • DTD | Will KRA provide the Database licenses and Database options for the DataBase to be migrated to the new platform? | This tender has two lot1 for hardware and lot2 for database licenses |



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| | | <ul style="list-style-type: none"> • Integrated Customs Management System Data Warehouse | | |
| 16 | Schedule B: Services. | Page 56 and 61 | The services are listed in Page 56 and 61 of the Tender Doc. Are there any other services apart from these. | These are the main services any additional requirement will be negotiated with the winning bidder |
| 17 | General query | | We could not see any training requirements. Please specify where training requirements are mentioned. Also if required, would this have to be done on site or remote training is | Bidders to include remote training of 5 engineers |
| 18 | General query | | Remote Delivery- Is remote delivery permitted. We assume VPN access. | Remote implementation will be subjected to KRA internal controls. |
| 19 | PRICE SCHEDULE FOR HARDWARE UPGRADE | Pg 52 | What are the timelines for the project. Could not find | KRA expects bidder to implement the project within a reasonable time of frame Bidders expected to provide the implementation work plan |
| 20 | PRICE SCHEDULE FOR HARDWARE UPGRADE | Pg 52 | Is there long term support for the Databases. If yes, 1) could you specify where it is mentioned; and 2) Is remote delivery allowed. Could not find. | The support is for 5 years refer to page 52 clause vii the hardware support includes support for the databases. |



TENDER EXTENSION DATE

| No | Tender Description | PREVIOUS TENDER CLOSING DATE | NEW TENDER CLOSING DATE |
|----|--|--|---|
| 1. | KRA/HQS/NCB -069 /2020-2021 – PROVISION FOR UPGRADE OF DATABASE HARDWARE AND CONSOLIDATION OF DATABASE LICENSES | 3 rd August, 2021 at 11.00 am Times Tower | 13 th August, 2021 at 11.00 am Times Tower |
| 2. | Note: Prospective bidders are hereby advised to align their Tender Security to the new tender opening date i.e 13th August, 2021 to be valid up to and including 13th August, 2022 . | | |

The clarification / addendum form part of the bidding document and is binding to the bidder. All other terms and conditions of the tender remain the same. You are therefore required to immediately acknowledge the receipt of this addendum.

Regards,



Benson Kiruja

For: Deputy Commissioner - Supply Chain Management

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