



# KENYA REVENUE AUTHORITY

ISO 9001:2015 CERTIFIED

## CLARIFICATION / ADDENDUM "SET 1"

24<sup>TH</sup> NOVEMBER, 2020.

To all Prospective bidders,

**REF: TENDER NO.KRA/HQS/NCB-023/2020-2021 –PROPOSED UPGRADE OF THREE (3) SAP HANA DATABASE APPLIANCES FOR KRA iSUPPORT SYSTEM.**

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

No.	Feature	Minimum Specifications	Clarifications	KRA's Response
1	Brand & Model	Internationally recognized and mature brand (Specify brand and model)		
2	Form factor	Rack mountable with mounting rails, The height of the server chassis should be less than 3U.	Lenovo have released their new ThinkSystem SR850V2 server with the latest 3rd Generation Intel Xeon Scalable processors with support for Intel Optane Persistent Memory 200 Series. We highly recommend KRA look at the latest technology.	<b>The proposed hardware should be a certified and supported SAP HANA hardware that is certified for at least SLES for SAP 15 SP1</b>
3	Processor	Four(4) Intel Xeon Gold 6240, base frequency 2.6 GHz, 18 Core, 24-75 Mb Cache, capable of supporting up to 6TB future memory upgrade	Intel Xeon Gold 6240 supports up to 1TB memory per processor. Intel Gold 6240L supports upto 4-5Tb Memory per processor. It is recommended to choose the 6240L processor to achieve 6Tb for future memory upgrades.	<b>The processor is acceptable if it is installed in a server that is available in the SAP HANA certified hardware directory and is compatible with at least SLES SAP 15 SP 1</b>



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4	Memory	Three (3) TB Intel Memory, upgradable to Six 6 TB without reinstalling the operating system.	We will propose 128Gb memory modules to cater for future upgrades.	<b>Configuration of Memory DIMMS should allow for future upgrades.</b> <b>We would prefer 15K</b>
5	Storage	Two(2) 600GB SAS disks, Ten(10) 960GB SSD disks	Are the 600GB SAS disks requested 10K or 15K?	<b>Yes</b>
6	Raid Controllers	8GB NV cache with Support RAID 0, 1, 5 & 10.	Do you require transceivers and cables?	<b>Yes</b>
7	Network Interface	. Two (2) integrated 1 Gigabit Ethernet ports and 2 x 10 GE fiber ports or Electrical ports.	Do you require cables?	<b>Yes</b>
8	Expansion Slots	At least 11 x PCIe 3.0 slots	Apart from future expansion, what is the reason for asking for 11 PCIe 3.0 slots?	<b>For sufficient slot capacity</b>
17.	Operating System	SuSe Enterprise Linux Server for SAP, with 3yr Subscription. It must also support the latest Service Pack release.	There are multiple options available with the SLES for SAP Applications. Kindly confirm which options are required: 1. Virtualization: No virtualization or Unlimited virtualization 2. Is Geo Clustering Extension required? 3. Is Live Patching required? 4. How many years of Priority Support is required for the SUSE software?	<b>No virtualization Live patching is required 3 years support is required.</b>
18.	Migration services	Refer to the attached TOR on page 27 and Provide a response to the Technical requirements for the proposed migration exercise.	Please share current installation like size of DB, existing infrastructure, etc.	<b>DB Size 2088.933GB</b>



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20.	Security	The OEM should provide supply security assurance from factory to KRA Data centre	<p>Can you please detail what is required from the OEM?</p> <p><b>Please clarify the following points</b></p> <ol style="list-style-type: none"> <li>Current SAP S/4 HANA Version (1610 / 1709 / 1809 or 1909) &amp; SP Level</li> <li>Current OS used for all 3 Instances (Development + Quality, Production &amp; DR)</li> <li>Current HW Specifications (Core   Ram   CPU   Storage etc) for all 3 Instances (Development + Quality, Production &amp; DR)</li> <li>Solution Manager details and need details on current usage (CHARM, TMS, Project Management etc.)</li> <li>SAP User Count in Production</li> <li>Is the current SAP environment interfaced with any other 3rd Party System (CRM, Machines, IoT Devices, Banks etc.)</li> <li>Details of SAP Functional Modules Implemented (SAP FI, CO, SD, MM, PP, QM, PM, PS, CS, HR, PY, DMS, CRM etc.)</li> </ol>	<p><b>Bidder should provide relevant Manufacture authorisation for the procurement items including certification from SAP</b></p> <ol style="list-style-type: none"> <li>We are running SAP ECC6.0EHP8 on SAP HANA DB 2.0.</li> <li>SLES 12 SP2</li> <li>The hardware configuration of Production environment: 72CPUs,36COREs,1.4TB MEMORY Dev/QA</li> <li>72CPUs,36COREs,755gb Memory</li> <li>Solution manager 7.2SP10 Usage: CHARM, TMS, EWA</li> <li>265287users</li> <li>Yes</li> <li>SAP FI,CO,MM,PM,HR</li> <li>One legal entity</li> <li>2,025 custom objects</li> <li>Yes</li> <li>Refer to specs herein</li> <li>SLES15SP2</li> </ol>



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No.	Feature	Minimum Specifications	Clarifications	KRA's Response
		Raid Controllers, 8GB NV cache with Support RAID 0, 1, 5 & 10.	Can we configure lower capacity of cache while the lower cache can also meet the requirement and certified by SAP? (It being 2G or 4G)	4GB is acceptable, Requirement is that the cache meets certification by SAP
		Input Devices, Flexible at-the-box Touchscreen LCD, wireless and traditional crash cart management options	Normal we use the management web portal to manage the server remotely; can we provide the server without the touchscreen and wireless?	Requirement for touchscreen is not mandatory, management portal is acceptable
		Cooling fans, At least 8 hot plugs fans with full redundant	Can we configure less than 8 fans while less fans can support maximum 40°C operating temperature and also certified by SAP?	Requirement is that the fans meet N+1 Redundancy and are certified by SAP

No.	Feature	Minimum Specifications	Clarifications	KRA's Response
			Submission deadline extension request by 2 weeks.	The Request for Bid Submission deadline has been extended to <b>1<sup>st</sup> December, 2020 at 11:00AM.</b>
	<p><b>Note:</b> Prospective bidders are hereby advised to align their Tender Security to the new tender opening date i.e <b>1<sup>st</sup> December, 2020</b> to be valid upto and including <b>30<sup>th</sup> November, 2021</b></p>			

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,



**Rhodah Nzovila**

**For: Deputy Commissioner - Supply Chain Management**

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