



KENYA REVENUE AUTHORITY

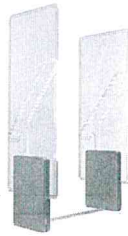
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CLARIFICATIONS / ADDENDUM SET "1"

15th March, 2022

KRA/HQS/NCB/049 2021-2022- SUPPLY, DELIVERY AND INSTALLATION OF RFID SECURITY SYSTEMS FOR KESRA LIBRARIES.

Kenya Revenue Authority wishes to inform prospective bidders of the clarifications highlighted below.

No.	CLARIFICATION	CLARIFICATION RESPONSE.
1.	Single aisle security gates are for sensormatic systems which has nothing to do with RFID systems – What is required here is Fixed RFID Readers & Antenna	<i>Single aisle; two fixed antennae with an aisle in between them for two campuses, example need two of these couples</i> 
2.	You have mentioned that RFID tags should be detected between 1 to 1.5m that refers to NFC/Electromagnetic – RFID has a maximum read range/distance it is not restricted	<i>We need to specify the distance so as to rid of interference from other RFID devices etc. we don't want a scenario where a book is detected from the shelves by the antennae at the entrance. We need Passive tags</i>
3.	Frequency Range/Operating Frequency mentioned is 13.56 Megahertz which is for NFC technology – Recommended Megahertz by CAK for RFID is between 862-868 MHZ	<i>There's UHF (860- Megahertz) and HF (13.56 Megahertz) technologies for RFID, we plan to acquire HF, which is a known and proven technology for library RFIDs, it is also relatively lower in acquisition costs as compared to the UHF (we can leave it open problem will be the costs comparison HF ~KES 3m whereas UHF ~ KES 5M for one campus). UHF tags are the most vulnerable to interference.</i>
4.	Tag detection has been mentioned as 3D detection – RFID has continuous detection/auto detection	<i>This means detection is all round (from all angles)</i>
5.	Installation & Maintenance- there are no major civil works on the floor unless it is Sensormatic – RFID uses fixed readers	<i>There has to be drilling of the floor in which the antennae will be installed, sometimes a cover</i>



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	and antenna that does not require civil works	<i>for cables connecting the two antennae, or how do they plan to install it on the entrance floor?</i>
6.	RFID Staff Workstation & Antenna – What is required for RFID is Handheld and Fixed Reader.	<i>There is RFID hand held and Fixed readers, the staff workstation in this case is the Fixed Reader, similar to a flat-bed scanner connected to a PC</i>
7.	Counter- clarify on People Counter – RFID has no Imager/Camera	<i>Some we benchmarked had RFIDs have people counter in the antennae</i>
8.	How many tags are required?	<i>25,000 Passive tags</i>
9.	How many RFID Handheld readers are required?	<i>2 (two) RFID Staff Workstation for the two campuses</i>
10.	Standards quoted are not RFID Related	<i>The standards here were developed from Libraries who have implemented the system. Let the vendor share the system they propose together with the library they've implemented</i>
11.	The Technical requirements are for Sensormatic, which is an outdated technology.	<i>Sensormatic is a security services/systems company – I am yet to hear of it as a system, it's like talking about 3M which is a company that supplied libraries with electromagnetic (EM) systems</i>

This Clarification form part of the bidding document and is binding to the bidder. All other terms and conditions of the tender remain the same. Prospective bidders are therefore required to immediately acknowledge receipt of this addendum through eprocurement@kra.go.ke

Regards,

Bernard Mukundi.

For: Deputy Commissioner - Supply Chain Management

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