



KENYA ELECTRICITY GENERATING COMPANY PLC

**TENDER FOR INTEGRATED SECURITY MANAGEMENT SYSTEM (ISMS) FOR
EASTERN REGION (KGN-SEC-03-2022)**

(Open International)

CLARIFICATION NO. 3

Date: 31st May 2022.

In accordance with the "Tender for Integrated Security Management System (ISMS) for Eastern Region ", KenGen hereby issues Clarification No. 3 as follows.

NO.	CLARIFICATION SOUGHT	KENGEN'S RESPONSE
1	There is no "I28 Channel VMS server" in Hydro-plaza and Kindaruma BOQ. Please confirm	Include I28 Channel VMS server in Hydro Plaza and Kindaruma.
2	Tender BOQ include "Supply, installation, testing and commissioning of all Controllers of the access control and intrusion alarms for the required readers and other door's" only for Kamburu and hydro plaza. Please explain where to connect the cards readers in other sites.	Include Supply, installation, testing and commissioning of all Controllers of the access control and intrusion alarms for the required readers and other door's in the Gitaru, Masinga, Kindaruma and Kiambere.
3	Solar Lights: Tender BOQ include total of 40 units in Kiambere, Gitaru and Masinga. LOT III: SOLAR SECURITY FLOOD LIGHT include 174 units. Please confirm total number of solar lights Please confirm if the solar lights include 8 meter poles	Bidders to supply the solar security flood lights as per specifications stipulated in the tender document.
4	Please provide PWD gate specification	Width of gate should accommodate wheelchair access i.e., 90cm, Height of gate is that of a standard door - 203.2cm civil works should include ramp for wheelchair access.
5	Column for Mounting Cameras: Please provide cameras poles wall thickness "required height maybe up to 5 meters" - please confirm minimum height There are 2 options for 5 meter pole in the table specification - standard and heavy duty, please confirm which one to use	Minimum height is 5 meters above ground. Use standard duty rating.

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6	<p>Cabinets and switches: In case the 8 port switches in the BOQ are related to the outdoor cameras we assume there are not enough switches and outdoor cabinets to connect all cameras. For example There are 46 outdoor cameras in Masinga and only 5 switches of 8 ports and only 2 outdoor cabinets. For PIDS cameras - assuming that the maximum distance from switch to camera is 100 meters we can connect up to 5 cameras per cabinet. Please clarify.</p>	<p>The 8 port switches in the addendum are not related to the outdoor cameras. The PIDS cameras and all other outdoor cameras shall be connected to the 8 port industrial ruggedized switches. The quantities indicated are deemed sufficient but only serve as a guide, in the event a bidder feels the quantities might not be enough according to their proposed solution then the extra quantity shall be included in the bidders response</p>
7	<p>8 port switch specifications: There are 2 different Cisco models in the tender specification C1000-8FP-2G-L & 3560CX-8PC-S Please confirm which one to propose. Assuming that the 8 port switches are located in the outdoor cabinet the switches will not be able to stand the heat. Max working temp for both models is limited to +45°C , please clarify</p>	<p>The 8 port switches in the addendum are not for PIDS cameras The 8 port switches shall be installed in standard cabinets. No mention has been made of C1000-8FP-2G-L & 3560CX-8PC-S. Equipment supplied shall not have been declared end of life or about to be declared end of life in 3 years.</p>
8	<p>The tender asks for "Systems integration of the local systems (CCTV, PIDS, Access control, K4 Boom barriers) into the SMS/command-and-control system" in each site. However, the tender BOQ include only 1 SMS system server in the RCCC. Please confirm that there is no need for integration in the local sites</p>	<p>Local integration in this context means the stations equipment is fully integrated with the regional SMS server.</p>
9	<p>"The SMS shall have a "built in" 3D (three dimensions) engine to enabling 3D display, to be used whenever required" Please explain the required type of 3D display and location. Please provide the 3D maps or models</p>	<p>This feature is a capability of the SMS system. There is no requirement for a 3D screen.</p>
10	<p>"Point to Point Radios" please confirm if 2 units in the BOQ refer to 1 pair PTP</p>	<p>Confirmed. Two units means one pair.</p>
11	<p>"Fiber Installation works 24 core Multi- mode fiber, pigtailed to replace existing between powerhouse and powerhouse. The scope is installation/laying or supplying as well?"</p>	<p>This was an error please ignore this scope.</p>
12	<p>"Lay 24 Core Single mode underground fiber cable between Kiambere Tail race to Kiambere Power Station service building Control Room</p>	<p>The scope is Supply, Installation/laying and commissioning; as per tender specifications.</p>

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	The scope is installation/laying or supplying as well?"	
13	"Lay 24 Core Single mode underground fiber cable between Kiambere Power Station service building Control Room to Kiambere Water Treatment Plant; Tee-Off at Kiambere Clinic to Kiambere Club ICT Kiosk Room; again Tee-Off along Kiambere Spillway Road to Kiambere Intake The scope is installation/laying or supplying as well?"	The scope is Supply, Installation/laying and commissioning; as per tender specifications.
14	"Run 24-Core Single Mode ADSS overhead fiber cable on concrete poles between Kiambere Spillway to Kiambere Mwingi Gate; Tee-Off at Kiambere Low Level Gate. The scope is installation/laying or supplying as well?"	The scope is Supply, Installation/laying and commissioning; as per tender specifications.
15	Tender BOQ include 2 NVRs (main & backup) in each site, addendum #2 include additional NVR for each site. Same for VMS, monitors, point to point radios, UPS's, etc... Please clarify if the BOQ in addendum #2 is in addition to the tender BOQ.	BOQ in Addendum #2 is an addition to tender BOQ.
16	Addendum #2 page 4 VMS License Details per site / Maximum number of cameras: 50 According to tender BOQ and Addendum #2 there are much more than 50 cameras per site please clarify.	Supply 128 channel VMS license per site.

ACKNOWLEDGEMENT OF CLARIFICATION No. 3

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

Signed.....

Tenderer.....

Date.....