



Kenya Power

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Stima Plaza, Kolobot Road, Nairobi, Kenya

Our Ref: KP1/9A.2/OT/045/SS/23-24/JN/skk

Date: 23<sup>rd</sup> January, 2024

Your Ref:

TO: ALL PROSPECTIVE BIDDERS

Dear Sir/ Madams

**RE: ADDENDUM NO.2. RE- TENDER: PROPOSED DESIGN, SUPPLY, INSTALLATION & COMMISSIONING OF ELECTRONIC SECURITY SYSTEMS IN SELECTED SUBSTATIONS, COMMERCIAL OFFICES & DEPOTS COMPANYWIDE. TENDER NO. KP1/9A.2/OT/045/SS/23-24**

Please refer to the above Tender. The following clarifications and amendments are made to the Principal Tender Document (hereinafter abbreviated as the PTD) for proposed design, supply, installation and commissioning of electronic security systems in selected substations, commercial offices & depots companywide

**1. RELATIONSHIP WITH THE PRINCIPAL TENDER DOCUMENT**

Save where expressly amended by the terms of this Addendum, the PTD shall continue to be in full force and effect. The provisions of this Addendum shall be deemed to have been incorporated in and shall be read and construed as part of the PTD.

**2. CLARIFICATION**

No.	Bidders Querries	Response
1	We are seeking clarification on LOT 4 .whereby there is no BOQ for Athi River Substation but its in the Summary Page Category/LOT 4.(Pg 154)	Athi river substation is not part of this tender and thus the Summary Page Category/LOT 4.(Pg 154) - <b>Sub-total- Athi River Substation CCTV IP- CCTV &amp; Access control</b> should be ignored.
2	Also most on the BOQ's the item No's are not following one another just to mention a few examples	The numbering shall be left and referenced as indicated in the document
a	Machakos Substation Page 2 whereby from item G the next is Item M	The numbering shall be left and referenced as indicated in the document
b	Electricity House Kisumu not clear on the items as there is A,B,C then B, D.....Do we align them or we leave them like that?	The numbering shall be left and referenced as indicated in the document

3	We refer to KPLC Tender No. KP1/9A.2/OT/045/SS/23-24. Kindly clarify on the below queries.	
a	From the BOQ – Category 4, Athi River is missing but it's on the Summary page. It is also not on the schedule of requirements on page 73 but it is in the list of site visits	Athi river substation is not part of this tender and thus the Summary Page Category/LOT 4.(Pg 154) - <b>Sub-total- Athi River Substation CCTV IP- CCTV &amp; Access control</b> should be ignored.
b	As CCTV specifications there are 5 types of cameras on the specifications sheet while on the BOQ's there is a requirement of only 3 types of cameras	Bidders to concentrate on the technical specifications for the cameras requested for in the Bill of quantities
c	Edge Switch Specifications are missing on the tender Document	Refer to attached <b>APPENDIX 6-EDGE SWITCH TECHNICAL SPECIFICATIONS</b>
d	On page 30 of the tender document it states that the tender validity period shall be 180 days while on the form of tender page 53 its indicated 210 days	Tender validity is 180 days
4	We are unable to see the format for the MAF and warranty in this new tender document, kindly confirm if we need to get the new MAF from all the suppliers or we can use the MAF and warranty certificate which we have for the previous tender.	Bidders to get new manufacturers authorization referencing the current tender number and in the format as provided in attached <b>APPENDIX 4</b>

### **3. DEADLINE FOR SUBMISSION OF TENDER.**

The tender closing date shall remain as **31<sup>st</sup> January 2024** at 10.00 a.m. The procuring entity will open the bids online through our E- Procurement Web Portal at 10.30 am on the closing day at Stima Plaza.

### **4. TENDER SECURITY**

The tender security validity period shall be considered from the set initial tender opening date **31<sup>st</sup> January 2024**.

**DR. JOHN NGENO, OGW**  
**GENERAL MANAGER, SUPPLY CHAIN & LOGISTICS**

## APPENDIX 4 - EDGE SWITCH TECHNICAL SPECIFICATIONS

### Edge Switches

The Cisco SG300-28P 26-Port Gigabit PoE Switch OR Equivalent to achieve the following:

#### Key Features

- Twenty-six 10/100/1000 switched RJ-45 ports with auto medium dependent interface (MDI) and MDI crossover (MDI-X) cable detection
- Twenty-four Power over Ethernet (PoE) ports offering up to 180W output
- 2 mini Gigabit Interface Converter (mini-GBIC) slots for fiber and copper Gigabit Ethernet expansion (shared)
- Nonblocking, store-and-forward switching mechanism
- Simplified QoS management enabled by advanced queuing techniques using 802.1p, differentiated services (DiffServ), or type of service (ToS) prioritisation schemes enhances the performance of real-time applications such as voice and video
- Configuration and monitoring from a standard web browser with WebView management
- Secure remote management of the switch via Secure Shell (SSH) and SSL secure channel network protocols
- 802.1Q-based VLANs enable segmentation of networks for improved performance and security
- Private VLAN Edge (PVE) for simplified network isolation of guest connections or autonomous networks
- Automatic configuration of VLANs across multiple switches through Generic VLAN Registration Protocol (GVRP) and Generic Attribute Registration Protocol (GARP)
- Automatic port configuration through auto MDI/MDIX and 802.1ab with Link Layer Discovery Protocol (LLDP) and Universal Plug and Play (UPnP) support
- User/network port-level security via 802.1X authentication and MAC-based filtering
- Increased bandwidth (up to 8x) and added link redundancy with Link Aggregation Control Protocol (LACP)
- Enhanced rate-limiting capabilities provide control, including back pressure to control the rate at which data can flow into and out of a port
- Multicasting, broadcasting, and flooding control
- Port mirroring for noninvasive monitoring of switch traffic
- Simple Network Management Protocol (SNMP) versions 1, 2c, and 3 and Remote Monitoring (RMON) support
- Fully rack mountable using the included rack-mounting hardware

Feature	Technical Specification	Bidder's Response
<b>Edge Switches</b>		
<b>Description</b>	Cisco SG 300-28 Gigabit Switch or Cisco equivalent.	
<b>General</b>	<ul style="list-style-type: none"> <li>• Jumbo frames Frame sizes up to 10 KB supported on 10/100 and Gigabit interfaces</li> <li>• MAC table Up to 8000 MAC addresses</li> </ul>	
<b>Ports</b>	<ul style="list-style-type: none"> <li>• 26 Gigabit Ethernet RJ45</li> <li>• 2x RJ45/SFP Combo Ports</li> </ul>	
<b>Power over Ethernet (PoE)</b>	<ul style="list-style-type: none"> <li>• Maximum power of 15.4W to any Gigabit Ethernet base port. Total power 180W</li> </ul>	
<b>Security</b>	<ul style="list-style-type: none"> <li>• Secure Shell (SSH) Protocol</li> <li>• Secure Sockets Layer</li> <li>• IEEE 802.1X (Authenticator role)</li> <li>• Layer 3 isolation</li> <li>• Port security: Locks MAC addresses to ports, and limits the number of learned MAC addresses</li> </ul>	
<b>Flash; CPU memory; Packet Buffer</b>	16 MB; 128 MB; 4MB	
<b>Cabling Type</b>	<ul style="list-style-type: none"> <li>• Unshielded twisted pair (UTP) Category 5 or better for 10BASE-T/100BASE-TX; UTP Category 5 Ethernet or better for 1000BASE-T</li> </ul>	
<b>Power</b>	<ul style="list-style-type: none"> <li>• Power saving mode: Energy Detect, Short Reach Maximum Consumption 110V = 30.1W / 220V = 30.3W</li> <li>• Heat Dissipation (BTU/hr) 103.4</li> <li>• Power Supply: 100–240V 47–63 Hz, internal, universal</li> </ul>	
<b>Certification</b>	<ul style="list-style-type: none"> <li>• UL (UL 60950), CSA (CSA 22.2), CE mark, FCC Part 15 (CFR 47) Class A</li> </ul>	

**APPENDIX 4**

**1 MANUFACTURER'S AUTHORIZATION FORM**

**(To Be Submitted On Manufacturer's Letterhead)**

**To:**

The Kenya Power & Lighting Company Plc,  
Stima Plaza, Kolobot Road, Parklands,  
P.O Box 30099 – 00100,  
Nairobi, Kenya.

**WHEREAS WE** .....(*name of the manufacturer*) who are established and reputable manufacturers of .....

(*name and description of the Goods*) having factories at .....(*full address and physical location of factory(ies) where Goods to be supplied are manufactured*) do hereby confirm that .....

(*name and address of Supplier*) is authorized by us to transact in the Goods required against your Tender ..... (*insert reference number and name of the Tender*) in respect of the above Goods manufactured by us.

DATED THIS..... DAY OF.....20.....

\_\_\_\_\_  
Signature of duly authorised person for and on behalf of the Manufacturer.

\_\_\_\_\_  
Name and Designation of duly authorised person signing on behalf of the Manufacturer

**NOTES TO TENDERERS AND MANUFACTURERS**

1. *Only a competent person in the service of the Manufacturer should sign this letter of authority.*

## 2 MANUFACTURER'S WARRANTY FORM

**To Be Submitted On Manufacturer's Letterhead)**

**To:**

The Kenya Power & Lighting Company Plc,  
Stima Plaza, Kolobot Road, Parklands,  
P.O Box 30099 – 00100,  
Nairobi, Kenya.

**RE: MANUFACTURER'S WARRANTY FOR GOODS REQUIRED UNDER TENDER NO**  
**..... TO BE SUPPLIED BY .....***(indicate your name or the*  
*supplier you have authorized)*

**WE HEREBY WARRANT THAT:**

- a) The Goods to be supplied under the contract are new, unused, of the most recent or current specification and incorporate all recent improvements in design and materials unless provided otherwise in the Tender.
- b) The Goods in the Tenderer's bid have no defect arising from manufacture, materials or workmanship or from any act or omission of the Tenderer that may develop under normal use of the Goods under the conditions obtaining in Kenya.

The Warranty will remain valid for \_\_\_\_\_ after the Goods, or any portion thereof as the case may be, have been delivered and accepted to the final destination indicated in the contract.

DATED THIS..... DAY OF.....20.....

\_\_\_\_\_  
Signature of duly authorized person for and on behalf of the Manufacturer.

\_\_\_\_\_  
Name and Capacity of duly authorized person signing on behalf of the Manufacturer.

### **NOTES TO TENDERERS AND MANUFACTURERS**

1. *Only a competent person in the service of the Manufacturer should sign this letter of authority.*
2. *Provide full contact details including physical address, e-mail, telephone numbers and the website on the Warranty.*