

**Central Office** – P.O. Box 30099 – 00100,  
 Telephone – 254-02-3201000  
 Fax No. 254-02-3514485  
 Stima Plaza, Kolobot Road, Nairobi, Kenya

**Our Ref:** KP1/9A.2/OT/014/SS/23-24/JM/skk  
**Your Ref:**

Date: 9<sup>th</sup> October ,2023

**TO: ALL PROSPECTIVE BIDDERS**

Dear Sir/ Madams

**RE: ADDENDUM NO. 2 SUPPLY & INSTALLATION OF FIRE ALARM & PROTECTION SYSTEMS FOR OFFICES & STORES TENDER NO. KP1/9A.2/OT/014/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 Supply & Installation of Fire Alarm & Protection Systems for Offices & Stores.

**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 concern	Response
1	Clarity sought on what cost Elements to be factored in Manufacturers training	Only training cost and meals during the training to be factored by bidders. Per diem to be budgeted and taken care by the client.
2	Clarity sought on Additional Fire exist doors for Electricity house Kisumu	No additional Fire exit doors & related equipment to be factored in. Current provision in the Bill of quantity and Schedule of requirement to remain. Doors to be distributed during implementation as shall be guided by client.
3	Design Drawings /Layout	Bidders to attach Proposed Preliminary design Layout (schematic and Block diagram) for their proposed solution on page 68(TECHNICAL PROPOSAL) and Drawing section from on page 138.

4	Clarity on Ruaraka Pump-Clarity sought on if to dismantle existing water pump/tank structure and mount the new one in the same position or do separate structure	New structure will be done adjacent to the workshop.
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**3. SCHEDULE OF RATES AND PRICES**

The price schedule has been removed and replaced with a new detailed price schedule which has been signed.

**4. DEADLINE FOR SUBMISSION OF TENDER.**

The tender closing date has been extended from **12<sup>th</sup> October 2023** to **19<sup>th</sup> October, 2023** 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.

**5. TENDER SECURITY**

The tender security validity period shall be considered from the initial set closing date **12<sup>th</sup> October, 2023**.



**JANE MUIGAI**  
**SUPPLY CHAIN MANAGER, PROCUREMENT**

**SCHEDULE OF RATES AND PRICES**

**SCHEDULE NO. 1. FIRE ALARM & PROTECTION SYSTEMS FOR OFFICES & STORES  
LOT 1 - RUARAKA COMPLEX**

S/NO	DESCRIPTION	UOM	QTY	UNIT PRICE (VAT EXCL)	TOTAL COST (VAT EXCL)	TOTAL COST (VAT INCL)
<b>Section A</b>	<b><u>Supply and Install the following:-</u></b>					
1.	6" GI pipe c/w interconnecting fittings for connection in the pump room	LM	12			
2.	4" GI pipes; allow for welding to interconnect the pipework	LM	650			
3.	4" GI bends	PCS	15			
4.	4" GI tee	PCS	13			
5.	4"x2.5" reducing socket	PCS	10			
6.	4" flanges --2pcs per set including bolts and nuts	SETS	10			
7.	2.5" GI pipe c/w fittings for connection of the hydrant valve on each hydrant point	LM	18			
8.	4"/6" Sluice valves	PCS	8			
9.	4" x 1" reducing bush	PCS	4			
10.	1" air release valves	PCS	4			
11.	Allow for excavation and making good where pipes will be laid underground	ITEM	1			
12.	Allow for pipes anchorage	ITEM	1			
13.	Hydrant hose cabinet comprising of 3pcs 30m length x2.5" dia delivery fire hose, 1pc controllable branch pipe	SETS	6			
14.	Pillar hydrant valves	PCS	10			
15.	Dual wheeled operated water cum foam monitor -63mm	PCS	2			
16.	Fire brigade - inlet breechings	PCS	2			
17.	Duty of the main electric fire pumps; 2500lpm @10bars	SET	1			
18.	Duty of the jockey pumps; 2.5l/s @10.5bars	SET	1			
19.	Control panel inclusive of a changeover (to support dual power sources)	SET	1			

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S/NO	DESCRIPTION	UOM	QTY	UNIT PRICE (VAT EXCL)	TOTAL COST (VAT EXCL)	TOTAL COST (VAT INCL)
	23A.09 Masonry walls	m <sup>2</sup>	40			
	23A.10 Plastering	m <sup>2</sup>	40			
	23A.11 Water proofing with of type SikaTop Seal-107 proofing	m <sup>2</sup>	30			
	23A.12 Construction of roof with appropriate drainage cutters	m <sup>2</sup>	24			
	23A.13 Paint work	Item	1			
	23A.13 Door & Vents/Windows	Item	1			
	23A.14 Tiling & Flooring works	Item	1			
	23A.15 Roofing & tanks protective wiremesh	Item	1			
24.	Integrated wall sounder and Beacon complete with clip fixing assembly and relays	ITEM	1			
25.	Allow for painting of the hydrant pipes with fire red paint	ITEM	1			
26.	Allow any other accessories to make system complete	SET	1			
27.	Allow for as Built Documentation	Item	1			
<b>Section B</b>	<b>supply and install the following: -</b> Allow for restoration of old transport section pipework (replace defective pillar hydrants and delivery hoses, new cabinets, any leakages of pipes)					
28.	Allow for pipes anchorage	ITEM	1			
29.	Hydrant hose cabinet comprising of 3pcs 30m length x2.5" dia delivery fire hose, 1pc controllable branch pipe	SETS	5			
30.	Pillar hydrant valves	PCS	5			
31.	6" GI pipe per meter c/w interconnecting fittings for connection in the pump room; Class C GI Pipes	M	12			
32.	4" GI pipe per meter	M	340			

S/NO	DESCRIPTION	UOM	QTY	UNIT PRICE (VAT EXCL)	TOTAL COST (VAT EXCL)	TOTAL COST (VAT INCL)
	allow for welding to interconnect the pipework, c/w interconnecting fittings for connection of the Pillar hydrant valves; Class C GI Pipes					
33.	Supply and install (replace) 30m x ¾" Swinging Manual Hose Reels	PCS	5			
<b>Section C</b>						
	<b>Others</b>					
34.	<b>EXISTING AND ADJACENT PROPERTY</b> The Contractor must take all steps necessary to safeguard existing and adjacent property, make good any damage to property caused thereon. The Contractor will be fully responsible for the safety of the existing and adjacent buildings and for any damage caused in consequence of these Works. Reinstate all damage areas including roads. The Contractor must take such steps and exercise such care and diligence as to minimize nuisance from dust, noise or any other cause to the occupants of the existing and adjacent property.	SET	1			
35.	<b>NATIONAL CONSTRUCTION AUTHORITY LEVY (NCA)</b> The contractor shall comply with any required NCA approvals including any costs associated with execution of the works and registration of project.	SET	1			
36.	<b>DEVELOPMENT APPROVALS</b> The contractor shall allow for all necessary county government permits & approvals with regard to these works. No claim for failure to comply with county governments requirements shall be entertained Allow for all necessary permits/approvals by the County Government of Nairobi	SET	1			
37.	<b>KENYA URBAN ROADS AUTHORITY LEVY (KURA)</b> The contractor shall comply with any required KURA approvals including any costs associated with execution of the works, road crossing and tunneling. (no overhead crossing for GI pipes)	SET	1			
	<b>TOTAL LOT 1</b>					

Name of Tenderer \_\_\_\_\_

Signature & Official Stamp \_\_\_\_\_

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LOT 2 – ISIOLO RD STORES & WORKSHOP

S/NO	DESCRIPTION	UOM	QTY	UNIT PRICE (VAT EXCL)	TOTAL COST (VAT EXCL)	TOTAL COST (VAT INCL)
<b>PART I</b>	<b>FIRE HYDRANT SYTSEM</b>					
<b>Section A</b>	<b>Supply and Install the following:-</b>					
1.	6" GI pipe c/w interconnecting fittings for connection in the pump room; Class C GI Pipes	LM	12			
2.	4" GI pipes; allow for welding to interconnect the pipework; Class C GI Pipes	LM	250			
3.	2" GI pipes; allow for welding to interconnect the pipework; Class C GI Pipes	LM	160			
4.	1" GI pipes; allow for welding to interconnect the pipework	LM	12			
5.	4" GI bends	PCS	13			
6.	4" GI tee	PCS	7			
7.	4"x2.5" reducing socket	PCS	6			
8.	4" flanges --2pcs per set including bolts and nuts	SETS	10			
9.	2.5" GI pipe c/w fittings for connection of the hydrant valve on each hydrant point	LM	18			
10.	4"/6" sluice valves	PCS	3			
11.	4" x 1" reducing bush	PCS	2			
12.	1" air release valves	PCS	2			
13.	Allow for excavation and making good where pipes will be laid underground	ITEM	1			
14.	Allow For Pipes anchorage	ITEM	1			
15.	Hydrant hose cabinet comprising of 3pcs 30m length x2.5" dia delivery fire hose, 1pc controllable branch pipe	SETS	6			
16.	30m x 3/4" Swinging Manual Hose Reels	PCS	4			

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S/NO	DESCRIPTION	UOM	QTY	UNIT PRICE (VAT EXCL)	TOTAL COST (VAT EXCL)	TOTAL COST (VAT INCL)
17.	Pillar hydrant valves	PCS	4			
18.	Dual wheeled operated water cum foam monitor -63mm	PCS	1			
19.	Fire brigade - inlet breechings	PCS	1			
20.	Duty of the main electric fire pumps; 2500lpm @10bars	SET	1			
21.	Duty of the jockey pumps; 2.5l/s @10.5bars	SET	1			
22.	Control panel inclusive of a changeover (to support dual power sources)	SET	1			
23.	Foam bladder tank c/w foam mix, necessary accessories and its booster pump, control panel	SET	1			
24.	Allow for electrical cabling for pumps connection; including main supply cable appropriate with the loading	ITEM	1			
25.	10,000litres PVC tanks c/w interconnecting valves and fittings	PCS	2			
26.	PUMP HOUSING (also to act as base for the tanks)					
	<b>PUMP HOUSING</b>	<b>UOM</b>	<b>QTY</b>			
	26A.01 Provide, place and compact class 30/20 concrete	m <sup>3</sup>	5			
	26A.02 As item 26A.01 but class 15/20 for blinding	m <sup>3</sup>	4			
	<b>Formwork: Provide, erect and afterwards dismantle and remove</b>					
	26A.03 Vertical formwork to achieve class F3 finish	m <sup>2</sup>	15			
	26A.04 Vertical formwork to achieve class F2 finish	m <sup>2</sup>	8			
		SET	1			

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S/NO	DESCRIPTION	UOM	QTY	UNIT PRICE (VAT EXCL)	TOTAL COST (VAT EXCL)	TOTAL COST (VAT INCL)
26A.05	As item 26A.03 but horizontal	m <sup>2</sup>	40			
26A.06	As item 26A.04 but horizontal	m <sup>2</sup>	20			
	<b>Reinforcement:</b> Provide, bend and fix into position					
26A.07	High yield steel bars to BS 4461 of sizes 16mm and above	Kgs	100			
26A.08	As item 26A.07 but of size 12mm and below	Kgs	50			
	<b>Finishing:</b>					
26A.09	Masonry walls	m <sup>2</sup>	40			
26A.10	Plastering	m <sup>2</sup>	40			
26A.11	Water proofing with of type SikaTop Seal-107 proofing	m <sup>2</sup>	30			
26A.12	Construction of roof with appropriate drainage cutters	m <sup>2</sup>	24			
26A.13	Paint work	Item	1			
26A.13	Door & Vents/Windows	Item	1			
26A.14	Tiling & Flooring works	Item	1			
26A.15	Roofing & tanks protective wiremesh	Item	1			

S/NO	DESCRIPTION	UOM	QTY	UNIT PRICE (VAT EXCL)	TOTAL COST (VAT EXCL)	TOTAL COST (VAT INCL)
27.	Integrated wall sounder and Beacon complete with clip fixing assembly and relays	ITEM	1			
28.	Allow for painting of the hydrant pipes with fire red paint	ITEM	1			
29.	Allow any other accessories to make system complete	SET	1			
<b>PART II</b>	<b>FIRE ALARM SYSTEM – GODDOWNS &amp; OFFICES</b>					
<b>Section B</b>	<b><u>Supply and Install the following:-</u></b>					
30.	<b>Intelligent Addressable Fire Alarm Control Panel</b> with manual and automatic alarm initiation; automatic sensitivity control of certain smoke detectors; and multiplexed signal transmission dedicated to fire alarm service only integrated with Paging Microphone Console and Fire Telephone Handset. The system must have a capability of networking at-least 200 panels. The FACP should have On-board printer. 2 loop Panel expandable to 4 loops. Include Power Supply and Battery Backup Pack.	Item	1			
31.	<b>Remote Display and Control Panel</b> , allowing the full network information to be transparent on the repeater. Up to 199 of them on the network.	No.	1			
32.	<b>Loop Control Driver/Module</b>	No.	2			
33.	<b>Network Communication Module</b> to enable distribution of fire alarm control panels and remote terminals throughout KPLC buildings or group of buildings.	No.	1			
34.	<b>IP Gateway Network card</b> Allows fire alarm control panels to be linked with other similar panels or control and remote terminals on a single network which can be configured either from the panel or from a PC.	No.	1			
35.	<b>BMS Module</b> to allow integration of FACP and remote terminals with (BMS) and graphics PCs.	No.	1			
36.	Bacnet/IP/Modbus Integrator protocol conversion for BACNET, IP and MODBUS networks to link the fire detection	No.	1			

MR 21

S/NO	DESCRIPTION	UOM	QTY	UNIT PRICE (VAT EXCL)	TOTAL COST (VAT EXCL)	TOTAL COST (VAT INCL)
	and alarm network with third-party building management systems					
37.	Allow for End user Training, fire marshals to familiarize with equipment location and evacuation response in the event of fire inclusive of a fire Drill	Item	1			
38.	Allow for As Built Documentation	Item	1			
39.	Allow for cabling Ducting, trunking and Civil works	Item	1			
40.	Allow for making good disturbed surfaces and Remediying of other Defects	Item	1			
41.	Allow for provision of Clean Power back up and protection for all Fire Alarm equipment including the PAVA as adequately required by the entire installation.	Item	1			
42.	Addressable Integrated wall sounder and Beacon complete with clip fixing assembly	No.	12			
43.	Installation & configuration of remote microphone	Item	1			
44.	Addressable optical smoke detectors wired in fire resistant low voltage cables drawn in 25mm diameter PVC heavy gauge conduits as shown in the contract drawings	No.	85			
45.	Addressable optical Heat detectors wired in fire resistant low voltage cables drawn in 25mm diameter PVC heavy gauge conduits as shown in the contract drawings	No.	17			
46.	Addressable Break glass Call points wired in fire resistant low voltage cables drawn in 25mm diameter PVC heavy gauge conduits as follows:	No.	23			
47.	Supply and Installation of Integrated Automatic Monitored Fire Exit alarm door, complete with Push bar and all accessories Including door Monitoring module.	No.	3			
48.	Supply and Installation of Illuminated Signage and Exit signs	No.	5			
49.	Allow for Marking of Fire Points, Drawing of Evacuation procedure and Mapping. (for various sections)	Set	1			
50.	Isolator modules	No.	5			
51.	<b>PUBLIC ADDRESS AND VOICE EVACUATION</b> Allow for Public address and voice evacuation system complete with the following as per technical specifications.					

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S/NO	DESCRIPTION	UOM	QTY	UNIT PRICE (VAT EXCL)	TOTAL COST (VAT EXCL)	TOTAL COST (VAT INCL)
a)	Stackable Voice Alarm system, 8+2In x8 Out, Master module incl. local network, EN54-16	No	1			
b)	Dedicated Ethernet Networking card	No	1			
c)	4 Channel Multipurpose 0dB/MIC Audio Input Card	No	1			
d)	Color touch screen security paging microphone	No	1			
e)	5" Metal Fire rated Speaker	No	15			
f)	Class-D, digital Power amplifier 4x125Watt/100V-230/24V-19"/2U	No	1			
g)	22U Rack 19", 600 mm deep with accessories	No	1			
h)	Clean Power and protection as APC with a minimum of 3KVA smart UPS type	No	1			
52.	Allow for any other item necessary to complete the works. (Itemize)	Item	1			
<b>Section C</b>						
53.	<b>Others</b> NATIONAL CONSTRUCTION AUTHORITY LEVY (NCA) The contractor shall comply with any required NCA approvals including any costs associated with execution of the works and registration of project.	SET	1			
54.	DEVELOPMENT APPROVALS The contractor shall allow for all necessary county government permits & approvals with regard to these works. No claim for failure to comply with county governments requirements shall be entertained Allow for all necessary permits/approvals by the County Government of Nairobi	SET	1			
<b>TOTAL LOT 2</b>						

Name of Tenderer \_\_\_\_\_

Signature & Official Stamp \_\_\_\_\_

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LOT 3 – ELECTRICITY HOUSE KISUMU

S/NO	DESCRIPTION	UOM	QTY	UNIT PRICE (VAT EXCL)	TOTAL COST (VAT EXCL)	TOTAL COST (VAT INCL)
<b>Section A</b>						
1.	<b>Supply and Install the following:-</b> <b>Intelligent Addressable Fire Alarm Control Panel</b> with manual and automatic alarm initiation; automatic sensitivity control of certain smoke detectors; and multiplexed signal transmission dedicated to fire alarm service only integrated with Paging Microphone Console and Fire Telephone Handset. The system must have a capability of networking at least 200 panels. The FACP should have On-board printer. 2 loop Panel expandable to 4 loops. Include Power Supply and Battery Backup Pack.	Item	1			
2.	<b>Remote Display and Control Panel</b> , allowing the full network information to be transparent on the repeater. Up to 199 of them on the network.	No.	1			
3.	<b>Loop Control Driver/Module</b>	No.	2			
4.	<b>Graphical Control Software</b> , to control fire alarm equipment by means of graphical maps, images, and text for monitoring installation sites and program graphical command buttons for enabling or disabling devices. Should have Simple control buttons to permit the user to Enable/Disable field devices, and also provide a means for Silence/Reset functionality.	Item	1			
5.	<b>Client Software</b> and license for the above Software. A minimum of 5 client licenses.	Item	1			
6.	<b>Network Communication Module</b> to enable distribution of fire alarm control panels and remote terminals throughout KPLC buildings or group of buildings.	No.	1			
7.	<b>IP Gateway Network card</b> Allows fire alarm control panels to be linked with other similar panels or control and remote terminals on a single network which can be configured either from the panel or from a PC.	No.	1			
8.	<b>BMS Module</b> to allow integration of FACP and remote terminals with (BMS) and graphics PCs.	No.	1			
<b>Section B</b>						
	<b>Supply and Install the following:-</b>					

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S/NO	DESCRIPTION	UOM	QTY	UNIT PRICE (VAT EXCL)	TOTAL COST (VAT EXCL)	TOTAL COST (VAT INCL)
9.	Bacnet/IP/Modbus Integrator protocol conversion for BACNET, IP and MODBUS networks to link the fire detection and alarm network with third-party building management systems	No.	1			
10.	Allow for Server for graphical control software above	No.	1			
11.	Allow for Desktop PC for item client software above	No.	1			
12.	Allow for End user Training, fire marshals to familiarize with equipment location and evacuation response in the event of fire inclusive of a fire Drill	Item	1			
13.	Allow for as Built Documentation	Item	1			
14.	Allow for cabling Ducting, trunking and Civil works	Item	1			
15.	Allow for making good disturbed surfaces and Remediying of other Defects	Item	1			
16.	Allow for provision of Clean Power back up and protection for all Fire Alarm equipment including the PAVA as adequately required by the entire installation.	Item	1			
17.	Addressable Integrated wall sounder and Beacon complete with clip fixing assembly	No.	23			
18.	Installation & configuration of remote microphone.	Item	1			
19.	Addressable optical smoke detectors wired in fire resistant low voltage cables drawn in 25mm diameter PVC heavy gauge conduits as shown in the contract drawings	No.	86			
20.	Addressable optical Heat detectors wired in fire resistant low voltage cables drawn in 25mm diameter PVC heavy gauge conduits as shown in the contract drawings	No.	36			
21.	Addressable Break glass Call points wired in fire resistant low voltage cables drawn in 25mm diameter PVC heavy gauge conduits as follows:	No.	23			

MS 5.



S/NO	DESCRIPTION	UOM	QTY	UNIT PRICE (VAT EXCL)	TOTAL COST (VAT EXCL)	TOTAL COST (VAT INCL)
22.	Supply and Installation of Integrated Automatic Monitored Fire Exit alarm door, complete with Push bar and all accessories including door Monitoring module.	No.	5			
23.	Supply and Installation of Illuminated Signage and Exit signs	No.	21			
24.	Fire suppression system in I.T Room 6m*4m*2.7m in 2nd floor to fully discharge clean/inert fire suppression agent within 10/60sec seconds after receiving an actuation signal. (i.e Minimum of 37kg FM200 OR 3x200bar x80litres IG55/IG541). The system should be complete with Standard Detection and Control Equipment; Control Panel, Smoke sensors, Manual Call Point, Sounders 1 <sup>st</sup> and 2 <sup>nd</sup> Stage, Maintenance switch	Item	1			
25.	Allow for Marking of Fire Points, Drawing of Evacuation procedure and Mapping.	Item	1			
26.	Isolator modules	No.	13			
27.	Allow for 22U cabinet supply and installation	Item	1			
28.	<b>PUBLIC ADDRESS AND VOICE EVACUATION</b> Allow for Public address and voice evacuation system complete with the following as per technical specifications.					
a)	Stackable Voice Alarm system, 8+2In x8 Out, Master module incl. local network, EN54-16	No	1			
b)	Dedicated Ethernet Networking card	No	1			
c)	4 Channel Multipurpose 0dB/MIC Audio Input Card	No	1			
d)	Color touch screen security paging microphone	No	1			
e)	5" Metal Fire rated Speaker	No	15			
f)	Class-D, digital Power amplifier 4x125Watt/100V-230/24V-19"/2U	No	1			
g)	22U Rack 19", 600 mm deep with accessories	No	1			

187

S/NO	DESCRIPTION	UOM	QTY	UNIT PRICE (VAT EXCL)	TOTAL COST (VAT EXCL)	TOTAL COST (VAT INCL)
h)	Clean Power and protection as APC with a minimum of 3KVA smart UPS type	No	1			
29.	Allow for Manufacturers training for 3no Technical Persons	Item	1			
30.	Allow for any other item necessary to complete the works. (Itemize)	Item	1			
<b>Section C</b>	<b>Others</b>					
31.	<b>EXISTING AND ADJACENT PROPERTY</b> The Contractor must take all steps necessary to safeguard existing and adjacent property, make good any damage to property caused thereon. The Contractor will be fully responsible for the safety of the existing and adjacent buildings and for any damage caused in consequence of these Works. Reinstate all damage areas including roads. The Contractor must take such steps and exercise such care and diligence as to minimize nuisance from dust, noise or any other cause to the occupiers of the existing and adjacent property.	SET	1			
32.	<b>NATIONAL CONSTRUCTION AUTHORITY LEVY (NCA)</b> The contractor shall comply with any required NCA approvals including any costs associated with execution of the works and registration of project.	SET	1			
33.	<b>DEVELOPMENT APPROVALS</b> The contractor shall allow for all necessary county government permits & approvals with regard to these works. No claim for failure to comply with county governments requirements shall be entertained Allow for all necessary permits/approvals by the County Government of Nakuru	SET	1			
	<b>Total Lot 3</b>					

Name of Tenderer \_\_\_\_\_

Signature & Official Stamp \_\_\_\_\_

 21



LOT 4 – ELECTRICITY HOUSE MOMBASA

S/NO	DESCRIPTION	UOM	QTY	UNIT PRICE (VAT EXCLUSIVE)	TOTAL COST (VAT EXCLUSIVE)	TOTAL COST (VAT INCLUSIVE)
Section A	<u>Supply and Install the following:-</u>					
1.	<b>Intelligent Addressable Fire Alarm Control Panel</b> with manual and automatic alarm initiation; automatic sensitivity control of certain smoke detectors; and multiplexed signal transmission dedicated to fire alarm service only integrated with Paging Microphone Console and Fire Telephone Handset. The system must have a capability of networking at-least 200 panels. The FACP should have On-board printer. 2 loop Panel expandable to 4 loops. Include Power Supply and Battery Backup Pack.	Item	1			
2.	<b>Remote Display and Control Panel</b> , allowing the full network information to be transparent on the repeater. Up to 199 of them on the network.	No.	1			
3.	<b>Loop Control Driver/Module</b>	No.	2			
4.	<b>Graphical Control Software</b> , to control fire alarm equipment by means of graphical maps, images, and text for monitoring installation sites and program graphical command buttons for enabling or disabling devices. Should have Simple control buttons to permit the user to Enable/Disable field devices, and also provide a means for Silence/Reset functionality.	Item	1			
5.	<b>Client Software</b> and license for the above Software. A minimum of 5 client licenses.	Item	1			
6.	<b>Network Communication Module</b> to enable distribution of fire alarm control panels and remote terminals throughout KPLC buildings or group of buildings.	No.	1			
7.	<b>IP Gateway Network card</b> Allows fire alarm control panels to be linked with other similar panels or control and remote terminals on a single network which can be configured either from the panel or from a PC.	No.	1			
8.	<b>BMS Module</b> to allow integration of FACP and remote terminals with (BMS) and graphics PCs.	No.	1			

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S/NO	DESCRIPTION	UOM	QTY	UNIT PRICE (VAT EXCLUSIVE)	TOTAL COST (VAT EXCLUSIVE)	TOTAL COST (VAT INCLUSIVE)
<b>Section B</b>						
<b><u>Supply and Install the following:-</u></b>						
9.	Bacnet/IP/Modbus Integrator protocol conversion for BACNET, IP and MODBUS networks to link the fire detection and alarm network with third-party building management systems	No.	1			
10.	Allow for Server for graphical control software above	No.	1			
11.	Allow for Desktop PC for item client software above	No.	1			
12.	Allow for End user Training, fire marshals to familiarize with equipment location and evacuation response in the event of fire inclusive of a fire Drill	Item	1			
13.	Allow for As Built Documentation	Item	1			
14.	Allow for cabling Ducting, trunking and Civil works	Item	1			
15.	Allow for making good disturbed surfaces and Remediying of other Defects	Item	1			
16.	Allow for provision of Clean Power back up and protection for all Fire Alarm equipment including the PAVVA as adequately required by the entire installation.	Item	1			
17.	Addressable Integrated wall sounder and Beacon complete with clip fixing assembly	No.	35			
18.	Installation & configuration of remote microphone	Item	1			
19.	Addressable optical smoke detectors wired in fire resistant low voltage cables drawn in 25mm diameter PVC heavy gauge conduits as shown in the contract drawings	No.	307			

MS-2

S/NO	DESCRIPTION	UOM	QTY	UNIT PRICE (VAT EXCLUSIVE)	TOTAL COST (VAT EXCLUSIVE)	TOTAL COST (VAT INCLUSIVE)
20.	Addressable optical Heat detectors wired in fire resistant low voltage cables drawn in 25mm diameter PVC heavy gauge conduits as shown in the contract drawings	No.	49			
21.	Addressable Break glass Call points wired in fire resistant low voltage cables drawn in 25mm diameter PVC heavy gauge conduits as follows:	No.	35			
22.	Supply and Installation of Integrated Automatic Monitored Fire Exit alarm door, complete with Push bar and all accessories Including door Monitoring module.	No.	18			
23.	Supply and Installation of Illuminated Signage and Exit signs	No.	47			
24.	Fire suppression system in I.T Room 6m*4m*2.7m in 2nd floor to fully discharge clean/inert fire suppression agent within 10/60sec seconds after receiving an actuation signal. (i.e Minimum of 37kg FM200 OR 3x200bar x80litres IG55/IG541). The system should be complete with Standard Detection and Control Equipment; Control Panel, Smoke sensors, Manual Call Point, Sounders 1 <sup>st</sup> and 2 <sup>nd</sup> Stage, Maintenance switch	Item	1			
25.	Allow for Marking of Fire Points, Drawing of Evacuation procedure and Mapping.	Item	1			
26.	Isolator modules	No.	36			
27.	Allow for 22U cabinet supply and installation	Item	1			
28.	<b>PUBLIC ADDRESS AND VOICE EVACUATION</b> Allow for Public address and voice evacuation system complete with the following as per technical specifications.					
a)	Stackable Voice Alarm system, 8+2In x8 Out, Master module incl. local network, EN54-16	No	1			

MS-8.

S/NO	DESCRIPTION	UOM	QTY	UNIT PRICE (VAT EXCLUSIVE)	TOTAL COST (VAT EXCLUSIVE)	TOTAL COST (VAT INCLUSIVE)
b)	Dedicated Ethernet Networking card	No	1			
c)	4 Channel Multipurpose 0dB/MIC Audio Input Card	No	1			
d)	Color touch screen security paging microphone	No	1			
e)	5" Metal Fire rated Speaker	No	20			
f)	Class-D, digital Power amplifier 4x125Watt/100V-230/24V-19"/2U	No	1			
g)	22U Rack 19", 600 mm deep with accessories	No	1			
h)	Clean Power and protection as APC with a minimum of 3KVA smart UPS type	No	1			
29.	Allow for any other item necessary to complete the works. (Itemize)	Item	1			
30.	Allow for Manufacturers training for 3no Technical Persons	Item	1			
31.	Allow for any other item necessary to complete the works. (Itemize)	Item	1			
<b>Section C</b>	<b>Others</b>					
32.	<b>EXISTING AND ADJACENT PROPERTY</b> The Contractor must take all steps necessary to safeguard existing and adjacent property, make good any damage to property caused thereon.  The Contractor will be fully responsible for the safety of the existing and adjacent buildings and for any damage caused in consequence of these Works. Reinstate all damage areas including roads.	SET	1			

MS 2

S/NO	DESCRIPTION	UOM	QTY	UNIT PRICE (VAT EXCLUSIVE)	TOTAL COST (VAT EXCLUSIVE)	TOTAL COST (VAT INCLUSIVE)
	The Contractor must take such steps and exercise such care and diligence as to minimize nuisance from dust, noise or any other cause to the occupiers of the existing and adjacent property.					
33.	NATIONAL CONSTRUCTION AUTHORITY LEVY (NCA) The contractor shall comply with any required NCA approvals including any costs associated with execution of the works and registration of project.	SET	1			
34.	DEVELOPMENT APPROVALS The contractor shall allow for all necessary county government permits & approvals with regard to these works. No claim for failure to comply with county governments requirements shall be entertained Allow for all necessary permits/approvals by the County Government of Mombasa	SET	1			
	<b>Total Lot 4</b>					

Name of Tenderer \_\_\_\_\_ Signature & Official Stamp \_\_\_\_\_



**Schedule No. 5. Grand Summary**

Item	Description	Total Price VAT Incl ( Ksh)
	Total Schedule No. 1. Fire Alarm & Protection Systems for Offices & Stores	
Lot 1	Ruaraka Complex	
Lot 2	Isiolo Rd Stores & Workshop	
Lot 3	Electricity House Kisumu	
Lot 4	Electricity House Mombasa	
	<b>TOTAL (to Tender Form)</b>	

Name of Tenderer \_\_\_\_\_ Signature & Official Stamp

<sup>1</sup>Specify currency in accordance with ITT 18. Create and use as many columns for Foreign Currency requirement as there are foreign currencies

**Schedule No. 6. Recommended Spare Parts**

Item	Description	Qty	Unit Price VAT Excl (Ksh)	Total Price VAT Excl (Ksh)	Total Price VAT Incl (Ksh)
		(1)	(2)	(3)	(4)
<b>Totals</b>					

Name of Tenderer \_\_\_\_\_ Signature & Official Stamp

*MS*