



**REPUBLIC OF KENYA**

**MINISTRY OF ICT, INNOVATION AND YOUTH AFFAIRS  
STATE DEPARTMENT OF ICT & INNOVATION**

**P. O. BOX 30025-00100  
NAIROBI**

**ADDENDUM FOR  
TENDER NO: MOICT/SDICT/ONT/005/2021-2022**

**TENDER FOR SUPPLY, INSTALLATION AND COMMISSIONING OF  
NETWORK INFRASTRUCTURE  
AT MANDERA COUNTY HOSPITAL, MANDERA COUNTY**

**ISSUE DATE: 25<sup>TH</sup> AUGUST, 2021**

**TENDER CLOSING DATE: 8<sup>TH</sup> SEPTEMBER, 2021 AT 10.00 A.M**

## 1.0 INTRODUCTION

The Client (Ministry of ICT, Innovation and Youth Affairs, State Department of ICT & Innovation) organized a Pre-Tender Site Survey on 19<sup>th</sup> August 2021. The aim was to give the Bidders an opportunity to familiarize with the ground requirements, understand the Tender drawings and identify the omission, adjustments to be considered to ensure installed solution meets the expectation of the intended work. Having gone through the site survey the following issues were raised and addressed as follows:

## 2.0 ISSUES AND CLARIFICATIONS

No.	ISSUES THAT CAME UP	CLARIFICATION
1.	Specifications for Self-Cooling Cabinet in the tender Document were not clear.	The Specifications for Self-cooling Cabinet has been amended as per the section 2.1 of this addendum
2	The NOFBI network is already installed within the Hospital Facility but not connected to the existing network.	The Bidders shall ensure that the new network is integrated into the NOFBI network.  The Bill of Materials and Price Schedule have been amended to accordingly to reflect the new requirements as specified in section 3.0 and 4.0 of this Addendum.

## 2.1 SELF-COOLING CABINET WITH A POWER SOLUTION

The bidder shall provide a self-cooling cabinet that will include power system, Main Distribution Frame (MDF), Optical Distribution Frame (ODF), battery, environment monitoring and temperature control modules.

No	Technical Specifications	Compliance (Yes/No)	REFERENCE INFORMATION TO SUPPORT COMPLIANCE (Highlighted in the bid document)
<b>Requirements</b>			
1.	The solution shall provide efficient power consumption		
2.	It shall easily be deployed in rugged outdoor environments with a temperature range from 41°C to 53°C including high humidity		
3.	Power to the cabinet shall be switched off from within the cabinet. Proper power socket cables to be supplied with the cabinets. The bidder shall be required to provide a 6- Way <b>Power Distribution board</b>		
4.	It shall meet IP55 protection ratings, allowing for installation in adverse conditions such as close to salt water		
5.	Its door shall be installed with air conditioner		
6.	It shall support remote monitoring and alarms for easier Operations and Maintenance (O&M)		
7.	It shall monitor environmental and power parameters		

8.	The cabinet shall have at least 48V LED lamps with a protective circuit breaker		
9.	The cabinet shall have an AC Distribution Unit with an input Voltage range of 220VAC-240VAC		
10.	The cabinet shall have DC Distribution Unit with an output voltage range between 42-58VDC		
11.	The cooling system shall consist of air conditioners with a cooling capacity of at least 800W, forced air exhaust, heat exchanger and thermoelectric conditioner		
12.	It shall have automatic microclimate control system, security and fire alarms which can engage locally or remote control		
13.	It shall have advanced heat dissipation system to reduce power consumption and noise		
14.	The cabinet should be made of Galvanized steel		
15.	It shall have a fire extinguisher system		
16.	The cabinet shall be at least 38U 19 “ mounting racks, which can install 4pcs lead-acid batteries and telecommunication equipment		
17.	The cabinet shall have four 100AH each with 12VDC Lead-acid battery		
18.	The cabinet shall have Temperature sensor, door sensor, water sensor, smoke sensor among others		
19.	The cable inlets should be at the bottom of the cabinet		
20.	Doors should be equipped with a locking system		
21.	It should have a 2year Warranty		

### 3.0 PRICE SCHEDULE

#### Bill of Quantities/Schedule of Rates

Below is the amended proposed bill of quantities for guidance.

#### Mandera County Hospital

NO.	Description	Unit of Measure	Qty	Unit Cost	Total Cost
1.	F/UTP Category 6A Outlets Module (Data points)	No	382		
2.	Flash Mount Faceplates – F/UTP Category 6A Double	No	191		
3.	F/UTP Category 6A Wall UTP-RJ45Patch cord (1M)	No	414		
4.	F/UTP Category 6A Wall UTP-RJ45Patch cord (3M)	No	382		
5.	F/UTP Category 6A Wall UTP-RJ45Patch cord (5M)	No	10		
6.	F/UTP Category 6A 24 PATCH PANEL 1 U568A/B	No	14		
7.	Cable managers 2U	No	14		
8.	Galvanized Metallic Trunking 150mm x50mm & accessories for installing 382 Data Points and access points	Lot	Lot		
9.	F/UTP Category 6A Pure Copper Ethernet Cable for installing 382 Data Points and access points	Lot	Lot		
10.	Fiber Patch Panel (at least 8 core)	No	14		

11.	24 core OFC Patch Panel	No	3		
12.	Fiber Cable 8 Core plus Ducts to interlink all the cabinets/switches	lot	Lot		
13.	Fiber Patch Cord 1M	No	30		
14.	1G SFP transceivers	No	30		
15.	18U Network Cabinet with a 4Way Horizontal Mount Power Distribution Unit (PDU)	No	14		
16.	38U Self-Cooling, maintenance free Network Cabinet with Horizontal Mount Power Distribution Unit (PDU)	No	1		
17.	Rack mountable UPS- 1.5 KVA	No	14		
18.	Decommissioning of Old Cables	Lot	Lot		
19.	Distribution/Aggregation Switch	No	1		
20.	48 Port POE+ Switch with Stacking Modules	No	5		
21.	24 Port POE+ Switch with Stacking Modules	No	9		
22.	Wireless Access Point	No	32		
23.	Wireless Controller	No	1		
24.	Civil Works-Pulling, Termination, Labelling, Documentation and Testing of Horizontal and Backbone Cabling,	Lot	Lot		
25.	Installation of Active Devices, IP Schemes and Configuration.	Lot	Lot		
26.	Testing, Training and Handover	Lot	Lot		
27.	Provision of Project Implementation Committee transport services as specified in Section V no 17	Round Trip	5		
28.	Annual SLA Support for one Year	Year	1		
29.	SFP – single mode	No	2		
30.	Fiber Optic Pig tail -10M	No	2		
	<b>TOTAL</b>				

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

\_\_\_\_\_ Date \_\_\_\_\_

Authorized Signature of Tenderer:

#### 4.0 BILL OF MATERIALS

**NOTE:** The bill of materials is just an estimate; the bidder is required to carry out a survey in order to get actual material required and provision for them in the quote. The client is not liable for any omission.

#### The Bill of Materials:

##### 1) Mandera Hospital

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