



KENYATTA NATIONAL HOSPITAL
Tel.2726300/2726450/2726550
P.O. BOX 20723, 00202 Nairobi

Fax: 2725272
Email: knhadmin@knh.or.ke

Ref: KNH/SCM/ADM.43

Date: 12th February, 2025

ADDENDUM 2

**RE: ADDENDUM TO TENDER NO: KNH/T/100/2024-2025 - PROPOSED
REFURSHMENT OF ENTIRE LEVEL 7 AT KENYATTA NATIONAL HOSPITAL.**

To: ALL BIDDERS

Pursuant to the Public Procurement and Asset Disposal Act 2015 section 75 and its attendant Regulations 2020 and Clause 10.1 on Amendment of Tender Documents, the Hospital wishes to make the following amendments/clarifications;


1. ELECTRICAL WORKS.

The correct electrical bill of quantities is herein attached.

Please note that the tender closing/opening date remains as earlier communicated i.e.20th February 2025 at 10:00am Kenyan time.

Rose M. Njoroge, OGW
FOR: CHIEF EXECUTIVE OFFICER

PROPOSED RENOVATIONS AT LEVEL 7 AT KENYATTA NATIONAL HOSPITAL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
E4-CCTV INSTALLATIONS					
Supply,install,test and commission the following as described below:					
E4.01	Supply and Install 16 channel NVR as HIK Vision	No.	1		
E4.02	Supply and Install 8 MP Dome camera as HIK Vision	No.	12		
E4.03	Supply and Install 10TB surveillance Hard disk for storage	No.	1		
E4.04	Supply and Install CAT 6 UTP cable for all the cameras	Lm	650		
E4.05	All accessories to install cameras to completion	No.	1		
E4.06	Supply a HP 27 inch AIO Desktop PC I7-1355 RAM 16GB 1TB SDD PCLE Touch 24 FHD Win 11 Pro Jet White or approved equivalent	No.	1		
E4.07	Installation,testing, training users and commissioning & connection to the existing switch	No.	1		
					
Total Carried to Summary Page					

PROPOSED RENOVATIONS AT LEVEL 7 AT KENYATTA NATIONAL HOSPITAL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
E3	<u>FIRE ALARM</u>				
	i) Supply and install the following elements complete with all necessary mounting and fixing accessories of the MENVIER SECURITY manufacture Analogue Addressable Fire Detection System or approved equivalent.				
i)	IP43 100mmØ elegant slim-line optical smoke detector c/w LED Alarm indication, standard base Cat. No. MAB800, ingress protection back plate; all as to Menvier manufacture Cat. No. MAP820 or approved equivalent	No.	140		
ii)	IP54 100mmØ elegant slim-line heat sensor c/w LED Alarm indication, standard base Cat. No. MAB800, ingress protection back plate; all as to Menvier Manufacture Cat. No. MAH30 or approved equivalent	No.	6		
iii)	IP20 Addressable manual breakglass call point c/w cover as Cat. No. MBGHCC, mounting box and all necessary accessories as to Menvier manufacture Cat. No. MBG813, or approved equivalent.	No.	7		
iv)	Addressable loop powered Alarm sounder with built in isolators as to Menvier as Cat. No. MAS850, or approved equivalent.	No.	7		
v)	Fluke 1625-2 Geo Earth Ground Testor Kit	No.	1		
	<u>WIRING</u>				
vi)	Loop wiring of Detection Elements using 1.5mm ² 2-core Firetec OHLS 300/500V stranded copper cables to AEI CABLES LTD ref F2C1.5E or approved equivalent, drawn in u PVC flush installed conduits, as per drawings. (cable included)	No.	160		
	Carried to Collection				

PROPOSED RENOVATIONS AT LEVEL 7 AT KENYATTA NATIONAL HOSPITAL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	E2-NURSE CALL INSTALLATIONS				
	Supply,install,test and commission the following as described below:				
E2.01	Nurse call alarm points wired in 2Cx1.5sq.mm cable for the spine and 6 core cable on the limbs as per the drawings and drawn in 25mm dia.PVC Heavy gauge conduits.	No.	589		
E2.02	Supply and install Quantec QT603 Network splitters or equal and approved	No	10		
E2.03	Supply and install Quantec QT608 LCD Display units with controls or equal and approved	No	154		
E2.04	Supply and install Quantec QT602 addressable call point with button reset and remote socket or equal and approved	No	154		
E2.05	Supply and install Quantec NC805/6 Tail cord extension call button for use with item 1.4 above or equal and approved	No.	148		
E2.06	Supply and install Quantec QT606 addressable over door light capable of indicating red color for call and green color for nurse presence or equal and approved	No	43		
E2.07	Supply and install Quantec QT607 Ceiling Pull unit or equal and approved	No	40		
E2.08	Supply and install Quantec QT609 Ceiling Pull button reset unit or equal and approved	No.	40		
E2.09	Supply and install Quantec QT601 Network controller or equal and approved	No	4		
E2.10	Allow for system programming & commissioning per panel	No	4		
E2.11	Allow for training of client staff on the all operations and maintenance of the Nurse Call system	Item	1		
	Total Carried to Summary Page				

PROPOSED RENOVATIONS AT LEVEL 7 AT KENYATTA NATIONAL HOSPITAL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Total brought forward from previous page	B/F			
E1.07	Supply and install the below listed Distribution Boards				
a)	DB-LM1 as per schematic	No.	1		
b)	DB-LM2 as per schematic	No.	1		
c)	DB-PR1 as per schematic	No.	1		
d)	DB-PR2 as per schematic	No.	1		
d)	35mm sq. 5 Core Cu/XLPE/SWA/LSF from Rising Mains to Individual 100A TP+N MCCB breakers	Lm	20		
e)	Supply and install a 125A TP+ N adjustable MCCB breaker as ABB or approved equivalent c/w housing and the necessary accessories	No	4		
E1.08	150 x 50mm PVC trunking 3 compartment c/w cover done around the skirting to receive data outlets and power outlets as Marshall Tufflex or approved equivalent	Lm	25		
b)	Allow for End caps,internal and external bends	Lot	1		
E1.08	100 x 50mm Cable Tray Perforated c/w with accessories -Power	Lm	70		
E1.09	100 x 50mm Cable Tray Perforated c/w with accessories -ICT	Lm	70		
E1.10	Any other item not specifically detailed but required for the satisfactory completion and operation of the installation.	Item	1		
	Total for 1 No. Wing				
	Total for the Floor 4 No. Wings (x4)				
	Total Carried to Summary Page				

PROPOSED RENOVATIONS AT LEVEL 7 AT KENYATTA NATIONAL HOSPITAL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Total brought forward from previous page			B/F	
b)	Economic High Performance maintained Surface 3 hour duration Emergency Exit light fittings as Thorn Voyager or approved equivalent.(Exit Lights)	No.	5		
c)	1 x 36w LED Fitting housed in a PVC case and weatherproof (Batten fittings)	No.	50		
d)	Totally enclosed surface mounted LED ceiling fitting with a color temperature of 4500k as Philips WL13VPSRD350 or approved equivalent (wet room areas & External Lighting)	No.	40		
e)	Custom made fabricated Unit c/w power points and lighting fixtures mounted on top & bottom of the patients bed Wards, Isolation Rooms)	No.	35		
f)	Directional light as directed by by the Engineer for the wards(Niche Lights)	No.	12		
E1.04	Power points wired is 3 x 2.5mm sq. PVC LSF (RING) insulated single copper cable drawn in 25mm diameter. Fire retardant Low smoke PVC conduits concealed in floor slabs and walls and complete with all the necessary accessories	No.	87		
a)	Twin sockets 13A as Legrand Synergy or approved equivalent.	No.	50		
E1.05	Water Heater points wired is 3 x 2.5mm sq. PVC LSF insulated single copper cable drawn in 25mm diameter. Fire retardant Low smoke PVC conduits concealed in floor slabs and walls and complete with all the necessary accessories	No.	6		
a)	20A DP Switch	No.	6		
E1.06	Cooker points wired is 3 x 6.0 mm sq. PVC insulated single copper cable drawn in 25mm diameter. Fire retardant Low smoke PVC conduits concealed in floor slabs and walls and complete with all the necessary accessories	No.	2		
a)	Cooker control unit + connector	No.	2		
	Total Carried Forwarded to Next Page			C/F	

PROPOSED RENOVATIONS AT LEVEL 7 AT KENYATTA NATIONAL HOSPITAL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Supply, install, test and commission in accordance to BS 7671:2018, the following as described below:				
	<u>E1-LEVEL 7</u>				
E1.01	Lighting points wired is 3 x 1.5 mm sq. PVC/LSF insulated single copper cable drawn in 20mm diameter. Fire retardant Low smoke PVC conduits concealed in floor slabs and walls and complete with all the necessary accessories				
a)	Lighting point 1 way switched	No	145		
b)	Lighting point 2 way switched	No	5		
E1.01	Lighting points wired is 3 x 2.5 mm sq. PVC/LSF insulated single copper cable drawn in 20mm diameter. Fire retardant Low smoke PVC conduits concealed in floor slabs and walls and complete with all the necessary accessories				
a)	Lighting point 2 way switched	No	20		
E1.02	10A moulded switch as Legrand Synergy or approved equivalent:				
a)	1 gang 1 way switch RED Maintained	No	40		
b)	1 gang 2 way switch RED Maintained	No.	4		
c)	1 gang 1 way switch WHITE Non Maintained	No	30		
d)	1 gang 2 way switch WHITE Non Maintained	No.	6		
E1.03	Light fittings, complete with lamps of specified wattage and appropriate color rendering:				
a)	600mm x 600mm recessed modular LED luminaire for use in standard ceiling mounting with a color temperature of 4500K ,as to Philips RC484B manufacture, or approved equivalent. (LED Panel Lights)	No.	50		
Total Carried Forwarded to Next Page			C/F		

PROPOSED RENOVATIONS AT LEVEL 7 AT KENYATTA NATIONAL HOSPITAL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	E0-PRELIMINARIES				
1	Allow for Preliminaries & General Costs as described but not limited to the clauses listed in the Conditions of Contract for Construction For Building & Engineering Works document.				
2	Allow for preparation of detailed working drawings for the works	Sum	1		
3	Allow for preparation of all "As Built" drawings after complete installation of the works	Sum	1		
4	Allow for preparation of operation and maintainance manual after complete installation of the works	Sum	1		
5	Allow for identification and labelling of installations on completion of the works as per the specifications	Sum	1		
6	Allow a sum of Ksh 500, 000 for Project Management Fees, Supervision & facilitation of the Technical Team on site	Sum	1		
Total Carried to Summary Page					

PROPOSED LEVEL 7 AT KENYATTA NATIONAL HOSPITAL

ELECTRICAL INSTALLATIONS AT					
<u>LEVEL 7</u>					
<u>MAIN SUMMARY</u>					
<u>SECTION</u>					
1	E0-PRELIMINARIES				
2	E1-ELECTRICAL INSTALLATIONS				
3	E2-NURSE CALL SYSTEM				
4	E4-FIRE ALARM				
5	E5-CCTV				
	Sub Total 1				
GRAND TOTAL					