



KENYATTA NATIONAL HOSPITAL
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Ref: KNH/SCM/ADM.43

Date: 8th February, 2024

ADDENDUM 1

To: ALL BIDDERS

RE: ADDENDUM TO TENDER NO: KNH/T/115/2023-2024 SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF UNINTERRUPTED POWER SUPPLY (UPS 100KVA)

Pursuant to the Public Procurement and Asset Disposal Act section 75 and its attendant Regulations 2020 and Clause 7 on Amendment of Tendering Document, the Hospital wishes to make the following amendments/clarifications;

1. Change of site from the original location to a new location due to accessibility and drainage challenges

2. BUILDING WORKS

Bill of quantities are here in attached.

3. SCOPE OF UPS HOUSE - Drawings Attached

- i) Construction of the UPS house
- ii) Fortifying the establishment against burglars
- iii) Establish all electrical works and facilitate lighting of the house
- iv) Enhance the drainage system
- v) All required paint work to be done

4. SCOPE OF AIR CONDITIONING

It is essential to install an air conditioning system - 1800 BTU capacity at the UPS house hence it should be implemented alongside the UPS installation.

5. PRICE SCHEDULE

Item No. 1 on the price schedule has been amended to read as 'Supply, Delivery, Installation, Testing and Commissioning of Uninterrupted Power Supply (UPS 100KVA)'.

The Tender Opening and Closing date has been extended to. 20th February, 2024
10.00 hours Kenyan time.


Rose M. Njoroge, OGW

FOR: CHIEF EXECUTIVE OFFICER

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 1</u>				
	<u>SUBSTRUCTURE WORKS (ALL PROVISIONAL)</u>				
	<u>Site Clearance</u>				
A	Clear the site of all bush scrub undergrowth and the like and grubbing up their roots	20	SM		
	<u>Excavations and earthworks</u>				
B	Excavate vegetable soil average 150mm deep and preserve on site as instructed	20	SM		
C	Excavate oversite to reduce levels	1	CM		
	<u>Strip Foundation</u>				
D	Excavate foundation trench not exceeding 1.50 m depth commencing from reduced level	20	CM		
E	Excavate pit to receive column bases not exceeding 1.5m deep commencing from reduced level	6	CM		
	<u>Items</u>				
F	Allow for planking and strutting to sides of excavations		ITEM		
	<u>Disposal</u>				
G	Load, wheel and cart away surplus excavated material	25	CM		
	Carried to Collections				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUBSTRUCTURE WORKS -CONTD</u>				
	<u>Filling</u>				
A	Return fill and ram selected excavated material around foundations.	2	CM		
	<u>Hardcore</u>				
B	300mm thick average imported hardcore filling, well handpacked and compacted in 150mm layers	10	SM		
C	50 mm selected fine material to hardcore surfaces, well rolled and leveled to receive concrete	10	SM		
	<u>Antitermite treatment</u>				
D	Termidor' antitermite treatment with 100 year guarantee or any any other equal and approved	10	SM		
E	500 gauge damproof membrane laid under concrete floor bed.	10	SM		
	<u>In-situ concrete work</u>				
	<u>Plain concrete (1:4:8) in</u>				
F	50mm Thick blinding to strip foundation	4	SM		
G	50mm Thick blinding to column bases	1	SM		
	<u>Vibrated reinforced concrete (1:2:4/20-20mm aggregate) as described in:</u>				
H	Strip footing	4	CM		
J	Column bases	2	CM		
K	150 mm thick bed	10	SM		
L	Stater columns	1	CM		
	Carried to Collections				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUBSTRUCTURE WORKS -CONTD</u>				
	<u>Sawn formwork to:</u>				
A	Vertical Sides of strip footing	4	SM		
B	Vertical sides of column bases	8	SM		
C	Vertical sides of foundation columns	12	SM		
D	Edges of Ground slab girth 75 - 150mm high	30	LM		
	<u>Deformed ribbed Steel reinforcement to KS 573:2005 as described including cutting to length, bending and fixing including all necessary tying wires and spacing blocks (all provisional)</u>				
E	12 mm diameter bars	50	Kg		
F	8mm diameter bars	55	pcs		
	<u>Steel fabric mesh reinforcement to B.S. 4483</u>				
G	Mesh fabric reinforcement Type A142 weighing 2.22Kg/sm fixed in ground slab	15	SM		
	<u>Quarry stone walling in cement and sand (1:3) mortar and including reinforcing with 20 x 3mm thick hoop iron in every alternate course.</u>				
H	200mm Thick walling	20	SM		
	Carried to Collections				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUBSTRUCTURE WORKS -CONTD</u>				
	<u>Plinths</u>				
A	12mm thick cement and sand (1:3) render to plinths	20	SM		
B	Prepare and apply three coats bituminous paint to rendered plinths	20	SM		
	Carried to Collections				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>COLLECTION</u> Brought Forward from Page No. BW/1 Brought Forward from Page No. BW/2 Brought Forward from Page No. BW/3 Brought Forward from Page No. BW/4				
	TOTAL FOR ELEMENT SUBSTRUCTURE CARRIED TO SUMMARY				
	SUPERSTRUCTURE				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 2</u> <u>WALLING</u>				
	<u>Natural stone walling bedded and jointed in cement and sand (1:3) mortar and reinforced with and including 20 swg x 25 mm wide hoopiron at alternate courses.</u>				
A	200 mm thick wall.	45	SM		
	TOTAL FOR ELEMENT WALLIG CARRIED TO SUMMARY				
	<u>ELEMENT NO. 3 FLAT ROOF</u>				
	<u>Sawn formwork to:</u>				
A	Vertical Sides of beams	8	SM		
B	Slab Soffit	10	SM		
	<u>Deformed ribbed steel reinforcement to IS 573:2005 as described including</u>				
C	12 mm diameter bars	50	Kg		
D	8mm diameter bars	55	pcs		
	<u>Steel fabric mesh reinforcement to B.S.</u>				
E	Mesh fabric reinforcement Type A142 weighing 2.22Kg/sm fixed in roof slab	15	SM		
	<u>Vibrated reinforced concrete (1:2:4/20-20mm aggregate) as described in:</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
F	150 mm thick bed	18	SM		
	Carried to Collections				
	<u>Flat Roof finishes</u>				
A	50mm thick cement sand (1:3) water proof screed to receive mastic asphalt (m/s) and laid to falls, steel trowelled smooth	18	SM		
B	30mm thick mastic asphalt water proofing laid to falls	18	SM		
	Carried to Collections				
	<u>COLLECTION</u>				
	Brought Forward from Page No. BW/12				
	Brought Forward from Page No. BW/13				
	TOTAL FOR ELEMENT ROOFING CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.4</u>				
	<u>DOORS</u>				
	<u>Frame and finishing.</u>				
	<u>Wrot Mahogany as described</u>				
A	150 x 50mm door frame with two labours	7	LM		
B	75 x 25 mm softwood architrave with two labours and chamfered	7	LM		
C	25mm softwood quadrant mould	7	LM		
	<u>Solid core Flush door</u>				
	<u>Supply and install 50mm thick mahogany</u>				
	<u>6 paneled double door or equal and</u>				
	<u>approved</u>				
D	each leaf door size measuring 750x2400x50mm thick	2	NO		
	Carried to collection				
A	<u>Supply and fix the following</u> <u>ironmongery with screws to match.</u> 2 Lever mortice lock as union or equally approved	2	NO.		

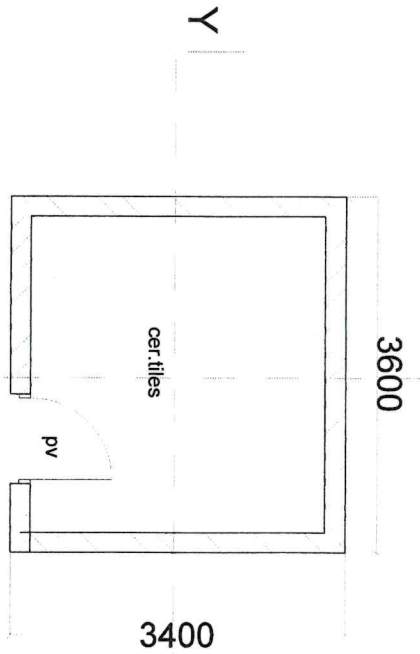
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
B	150mm pressed steel butts hinges in pairs	4	PRS		
C	100mm tower bolts	2	NO		
F	<p><u>Knot, prime, prepare and apply three coats gloss oil paint to:</u></p> <p>Door surface 100-200mm girth</p> <p><u>Knot, prime, prepare and apply one coats gloss oil paint to:</u></p>	4	LM		
J	<p>Back frame girth 100-200mm</p> <p><u>Deformed ribbed Steel reinforcement to KS 573:2005 as described including cutting to length, bending and fixing including all necessary tying wires and spacing blocks (all provisional)</u></p>	4	LM		
K	12mm diameter	10	KG		
L	<p><u>Sawn cypress timber formwork to:</u></p> <p>Sides and soffits of lintel</p> <p><u>Vibrated reinforced concrete grade 20/20 (1:2:4) in:</u></p>	2	SM		
M	Lintel	2	CM		
	Carried to collection				
	<p><u>COLLECTION</u></p> <p>Brought Forward from Page No. BW/15</p> <p>Brought Forward from Page No. BW/16</p>				
	TOTAL FOR DOOR ELEMENT CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>ELEMENT NO.5</u></p> <p><u>EXTERNAL FINISHINGS</u></p> <p><u>15mm thick cement and sand render mix (1:4) as described to:-</u></p>				
A	<p>External beam</p> <p><u>Prepare and apply three coats of approved weatheguard paint to rendered surfaces as "Basco Paints - Duracoat" or "Crown Paints" or equal and approved to:-</u></p>	7	SM		
B	Rendered wall, beam and column surfaces	7	SM		
	TOTAL FOR EXTERNAL FINISHES CARRIED TO SUMMARY				

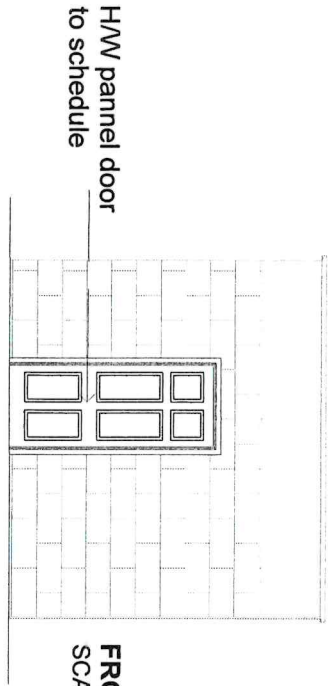
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 6</u>				
	<u>INTERNAL FINISHES</u>				
	<u>FLOORS</u>				
	<i>Cement and sand (1:4) screeding smooth trowelled</i>				
A	32mm thick screed prepared to receive Non-slip ceramic tiles (measured separately)	15	SM		
	<i>Approved non-slip ceramic floor tiles</i>				
B	300 x 300 Thick floor tiles	15	SM		
C	25mm x 100 mm high thick ceramic skirting with rounded edges	13	LM		
	<u>Ceiling</u>				
D	12mm Thick cement and sand (1:3) plaster finished with a steel float to ceiling	15	SM		
	<u>Prepare and apply three coats of plastic emulsion paint on plastered ceiling surfaces "Basco Paints - Duracoat" or "Crown Paints" or equal and approved to:-</u>				
E	Plastered concrete soffits	15	SM		
	Carried to Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>INTERNAL FINISHES (CONT'D)</u> <u>Walls</u>				
	<u>Cement and sand (1:3) plaster</u>				
C	12mm Thick to wall surfaces	45	SM		
	<u>Prepare and apply three coats of premium quality silk vinyl paint as "Basco Paints - Duracoat" or "Crown Paints" or equal and approved to:-</u>				
D	Plastered walls	45	SM		
	Carried to Collection				
	<u>COLLECTION</u> Brought Forward from Page No. BW/22 Brought Forward from Page No. BW/23				
	TOTAL FOR INTERNAL FINISHES CARRIED TO SUMMARY				

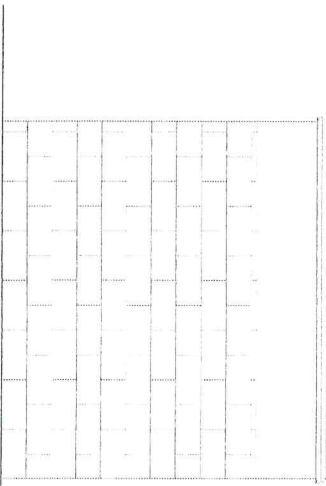
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUBSTRUCTURE		BW/5		
	WALLING		BW/12		
	ROOFING		BW/16		
	DOORS		BW/19		
	EXTERNAL FINISHES		BW/21		
	INTERNAL FINISHES		BW/24		
	TOTAL FOR BUILDER'S WORK				



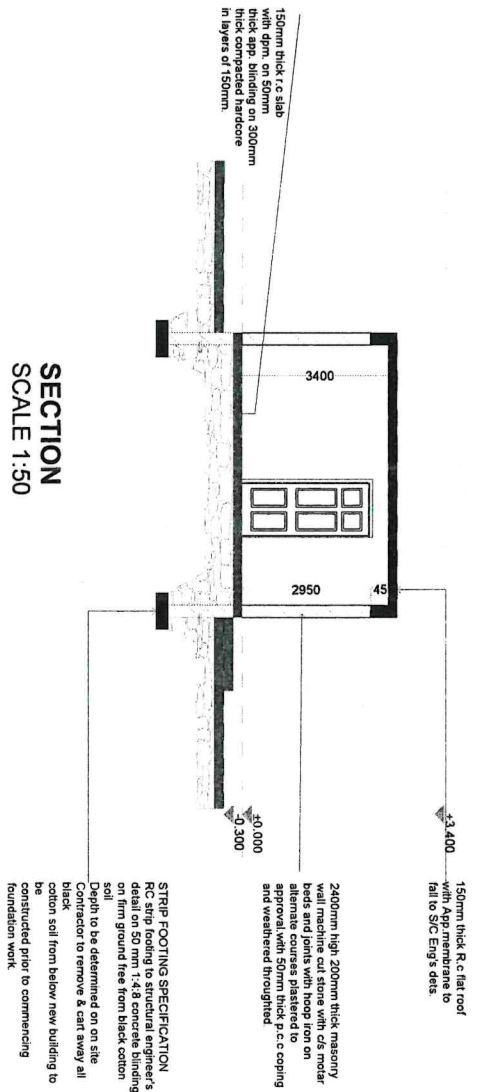
FLOOR PLAN
SCALE 1:50



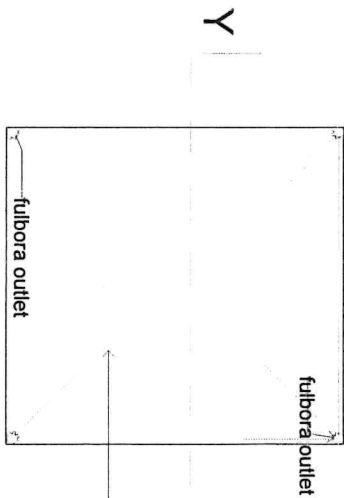
FRONT ELEVATION
SCALE 1:50



BACK ELEVATION
SCALE 1:50



SECTION
SCALE 1:50



ROOF LAYOUT
SCALE 1:50

REVISIONS	DESCRIPTION	DATE



KENYA NATIONAL HOSPITAL
P.O. BOX 20723-00202
NAIROBI

DIRECTOR FACILITIES & SERVICES

PROPOSED CTC UPS BUILDING

SCALE	SHEET NO.	DATE (REV. 2024)
As shown	A101	

