

Bill of Quantities - Proposed Renovation of MHAC Annex

ELEMENT NO. 1 : DEMOLITION AND ALTERATION								
A	Carefully remove the existing partition wall and wall boards and cart away debris from site		Item	-		-		-
B	Carefully remove the existing doors and keep on site or cart away as directed by the client		item	-		-		-
C	Carefully remove the existing windows and keep on site or cart away as directed by the client		item	-		-		-
D	Carefully hack the existing floor/wall tiles to received new ones and cart away debris from site		item	-		-		-
E	Carefully scrape the existing texcote wall paint and cart away debris from site		item	-		-		-
F	Carefully remove the existing aluminum roof covering and the roof carcass where necessary and keep on site or cart away as directed by the Architect.		Item	-		-		-
G	Carefully remove the exiting ceiling board and cart away from site		Item	-		-		-
H	Carefully break the existing 230mm block wall including created wall openings ,door and window openings and cart away from site		Item	-		-		-
J	Allow a sum for removal of electrical fittings, wiring cables, socket and switches and keep on site or cart away as directed by the client		sum	-		-		-
K	Allow a sum for additional demolition work to executed in the different sections of the works which was not initially covered in the contract and cart away as directed		sum	-		-		-
Carried to collection				-		-		-

ELEMENT NO. 1B									
SUBSTRUCTURE FOR VACCINATION ROOM AND LOBBY									
Excavation & Earth work									
A	Excavate top soil 150mm average depth and remove from site	39	m2	0	-	0	-	0	-
B	Excavate foundation trench starting from stripped level and maximum depth not exceeding 1.50m	13	m3	0	-	0	-	0	-
E	Back fill excavated materials around foundation	5	m3	0	-	0	-	0	-
F	Level and complete bottom of excavation to receive concrete	12	m2	0	-	0	-	0	-
G	Remove surplus excavated materials from site	8	m3	0	-	0	-	0	-
J	Imported soft laterite filling to make up level deposited and compacted in 150mm layers, well rammed to receive hardcore	12	m2	0	-	0	-	0	-
K	Ditto approved hardcore bed not exceeding 300mm thick	4	m3	0	-	0	-	0	-
Damp proof membrane									
L	0.26mm polythene damp proof membrane measured net in floor bed	39	m2	0	-	0	-	0	-
CONCRETE WORK									
Plain insitu concrete grade 15 (1:3:6 -20mm aggregate) in:-									
O	225mm thick foundation footing	3	m3	0	-	0	-	0	-
P	150mm thick bed	6	m3	0	-	0	-	0	-
Reinforcement									
K	BRC wire mesh laid in concrete floor bed	39	M2	0	-	0	-	0	-
Formwork									
Swan Formwork to:									
P	Edges of floor bed not exceeding 150mm high	17	m	0	-	0	-	0	-
Block Work									
Hollow sandcrete block work filled solid with plain									
R	225mm block wall	13	m2	0	-	0	-	0	-
Finishings									
T	20mm thick cement and sand rendering to exposed faces of wall	6	m2	0	-	0	-	0	-
Painting									
H	Apply emulsion paint on rendered wall	6	m2	0	-	0	-	0	-
SUBSTRUCTURE									
Total Carried to Summary									
Page RM/01B									

A	<p>ELEMENT NO. 2</p> <p><u>BLOCK WORK/CONCRETE WORK to Supervisor/Clients Approval</u></p> <p><u>Hollow sandcrete block laid in stretcher bond with cement and sand (1:4) mortar</u></p> <p>All 225 and 150mm internal walls and 150mm roof parapet walls to finishing to receive paint... Roof to tuck into parapet wall on left side of building, treated with 3 coats of bitumen/bitumenous felt and flashing board at edge of joint to prevent rain water.. To also include R.C beams on new wall at X-ray room 1 and left side roof parapet and sealing of existing air conditioning openings and vents.</p> <p><u>BLOCK WORK</u></p>	106	m2	0	-	0	-	0	-
		9			-		-		-

A	ELEMENT No. 3 ROOF as directed by Architect or Client.						
	<p>Allow a provisional sum for making good of the existing roof, comprising of introduction of roof beam where necessary,introduction of 150mm roof parapet wall to replace roof overhang on the left side of building (COSTING AT ELEMENT N0 2A), introduction of aluminum roof facia covering/flashing, ammendment of roof leakages, replacement of damage roofing sheet with 0,55 guage aluminum sheet,covering of vaccination room and lobby (steel members and covering), installation of PVC rain water collector, replacement of rotten roof carcass etc.... To be expended as measured and directed on site by Architects/Client.</p>	sum		4,000,000.00	4,000,000.00	4,000,000.00	
	ROOF Total Carried to Summary			<u>4,000,000.00</u>	<u>4,000,000.00</u>	<u>4,000,000.00</u>	
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	<p>ELEMENT NO. 4</p> <p><u>STEEL WORK to Supervisor/Clients approval.</u></p> <p><u>Fabricate weld together steel stanchion and mount on concrete base as support to new vaccine area roof structure and include any other steel works.</u></p>								
A	<p>50 x 100mm x 6mm thick steel stanchion, measured complete with foundation base and base plates , angle cleat and associate concrete and form work</p>	1	No	0	-	0	-	0	-
	<p><u>STEEL WORK</u></p>								
	<p>Total Carried to Summary</p>				-		-		-

ELEMENT NO. 5 as Approved by Architect or Client.									
WINDOWS									
OPTION 1: Approved factory glazed EBM powder coated aluminum casement windows and glazed with 5mm glass including fixing into concrete and block work with approved sealant									
A	Window size 1500 x 1200mm high ditto (W1)	1	No	0	-				
B	Ditto size 900 x 1200mm high ditto (W2)	10	No	0	-				
C	Ditto size 750 x 600mm high ditto (W3)	3	No	0	-				
OPTION 2: Approved factory glazed NIGALEX PROFILE powder coated aluminum casement windows and glazed with 5mm glass including fixing into concrete and block wok with approved sealant									
A	Window size 1500 x 1200mm high ditto (W1)	1	No			0	-		
B	Ditto size 900 x 1200mm high ditto (W2)	10	No			0	-		
C	Ditto size 750 x 600mm high ditto (W3)	3	No			0	-		
OPTION 3: Approved factory glazed STANDARD TOWER PROFILE powder coated aluminum casement windows and glazed with 5mm glass including fixing into concrete and block wok with approved sealant									
A	Window size 1500 x 1200mm high ditto (W1)	1	No					0	-
B	Ditto size 900 x 1200mm high ditto (W2)	10	No					0	-
C	Ditto size 750 x 600mm high ditto (W3)	3	No					0	-
Burglar proof									
Approved steel burglar proof fix to opening									
D	Window size 1500 x 1200mm high ditto	1	No	0	-	0	-	0	-
E	Ditto size 900 x 1200mm high ditto	10	No	0	-	0	-	0	-
F	Ditto size 750 x 600mm high ditto	3	No	0	-	0	-	0	-
WINDOWS									
Total Carried to Summary									
Page RM/05									

ELEMENT NO. 6: DOORS as Directed by Architect/Client									
INTERNAL DOORS									
<u>44mm thick HDF semi-solid cored flush door with 25mm x 300mm wrought hardwood door frame/lining and 20mm x 75mm moulded wrought hardwood architrave complete with ironmongery and high quality locks including polishing:</u>									
A	Single leaf door size 900mm wide x 2100mm high (D1)	8	No	0	-	0	-	0	-
B	Ditto size 750mm wide x 2100mm high (D2)	8	No	0	-	0	-	0	-
ENTRANCE DOORS									
<u>OPTION 1: Purpose made TURKISH security entrance swing doors or any equal type and fix to manufacturer details including fixing in concrete/block work or existing glass panel.</u>									
C	Door size 1200 x 2100mm (D3)	2	No	0	-				
D	Door size 900 x 2100mm (D4)	3	No	0	-				
<u>OPTION 2: Purpose made ISREALI security entrance swing doors or any equal type and fix to manufacturer details including fixing in concrete/block work or existing glass panel.</u>									
C	Door size 1200 x 2100mm (D3)	2	No			0	-		
D	Door size 900 x 2100mm (D4)	3	No			0	-		
<u>OPTION 3: Purpose made ITALLIAN security entrance swing doors or any equal type and fix to manufacturer details including fixing in concrete/block work or existing glass panel.</u>									
C	Door size 1200 x 2100mm (D3)	2	No					0	-
D	Door size 900 x 2100mm (D4)	3	No					0	-
E	Allow a sum for amendment of glass wall tampered with in the process of fixing the external doors and windows in the glass wall and carting away debris from site.		Sum		-				-
DOORS									
Total Carried to Summary									

ELEMENT NO. 7: WALLS as directed by Architect/Client.									
INTERNAL WALL PARTITION									
A	OPTION 1: Double faced 200mm thick partition walls, using laminated HDF boards ,including inbuilt doors(10 nos) /windows in accordance to Architectural design and all fixed on a firm constructed wooden sub framed structure with accomplish thermal and accoustic comfort including concealing all services cables and other accessories and including tempered X-ray room monitoring glass panel cut in partition and installed to Architects instruction.	93	m2	0	-				
	OPTION 2: 100mm thick double panel with sound insulation of approved colour with Nigalex or other equal and approved Aluminium glass anodised partitioning wall complete with approved frame with inbuilt doors(10 nos)/ windows and including tempered X-ray room monitoring glass panel cut in partition and installed to Architects instruction.	93	m2			0	-		
	OPTION 3: 40mm thick aluminum profiles with 5mm thick frosted infill glass panels complete with in-built doors(10 nos)/ windows and all necessary accessories to manufacturer's specification and including tempered X-ray room monitoring glass panel cut in partition and installed to Architects instruction. EXTERNAL PANEL WALL (Vaccination room and lobby)	93	m2					0	-
B	200mm double faced external steel wall with high quality internal cladding and inbuilt door (1 no) /windows(5 nos) with fitted steel burglary in accordance with Architectural design and all fixed on a firm constructed steel frame with accomplish thermal and accoustic comfort including treatment of the external surface of the steel panel with antirust and concealing all services cables and other accessories and ensuring high level comfort in enclosed spaces.. High quality cellulose caplux steel paints or any other of equal and approved quality to be applied.	71	m2	0	-	0	-	0	-
WALLS									
Total Carried to Summary									
					0.00		0.00		0.00

ELEMENT NO. 8: FINISHING									
FINISHES as directed by Architect/Client.									
<u>Floor</u>									
OPTION 1: 600x 600 x 8mm thick polish ceramic floor tiles of approved colour laid on screeded bed with cement and sand mortar (1:3) (measured separately)									
A	Nigerian porcelain floor tillings	281	m2	0	-				
B	Skirting 100mm high	117	m	0	-				
OPTION 2: 600x 600 x 8mm thick polish ceramic floor tiles of approved colour laid on screeded bed with cement and sand mortar (1:3) (measured separately)									
	Spanish/Italian porcelain floor tillings	281	m2			0	-		
	Skirting 100mm high	117	m			0	-		
OPTION 3: 600x 600 x 8mm thick polish ceramic floor tiles of approved colour laid on screeded bed with cement and sand mortar (1:3) (measured separately)									
	<i>Ditto 600 x 600mm x 12mm thick black colour high quality fully vitrified "Nigerian Granite" floor tiles</i>	281	m2					0	-
	Skirting 100mm high	117	m					0	-
Cement and Sand (1:3)									
E	40mm screeded bed	282	m2	0	-	0	-	0	-
F	15mm backing not exceeding 200mm high	117	m	0	-	0	-	0	-
<u>Wall</u>									
<u>Internal</u>									
15mm thick cement and sand (1:3)									
G	Rendering on walls	156	m2	0	-	0	-	0	-
H	Ditto narrow width not exceeding 200mm high	47	m	0	-	0	-	0	-
J	Ditto backing to wall tiles	109	m2	0	-	0	-	0	-
<u>Wall Tiles</u>									
400 x 400 x 10mm thick glazed ceramic wall tiles laid with cement and sand mortar on screeded backing									
O	Wall tiles	109	m2	0	-	0	-	0	-
P	Narrow with not exceeding 200mm wide	30	m	0	-	0	-	0	-
<u>External</u>									
15mm thick cement and sand (1:3)									
Q	Rendering on walls	76	m2	0	-	0	-	0	-
S	Ditto narrow width exceeding 100mm wide	14	m	0	-	0	-	0	-
Carried to collection									

	CEILING as approved by Architect/Client								
	<u>Internal</u>								
A	OPTION 1: 600 x 600 laminated gypsum board ceiling tiles fixed on exposed aluminum grids in accordance with the manufacturer's specification	296	m2	0	-				
	OPTION 2: 12.5mm thick <i>MOISTURE</i> resistant gypsum plasterboard ceiling fixed to imported galvanized metal framework placed at 600mm centres with all necessary accessories for vertical and lateral supports; treated all joints and screeding with white P.O.P screed on completion.	296	m2			0	-		
	OPTION 3: 15mm thick cast-insitu pop panels complete with side cornice bolders fixed to wood noggings; complete with screeding (measured seperately)	296	m2					0	-
B	50 x 50mm noggins	1446	m	0	-	0	-	0	-
	Carried to collection				-		-		-
	<u>COLLECTION</u>								
	Page RM/08				-		-		-
	Page RM/08B				-		-		-
	<u>FINISHINGS</u>								
	Carried to Summary				-		-		-
	Page RM/08B								

ELEMENT NO.9: PLUMBING INSTALLATIONS									
Sanitary Fittings Supply and fix the following sanitary fittings complete with fittings and accessories as approved by supervisor or client.									
A	WC suite complete	5	No	0	-	0	-	0	-
B	Wash Hand basin complete	5	No	0	-	0	-	0	-
F	Floor drain	5	No	0	-	0	-	0	-
G	Toilet Accessories	5	set	0	-	0	-	0	-
H	Medium size toilet mirror	5	No	0	-	0	-	0	-
Piping Work									
K	Allow a sum of N500,000.00 for water supply from borehole or main source to building and waste disposal piping work to be executed complete. Including inspection chambers and connections to septic tanks and soakaway pits.				sum	500,000.00	500,000.00		500,000.00
L	Allow a sum for building works in connection with this section of work including removal of existing and cart away.				item	-	-		-
PLUMBING INSTALLATION Total Carried to Summary									
						500,000.00	500,000.00		500,000.00

ELEMENT NO.10									
ELECTRICAL INSTALLATION									
A	Allow a sum for the re-installation of all electrical works complete (including all internal works and external wall lighting) and make good electrical room and connection as approved by Supervisor or Client..Provision of openings for air conditioning.To be expended as measured and directed on site by Architects/Client.			sum	1,800,000.00	1,800,000.00	1,800,000.00		
ELECTRICAL INSTALLATION									
Total Carried to Summary					1,800,000.00	1,800,000.00	1,800,000.00		

ELEMENT NO. 11 PAINTING AND DECORATION									
	INTERNAL WALL <i>prepare and apply three coats of CAPLUX SATIN paint or any other of equal quality as approved by Architect or Client on;</i>								
A	Internal walls including narrow width and include high quality oil based paint on steel surfaces where necessary as directed	748	m2	0	-	0	-	0	-
B	POP floating on internal wall	748		0	-	0	-	0	-
	EXTERNAL WALL <i>prepare and apply three coat of CAPLUX EMULSION paint or any other of equal quality as approved by Architect or Client on;</i>								
C	Internal walls including narrow width	262	m2	0	-	0	-	0	-
D	POP screeding on external wall	262		0	-	0	-	0	-
	PAINTING & DECORATION								
	Total Carried to Summary				-		-		-

SUMMARY				
S/NO	DESCRIPTION	AMOUNT	AMOUNT	AMOUNT
1	DEMOLITION AND ALTERATION	-	-	-
1B	SUBSTRUCTURE (VACCINATION ROOM)	-	-	-
2	BLOCK WORK	-	-	-
3	ROOF WORK	4,000,000.00	4,000,000.00	4,000,000.00
4	STEEL WORK	-	-	-
5	WINDOWS	-	-	-
6	DOORS	-	-	-
7	WALLS	-	-	-
8&8B	FINISHING	-	-	-
9	PLUMBING INSTALLATIONS	500,000.00	500,000.00	500,000.00
10	ELECTRICAL INSTALLATIONS	1,800,000.00	1,800,000.00	1,800,000.00
11	PAINTING AND DECORATION	-	-	-
	SUB - TOTAL	6,300,000.00	6,300,000.00	6,300,000.00
	ADD: CONTIGENCIES	2,000,000.00	2,000,000.00	2,000,000.00
	ADD: PRELIMINARIES	500,000.00	500,000.00	500,000.00
	REMODELLING AND UPGRADING OF IOM OFFICE (2) AT IKEJA, LAGOS			
12	TOTAL CONTRACT SUM	8,800,000.00	8,800,000.00	8,800,000.00

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NOTE 1: Provisional sums can only be expended as measured and directed on site by Architects/Client.

NOTE 2: where options are given, Bidder to quote for all options, the client will select which option to go with during evaluation.