



BILL OF QUANTITIES

FOR

**REHABILITATION WORKS AT NO. 1 FREDRICK ILEKHUOBA CLOSE, OFF
BOUNDARY ROAD- BENIN CITY.**

Cordinates: LAT.N 06° 18' 56" N, LONG. E 05 ° 36' 51"

CLIENT

IOM, NIGERIA

DECEMBER, 2022.



REHABILITATION OF MAIN BUILDING & BQs AT NO.1 FREDRICK ILEKHUOBA
CLOSE, OFF BOUNDARY ROAD - BENIN CITY

GENERAL SUMMARY

S/No.	Name	No. of Units	Amount (NGN)	Total Amount (NGN)
1	General Preliminaries	1		
2	Main Building Rehabilitation works	1		
3	BQ- 1 Renovation Works	1		
4	BQ -2 Renoavtion Works	1		
TOTAL COST OF RENOVATION AND CONSTRUCTION WORKS				₦ -

PRELIMNARIES AND GENERAL WORKS

Item	Description	Unit	Quantity	RATE (NGN)	AMOUNT(NGN)
1	Transportation of Major materials from source / manufacturers / dealers	LS	1		
2	Rubbish disposal and general cleaning	LS	1		
Total Prelimnaries					₦ -

MAIN BUILDING REHABILITATION WORKS

S/N	DESCRIPTION OF ITEM	QTY	UNIT	U/PRICE	AMOUNT
	ELEMENT NO. 1 : DEMOLITION				
a	Carefully remove the existing wooden kitchen cabinets that are not needed and keep on site or cart away as will be directed.		sum		-
b	Carefully hack the existing floor (Ground, first and pent floor) cement screed to receive new tiles and cart away debris from site		sum		-
c	Carefully remove the existing aluminum roof covering and damaged PoP Ceiling where necessary and keep on site or cart away as directed by the engineer.		sum		-
d	Allow a sum for additional demolition work to be executed in the different sections of the works which was not initially covered in the contract and cart away as directed.		sum		-
e	Allow for the chieseling of the staricase area to create access for metallic staircase at the rear and at the canteen section of the building		sum		-
	Demolition to Summary:				₹ -
S/N	DESCRIPTION OF ITEM	QTY	UNIT	U/PRICE	AMOUNT
	ELEMENT NO. 2 : CONCRETE				
	<u>IN SITU CONCRETE/LARGE PRECAST CONCRETE</u>				
	<u>IN SITU CONCRETE</u>				
	<u>Reinforced: Insitu vibrated concrete Grade 25; developing minimum 25N/mm2 work strength in 28 days</u>				
a	Concrete work for extention of cantilever at certificate room exit veranda, costed with form work on both edges.	4	m ³		-
	<u>REINFORCEMENT FOR IN SITU CONCRETE</u>				
	<u>Reinforcement: High yield steel reinforcement to BS 4449 grade 250</u>				
b	Bars 12 nominal size in cantilever extension	120	kg		-
c	Bars 10 nominal size in cantilever extension for stirups	60	kg		-

	Concrete works to Collection				
					-
S/N	DESCRIPTION OF ITEM	QTY	UNIT	U/PRICE	AMOUNT
	ELEMENT NO. 3 ROOFING				
	ROOF				
	<u>0.55 Gauge coloured longspan Aluminium sheet roofing laid with 150mm end and side lap and nailed on wooden trusses. Complete gauge of approved colour</u>				
a	Roof covering	486	m2		
b	Allow a sum for installation accessories including scaffold	1	sum		
c	Made good any damaged roof truss wood works to include noggings with treatment.	1	sum		
d	Supply and install pvc roof gutter on the eaves with its collector and channelling to the mains	180	m		
f	Allow for bitumen felt works at the first floor veranda with all accessories: using felt of 50 -75 mm thickness as will be directed.	81	m2		
	Roof to Summary:				-
S/N	DESCRIPTION OF ITEM	QTY	UNIT	U/PRICE	AMOUNT
4	<u>ELEMENT NO. 4</u>				
	<u>STEEL WORK to Supervisor/Clients approval.</u>				
	<u>Fabricate weld together steel I channels and mount on pad footings for 2 number staircase of 1200 mm width at the rear and right hand elevation.</u>				
	<u>Excavation and Earthwork</u>				
a	Excavate:1200mmx1200mmx900mm for pad footings for the 2 number staircase.	4	no		-
	<u>Concrete (1:2:4 20mm agq):</u>				-
	<u>Blinding works:</u>				-
b	In pad foundations 1200mmx1200mm x900mm	4	no		-
	<u>High tensile bar (BS4449) for footings and columns - Staircase</u>				-
c	Y 16 foundation reinforcement and stirup	6	no		-
	<u>Steel Works Fabrication for Staircase</u>				-
d	Provide base plate 500mmx500mm with 4no, 18mm dia. holes (16mm thick)	4	no		-

e	Apply 3 coats of paint on all steel (prime with red oxide) finishing paint (Aluminum) for the entire stanchion construction.	1	sum	-
f	I - Column for staircase: 200 x100 x 9mm: Welded structural steel column and associated fittings, bolts, sundry members and the like; supporting first floor placed on gusset plates; treated with red oxide and spaced @ 100-150mm interval, as will be directed	24	m	-
g	Flange Beam for the staircase: 150x75x6mm: Welded structural steel flange beams resting on I-Column and directly supporting steel plates and associated fittings, bolts, sundry members and the like; supporting first floor; treating with red oxide.	24	m	-
h	Staircase Plate: 3mm gauge steel plates welded and placed on top of flanged beams to serve as landing for staircase work directly supporting first flight and associated fittings, bolts, sundry members and the like; supporting first floor; treating with red oxide for 2 number.	27	m2	-
i	Protective Handrails: Protective rails using 40 x 40 mm pipes braced with 38 mm round pipes at intervals of 400mm to a height of 1000 mm as approved by the two sides of the staircase and welded to frame to make it rigid and reliable as approved by the engineer	24	m	-
j	Fabrication of steel ramp for the registration room ramp using checker plate and 50 mm x 50 mm steel frame and painted with red oxide and approved colour, as will be directed. (Size 900 mm x 1200 mm width)	1	no	-

Steel Fabrication works To Summary:

S/N	DESCRIPTION OF ITEM	QTY	UNIT	U/PRICE	AMOUNT
5	ELEMENT NO. 5 : Doors and Windows				
	<u>DOOR</u>				
	<u>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>				
a	Door size 1200 x 2100mm	1	No		-
b	Door size 900 x 2100mm	4	No		-
	<u>WINDOWS</u>				
	<u>Approved factory glazed STANDARD TOWER PROFILE powder coated aluminum casement windows and glazed with 5mm glass including fixing into concrete and block work with approved sealant</u>				-
c	Allow for the maintenance of existing windows in the main building: To include replacement of damaged hinges, screws and other accessories	1	sum		-
	<u>Burglar proof</u>				
d	<u>Approved steel burglar proof fix to opening</u> <u>Allow provisional sum for the repainting of existing burglar proof in the main building and bracing of any loose runners</u>	1	sum		-

Doors and windows to Summary:

S/N	DESCRIPTION OF ITEM	QTY	UNIT	U/PRICE	AMOUNT
	Doors and windows to Summary:				-
6	ELEMENT NO. 6: WALL & FLOOR FINISHES				
	<u>TILING WORKS</u>				
	<u>FLOOR FINISHES</u>				
	<u>ALL</u>				
a	Supply and installed 600 mm x 600 mm thick non-slip Porcelain floor tiles "ROYAL" free from all defects and laid on 40 mm thick screeded cement sand (1:3) bed. Price shall include filling beddings in cement mortar, grouting and cleaning on site. the colour , shall be approved by the supervising engineer. Floor Tiling works	510	m2		
b	Allow provisional sum for the cleaning and polishing of existing tiles in the main Building	1	sum		
	<u>CEILING FINISHES</u>				
	<u>SURFACE FINISHES</u>				
	<u>PLASTERED/RENDERED/ROUGH CAST COATINGS</u>				
	<u>POP linings</u>				
c	Ceiling; on 600 x 600 Noggins externally (measured separate) complete with all accessories and installation works with position for recess light well parked.	459	m ²		
	<u>PAINTING AND DECORATION</u>				
	<u>Painting Works</u>				
	Painting to wall shall be measured in square meters. Paint shall be supplied to site in seal containers and approved by the engineer. The rate shall include supply of all materials, workmanship, surface preparations by applying 3-5mm thickness screeding on the walls.				
d	One undercoat and two coat coloured finishing coats of satin paint for internal walls in the building.	1786	m2		-
e	One undercoat and two coat coloured finishing coats of emulsion paint for external walls.	745	m2		-
	Finishes to summary				-
S/N	DESCRIPTION OF ITEM	QTY	UNIT	U/PRICE	AMOUNT

7	ELECTRICAL AND MECHANICAL WORKS			
	<u>Cable (NOCACO or its equivalent -Provisional)</u>			
	Allow a sum for the maintenace / reconnection of all electrical works for the existing building 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 engineer/ client	1	sum	-
	<u>Lightening Installation (Provisional)</u>			
	<u>Fitting and Accessories (Panasonic/National)</u>			
a	Recess lights into PoP ceiling of 18 Watts with all installation works	65	Num	-
b	2- way wall switch with silver control 13 A	32	Num	-
c	Wall Lamp with bulb and installations on the stairway and passage	6	Num	-
d	External wall lamp holder with casing and cover	10	Num	-
e	Allow for testing and commissioning the whole installations	1	sum	-
	<u>MECHANICAL INSTALLATIONS</u>			
	<u>SANITARY APPLIANCES/FITTINGS</u>			
	<u>Colours of fixtures and appliances shall be white except otherwise specified by the architect to match Architect's colour schedule.</u>			
	Allow a sum for plumbing works maintenace works, to ensure connection from borehole to the main building and any plumbing leakage works.To be expended as measured and directed on site by engineer/ client	1	sum	-
	<u>Water Closet (CLOSE COUPLE)</u>			
f	"Armitage shanks" or "Twyford" size 500 x 700mm reflection close coupled toilet suits, set tube nozle and other accessories, fixed in accordance with manufacturer's instructions	5	Nr	-
	<u>Wash Basin</u>			
g	"Armitage shanks" or "Twyford" size 550 x 480mm, complete with all accessories including pedestal 1No. Pillar taps.	3	Nr	-
	<u>Sink</u>			
h	Sink: Sanbath stainless steel kitchen sink double bowl with drainer bowl drainer including concealed bracket and including 38mm diameter chromium plated waste plug and chain 1 No pillars taps for the canteen area	1	Nr	-
	<u>TOILET ACCESSORIES</u>			
	<u>Toilet Roll Holder</u>			
i	Armitage Shanks "MYFAIR" screw to wall Toilet Roll Holder in stainless steel Cat No. S5095 with thief proof holder. Complete with chrome plated fixing screws	9	Nr	-
	To Collection			-

Summary					
1	Demolition				
2	Concrete works				
3	Roofing				
4	Metallic stell fabrication				
5	Doors and windows				
6	Floor and Wall Finishing				
7	Electrical and Mechanical works				
	SUB-TOTAL				₹ -
	ADD CONTINGENCIES				₹ -
	GRAND TOTAL				₹ -

BOYS QUARTERS -1

S/N	DESCRIPTION OF ITEM	QTY	UNIT	U/PRICE	AMOUNT
	ELEMENT NO. 1 : PRELIMINARIES				
a	Carefully hack the existing buiding to receive new painting works		item		-
b	Carefully remove the existing aluminum roof covering and damaged PVC Ceiling and cart away as will be directed by the engineer.		Item		-
c	Hack the existing floor to receive new tiling works		sum		-
	PRELIMINARIES to Summary:				N -
S/N	DESCRIPTION OF ITEM	QTY	UNIT	U/PRICE	AMOUNT
	ELEMENT NO. 2 ROOFING ROOF <u>0.55 Guage coloured longspan Aluminium sheet roofing laid with 150mm end and side lap and nailed on wooden trusses. Complete gauge of approved colour</u>				
a	Roof covering	132	m2		
c	Made good any damaged roof truss wood works to include noggings with anti-termite treatment	1	sum		
d	Supply and install pvc roof gutter on the eaves with its collector and channelling to the mains	62	m		
	Roof to Summary:				-
S/N	DESCRIPTION OF ITEM	QTY	UNIT	U/PRICE	AMOUNT
3	ELEMENT NO. 3 : Doors and Windows <u>DOOR</u>				
	Purpose made american security doors or any equal type and fix to manufacturer details including fixing in concrete/block work or existing glass panel.				
a	Door size 900 x 2100mm	4	num		-
b	Door size 750 x 2100mm	3	num		-
					-
					-

	<u>WINDOWS</u> 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				-
c	Allow for the maintainace of existing windows in the for the BQ Building: To inlcude replacement of damaged hinges, screws and other accessories Size 1500 x 1200 mm Ditto: 1200 x 1200 mm Ditto: 600 x 600 mm	2 7 2	num num num		- - - - - - - -
d	<u>Burglar proof</u> <u>Approved steel burglar proof fix to opening</u> <u>Allow provisional sum for the repainting of existing burglary proof in the main building and bracing of any loose runners</u>	1	sum		- -
	Doors and windows to Summary:				-
S/N	DESCRIPTION OF ITEM	QTY	UNIT	U/PRICE	AMOUNT
4	ELEMENT NO. 4: WALL & FLOOR FINISHES <u>TILING WORKS</u> <u>FLOOR FINISHES</u> <u>ALL</u>				
a	Supply and installed 600 mm x 600 mm thick non- slip Porcelain floor tiles "ROYAL" free from all defects and laid on 40 mm thick screeded cement sand (1:3) bed. Price shall include filling beddings in cement mortar, grouting and cleaning on site. the colour , shall be approved by the supervising engineer. Floor Tiling works for the building	50.7	m2		
	Dito: Veranda tiling works	22.5	m2		
	<u>CEILING FINISHES</u>				
	<u>SURFACE FINISHES</u> <u>PLASTERED/RENDERED/ROUGH CAST COATINGS</u>				
	<u>CEILING WORKS</u> <u>ALL</u>				

	600 x 600 laminated gypsum board ceiling tiles fixed on exposed aluminum grids in accordance with the manufacturer's specification for the BQ and toilet	73.2	m2		
	<u>PAINING AND DECORATION</u>				
	<u>Painting Works</u>				
	Painting to wall shall be measured in square meters. Paint shall be supplied to site in seal containers and approved by the engineer. The rate shall include supply of all materials, workmanship, surface preparations by applying 3-5mm thickness screeding on the walls.				
c	One undercoat and two coat coloured finishing coats of satin paint for internal walls in the buidling.	211	m2		-
d	One undercoat and two coat coloured finishing coats of emulsion paint for external walls.	119	m2		-
	Finishes to summary				-
S/N	DESCRIPTION OF ITEM	QTY	UNIT	U/PRICE	AMOUNT
5	ELECTRICAL AND MECHANICAL WORKS				
	Allow a sum for electrical connections connection works, to ensure connection from borehole to the main building and any plumbing leakage works.To be expended as measured and directed on site by engineer/ client	1	sum		-
	<u>Lightening Installation (Provisional)</u>				
	<u>Fitting and Accessories (Panasonic/National)</u>				-
b	Recess lights into suspended ceiling of 18 Watts with all installation works	8	Num		-
c	2- way wall switch with silver control 13 A	12	Num		-
e	External wall lamp holder with casing and cover	6	Num		-
	<u>MECHANICAL INSTALLATIONS</u>				
	<u>SANITARY APPLIANCES/FITTINGS</u>				
	<u>Colours of fixtures and appliances shall be white except otherwise specified by the architect to match Architect's colour schedule.</u>				
	Allow a sum for plumbing works maintenace works, to ensure connection from borehole to the main building and any plumbing leakage works.To be expended as measured and directed on site by engineer/ client	1	sum		-
	<u>Water Closet (CLOSE COUPLE)</u>				

A	<p>"Armitage shanks" or "Twyford" size 500 x 700mm reflection close coupled toilet suits, set tube nozzle and other accessories, fixed in accordance with manufacturer's instructions</p> <p>Sink</p> <p>E Sink: Sanbath stainless steel kitchen sink double bowl drainer including concealed bracket and including 38mm diameter chromium plated waste plug and chain 2 No pillars taps for the canteen area</p>	2	Nr		-
To Collection					
Summary					
1	Demolition				
2	Roofing				
3	Doors and windows				
4	Floor and Wall Finishing				
5	Electrical and Mechanical works				
SUB-TOTAL					#
CONTINGENCY					#
GRAND TOTAL					#

BOYS QUARTERS -2 (NURSES STATION)

S/N	DESCRIPTION OF ITEM	QTY	UNIT	U/PRICE	AMOUNT
	ELEMENT NO. 1 : PRELIMINARIES				
a	Carefully hack the existing buiding to receive new painting works		item		-
b	Carefully remove the existing aluminum roof covering and damaged PVC Ceiling and cart away as will be directed by the engineer.		Item		-
c	Hack the existing floor to receive new tiling works		sum		
	PRELIMINARIES to Summary:				
S/N	DESCRIPTION OF ITEM	QTY	UNIT	U/PRICE	AMOUNT
	ELEMENT NO. 2 ROOFING ROOF <u>0.55 Guage coloured longspan Aluminium sheet roofing laid with 150mm end and side lap and nailed on wooden trusses. Complete gauge of approved colour</u>				
a	Roof covering	200.8	m2		0
c	Made good any damaged roof truss wood works to include noggings with anti-termite treatment	1	sum		0
d	Supply and install pvc roof gutter on the eaves with its collector and channelling to the mains	74.2	m		0
	Roof to Summary:				
S/N	DESCRIPTION OF ITEM	QTY	UNIT	U/PRICE	AMOUNT
3	ELEMENT NO. 3 : Doors and Windows DOOR				

	Purpose made american security doors or any equal type and fix to manufacturer details including fixing in concrete/block work or existing glass panel.				
a	Door size 900 x 2100mm	1	num		-
b	Door size 750 x 2100mm	3	num		-
	WINDOWS				
	<u>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</u>				
c	Allow for the maintanace of existing windows in the for the BQ Building: To inlcude replacement of damaged hinges, screws and other accessories				
	Size 1200 x 1800 mm	3	num		-
	Ditto: 900 x 1200 mm	1	num		-
	Ditto: 600 x 600 mm	6	num		-
	Burglar proof				
d	<u>Approved steel burglar proof fix to opening</u> <u>Allow provisional sum for the repainting of existing burglary proof in the main building and bracing of any loose runners</u>	1	sum		-
	Doors and windows to Summary:				-

S/N	DESCRIPTION OF ITEM	QTY	UNIT	U/PRICE	AMOUNT
4	ELEMENT NO. 4: WALL & FLOOR FINISHES				
	<u>TILING WORKS</u>				
	<u>FLOOR FINISHES</u>				
	<u>ALL</u>				
a	Supply and installed 600 mm x 600 mm thick non- slip Porcelain floor tiles "ROYAL" free from all defects and laid on 40 mm thick screeded cement sand (1:3) bed. Price shall include filling beddings in cement mortar, grouting and cleaning on site. the colour , shall be approved by the supervising engineer.				
	Dito: Veranda tiling works	16.2	m2		
	<u>CEILING FINISHES</u>				
	<u>SURFACE FINISHES</u>				
	<u>PLASTERED/RENDERED/ROUGH CAST COATINGS</u>				
	<u>CEILING WORKS</u>				
	<u>ALL</u>				

b	600 x 600 laminated gypsum board ceiling tiles fixed on exposed aluminum grids in accordance with the manufacturer's specification for the BQ and toilet	293.16	m2		0
<u>PAINTING AND DECORATION</u>					
c	<u>Painting Works</u> Painting to wall shall be measured in square meters. Paint shall be supplied to site in seal containers and approved by the engineer. The rate shall include supply of all materials, workmanship, surface preparations by applying 3-5mm thickness screeding on the walls.				
c	One undercoat and two coat coloured finishing coats of satin paint for internal walls in the building.	302	m2		-
d	One undercoat and two coat coloured finishing coats of emulsion paint for external walls.	120	m2		-
e	Ditto: Treatment of damp area on the external wall , by chieseling, applying water seal and then screeding	20	m2		-
Finishes to summary					-
S/N	DESCRIPTION OF ITEM	QTY	UNIT	U/PRICE	AMOUNT
5	ELECTRICAL AND MECHANICAL WORKS Allow a sum for electrical connections connection works, to ensure connection from borehole to the main building and any plumbing leakage works.To be expended as measured and directed on site by engineer/ client	1	sum		-
<u>Lightening Installation (Provisional)</u>					
<u>Fitting and Accessories (Panasonic/National)</u>					
a	Recess lights into suspended ceiling of 18 Watts with all installation works	12	Num		-
b	2- way wall switch with silver control 13 A	8	Num		-
c	External wall lamp holder with casing and cover	6	Num		-
<u>MECHANICAL INSTALLATIONS</u>					
<u>SANITARY APPLIANCES/FITTINGS</u>					
<u>Colours of fixtures and appliances shall be white except otherwise specified by the architect to match Architect's colour schedule.</u>					
Allow a sum for plumbing works maintenace works, to ensure connection from borehole to the main building and any plumbing leakage works.To be expended as measured and directed on site by engineer/ client		1	sum		-
<u>Water Closet (CLOSE COUPLE)</u>					

d	"Armitage shanks" or "Tywford" size 500 x 700mm reflection close coupled toilet suits, set tube nozzle and other accessories, fixed in accordance with manufacturer's instructions	2	Nr	-
	Wash Basin			-
e	"Armitage shanks" or "Tywford" size 550 x 480mm, complete with all accessories including pedestal 2No. Pillar taps, soap holder.	2	Nr	-
	Sink			-
f	Sink: Sanbath stainless steel kitchen sink double bowl drainer including concealed bracket and including 38mm diameter chromium plated waste plug and chain 2 No pillars taps for the canteen area	1	Nr	-
	To Collection			-
Summary				
1	Demolition			
2	Roofing			
3	Doors and windows			
4	Floor and Wall Finishing			
5	Electrical and Mechanical works			
	SUB-TOTAL			₺
	CONTINGENCY			₺
	GRAND TOTAL			₺