
BILL OF QUANTITIES

FOR THE

**PROPOSED REHABILITATION OF CENTRE FOR
BIOTECHNOLOGY RESEARCH AND TRAINING**

FOR

AHMADU BELLO UNIVERSITY ZARIA

December, 2017

GROUND FLOOR

DEMOLITION

GROUND FLOOR

A	Remove existing flush door size 750 x 2100mm and convey to Estate yard.	3	Nr	5,000.00	15,000.00
B	Ditto: Wooden panel size 1500 x 100mm	3	Nr	3,000.00	9,000.00
C	Wooden panel size 900 x 100mm	44	Nr	5,000.00	220,000.00
D	Remove existing damaged ceiling	48	m2	700.00	33,600.00
E	Remove existing PVC tile and cataway	695	m2	1,000.00	695,000.00
F	Remove existing damaged WC and wash basin	7	Nr	1,000.00	7,000.00

To Collection

979,600.00

DOORS AND WINDOWS

A	Supply and fix ready made flush door (home pride) size 750 x 2100mm complete with steel frame and	3	Nr	38,000.00	114,000.00
B	Fabricate and fix metal steel door using 50 x 25mm hollow black pipe and covered with chaka plate complete approved locks size 1500 x 2100mm shutter only.	3	Nr	32,000.00	96,000.00
C	Ditto size 900 x 2100mm	44	Nr	32,000.00	1,408,000.00

Door and window works on ground floor carried to summary

1,618,000.00

FITTINGS AND FIXTURES

A	Supply and fix 19mm plywood to selves size 800 x 400mm including polishing.	56	Nr	2,200.00	123,200.00
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Fittings and fixtures works on Ground floor carried to summary 123,200.00

WALL FINISHES

Internal Work

Painting and Decorating

Prepare and supply two coats of emulsion paint vinyl matt obtainable from Portland Paint & Products Nig. Ltd on:

A	Walls including narrow widths	2,559	m2	600.00	1,535,400.00
B	Polish on wooden wall	233	m2	600.00	
<p>Wall Tiling 150 x 150 x 6mm white glazed ceramic cushioned edged wall tiles to BS1281 bedded in cement mortar on floated backing (measured separately and grouted in white cement)</p>					
C	Walls in the toilet to height of 2100mm	11	m2	3,000.00	33,000.00
	Cement and Sand				-
D	12mm floated backing	11	m2	800.00	8,800.00
<p>External Work Painting and Decorating</p>					
	Prepare and apply two coats of emulsion paint vinyl matt obtainable from Portland Paint & Products Nig. Ltd. On:			600.00	-
E	Wall including narrow widths	1,678	m2	800.00	1,342,400.00
F	Concrete fascia	153	m2	600.00	
G	Soffit fascia	153	m2	600.00	
H	Soffit slab	55	m ²	600.00	33,000.00
I	Isolated columns	691	m ²	600.00	414,600.00
J	Ditto gloss for skirting 1500mm	355	m ²	1,000.00	

Wall finishes on ground Floor carried to summary

3,367,200.00

FLOOR FINISHES

Supply and fix glazed ceramic tiles of approved colour bedded and jointed in cement and sand floated (measured separately) with and including pointing with matching cement mortar on:

A	Floor	696	m ²	3,000.00	2,088,000.00
B	100 x 8mm skirting	417	m	1,200.00	500,400.00
	<u>Beds and Backing</u> <u>cement and sand (1:3)</u>				
C	42mm paving trowelled smooth	695	m ²	800.00	556,000.00
	Unglazed ceramic tiles of approved colour bedded and jointed in cement and sand floated (measured separately) with and including pointing with matching cement mortar on:				-
D	Floor to toilets	22	m ²	3,000.00	66,000.00
	<u>Beds and Backing</u> <u>Cement and sand (1:3)</u>				
C	42mm paving towelled smooth	22	m ²	800.00	17,600.00

Floor finishes on Ground Floor carried to Summary

3,228,000.00

CEILING FINISHES

Painting and Decorating

Prepare and apply two coats of emulsion paint vinyl matt obtainable from Portland Paints & Products Nig. Ltd

A	Soffit of Slab	695	m2	600.00	417,000.00
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Ceiling finishes on Ground Floor carried to summary 417,000.00

MECHANICAL INSTALLATIONS

Plumbing Installations

A	"SWEET HOME" or other approved coloured vitreous china low level WC suite comprising pan with trap, plastic ring seat and cover, 9 litre cistern with original plastic fittings and chromium plated pull flushing handle, and flush pipe with screwed	7	Nr	45,000.00	315,000.00
B	"SWEET HOME" or other approved coloured vitreous china wash hand basin to BS1188 complete with double tap (pedestal)	6	Nr	25,000.00	150,000.00
C	Pilkington or other approved mirror size 450 x 450mm complete with clips and screws for mounting to wall	4	Nr	7,000.00	28,000.00

Mechanical Installation on Ground Floor carried to Summary 493,000.00

ELECTRICAL INSTALLATIONS

Fittings and Accessories

A	5A 1-gang- 1 way A&B Switch NR	32	Nr	2,200.00	70,400.00
B	13A 3-pin twin flush type white plastic switch A&B socket outlet NR18	18	Nr	2,200.00	39,600.00
C	15A 3-pin flush type AC switch A & B socket outlet	12	Nr	2,300.00	27,600.00
D	LED surface 18W modular ceiling fitting (AKT Brans)	86	Nr	2,100.00	180,600.00
E	ORL (executive) or other approved ceiling fan	33	Nr	2,100.00	69,300.00
F	18 ways Distribution Board, complete with stab blocks (ABB Brand)	2	Nr	2,100.00	4,200.00

Electrical Installation on Ground Floor carried to Summary

391,700.00

SUMMARY

DEMOLITION	123,200.00
DOORS AND WINDOWS	3,367,200.00
FITTINGS AND FIXTURES	3,228,000.00
WALL FINISHES	417,000.00
FLOOR FINISHES	493,000.00
CEILING FINISHES	391,700.00
MECHANICAL INSTALLATIONS	493,000.00
ELECTRICAL INSTALLATIONS	391,700.00

GROUND FLOOR
Carried to General Summary

8,904,800.00

FIRST FLOOR

DEMOLITION

GROUND FLOOR

A	Remove existing flush door size 750 x 2100mm and convey to Estate yard.	3	Nr	5,000.00	15,000.00
B	Ditto: Wooden panel size 1500 x 100mm	3	Nr	3,000.00	9,000.00
C	Wooden panel size 900 x 100mm	44	Nr	5,000.00	220,000.00
D	Remove existing damaged ceiling	48	m2	700.00	33,600.00
E	Remove existing PVC tile and cataway	695	m2	1,000.00	695,000.00
F	Remove existing damaged WC and wash basin	7	Nr	1,000.00	7,000.00

To Collection

979,600.00

DOORS AND WINDOWS

A	Supply and fix ready made flush door (home pride) size 750 x 2100mm complete with steel frame and	3	Nr	38,000.00	114,000.00
B	Fabricate and fix metal steel door using 50 x 25mm hollow black pipe and covered with chaka plate complete approved locks size 1500 x 2100mm shutter only.	3	Nr	32,000.00	96,000.00
C	Ditto size 900 x 2100mm	44	Nr	32,000.00	1,408,000.00

Door and window works on ground floor carried to summary

1,618,000.00

FITTINGS AND FIXTURES

A	Supply and fix 19mm plywood to selves size 800 x 400mm including polishing.	25	Nr	2,200.00	55,000.00
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Fittings and fixtures works on Ground floor carried to summary 55,000.00

WALL FINISHES

Internal Work

Painting and Decorating

Prepare and supply two coats of emulsion paint vinyl matt obtainable from Portland Paint & Products Nig. Ltd on:

A	Walls including narrow widths	2,559	m2	600.00	1,535,400.00
B	Polish on wooden wall	29	m2	600.00	17,400.00
Wall Tiling					
150 x 150 x 6mm white glazed ceramic cushioned edged wall tiles to BS1281 bedded in cement mortar on floated backing (measured separately and grouted in white cement)					
C	Walls in the toilet to height of 2100mm	11	m2	3,000.00	33,000.00
Cement and Sand					
D	12mm floated backing	11	m2	800.00	8,800.00
External Work					
Painting and Decorating					
Prepare and apply two coats of emulsion paint vinyl matt obtainable from Portland Paint & Products Nig. Ltd. On:					
E	Wall including narrow widths	1,678	m2	800.00	1,342,400.00
F	Concrete fascia	153	m2	600.00	91,800.00
G	Soffit fascia	153	m2	600.00	91,800.00
H	Soffit slab	55	m ²	600.00	33,000.00
I	Isolated columns	691	m ²	600.00	414,600.00
J	Ditto gloss for skirting 1500mm	355	m ²	1,000.00	355,000.00
Wall finishes on ground Floor carried to summary					3,923,200.00

FLOOR FINISHES

Supply and fix glazed ceramic tiles of approved colour bedded and jointed in cement and sand floated (measured separately) with and including pointing with matching cement mortar on:

A	Floor	696	m ²	3,000.00	2,088,000.00
B	100 x 8mm skirting	417	m	1,200.00	500,400.00
	<u>Beds and Backing</u> <u>cement and sand (1:3)</u>				
C	42mm paving trowelled smooth	695	m ²	800.00	556,000.00
	Unglazed ceramic tiles of approved colour bedded and jointed in cement and sand floated (measured separately) with and including pointing with matching cement mortar on:				
D	Floor to toilets	22	m ²	3,000.00	66,000.00
	<u>Beds and Backing</u> <u>Cement and sand (1:3)</u>				
C	42mm paving towelled smooth	22	m ²	800.00	17,600.00

Floor finishes on Ground Floor carried to Summary

3,228,000.00

CEILING FINISHES

Painting and Decorating

Prepare and apply two coats of emulsion paint vinyl matt obtainable from Portland Paints & Products Nig. Ltd

A	Soffit of Slab	695	m2	600.00	417,000.00
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Ceiling finishes on Ground Floor carried to summary	417,000.00
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MECHANICAL INSTALLATIONS

Plumbing Installations

A	"SWEET HOME" or other approved coloured vitreous china low level WC suite comprising pan with trap, plastic ring seat and cover, 9 litre cistern with original plastic fittings and chromium plated pull flushing handle, and flush pipe with screwed	7	Nr	45,000.00	315,000.00
B	"SWEET HOME" or other approved coloured vitreous china wash hand basin to BS1188 complete with double tap (pedestal)	6	Nr	25,000.00	150,000.00
C	Pilkington or other approved mirror size 450 x 450mm complete with clips and screws for mounting to wall	4	Nr	7,000.00	28,000.00
D	Allow a provisional sum of N100,000 for water reticulation to be expanded as directed		sum		100,000.00

Mechanical Installation on Ground Floor carried to Summary

593,000.00

ELECTRICAL INSTALLATIONS

Fittings and Accessories

A	5A 1-gang- 1 way A&B Switch NR	32	Nr	2,200.00	70,400.00
B	13A 3-pin twin flush type white plastic switch A&B socket outlet NR18	18	Nr	2,200.00	39,600.00
C	15A 3-pin flush type AC switch A & B socket outlet	12	Nr	2,300.00	27,600.00
D	LED surface 18W modular ceiling fitting (AKT Brans)	86	Nr	2,100.00	180,600.00
E	ORL (executive) or other approved ceiling fan	33	Nr	2,100.00	69,300.00
F	18 ways Distribution Board, complete with stab blocks (ABB Brand)	2	Nr	2,100.00	4,200.00
G	Allow provisional sum of N200,000 for works related to cabling & conducting to be expanded as directed		sum		200,000.00

Electrical Installation on Ground Floor carried to Summary

591,700.00

ROOF WORKS

A	Remove existing damaged roofing sheet and convey to Estate yard	1,012	m2	1,200.00	1,214,400.00
	Supply and fix QUEENSWAY 0.55 stucco longspan aluminium sheet and accessories in approved colour finished lapped and fixed in accordance with manufacturer's instructions to purlins (measured separately).				-
B	Roofing not exceeding 50 degrees from horizontal M2	1,012	m2	3,200.00	3,238,400.00
C	0.7m hip cap 700mm girth	105	m	1,900.00	199,500.00
D	Flashing on parapet walls 500mm girth	256	m	1,200.00	307,200.00
E	Ditto Flashing 600mm girth	146	m	1,200.00	175,200.00
	<u>Bitumen Felt Roofing</u>				
	Paralon TNT water proof material comprising underlay of impertene primer and top paralon TNT water-proofing with 100mm side and end lap bounded together with flame heat to the pre-treated concrete surface coated with aluminium paint.				
F	Roofing to falls and cross falls	439	m2	3,200.00	1,404,800.00

Roof works carried to Summary

6,539,500.00

SUMMARY

DEMOLITION	55,000.00
DOORS AND WINDOWS	3,923,200.00
FITTINGS AND FIXTURES	3,228,000.00
WALL FINISHES	417,000.00
FLOOR FINISHES	593,000.00
CEILING FINISHES	591,700.00
ROOF WORKS	6,539,500.00

FIRST FLOOR
Carried to General Summary

15,347,400.00

GENERAL SUMMARY (REHABILITATION OF CENTRE OF BIOTECHNOLOGY RESEARCH AND TRAINING)

Bill Nr 1 Preliminaries	2,910,264.00
Bill Nr 2 Ground Floor	8,904,800.00
Bill Nr 2 First Floor (including roof works)	15,347,400.00
SUBTOTAL	27,162,464.00
<u>Add</u> Contingencies	3,500,000.00
TOTAL	30,662,464.00
<u>Add</u> VAT 5%	1,533,123.20
SUM	32,195,587.20
<u>Add</u> Professional Fees (10% OF ACTUAL)	1,609,779.36
<u>REHABILITATION OF CENTRE FOR BIOTECHNOLOGY ESTIMATED TOTAL COST (ETC)</u>	33,805,366.56

Address : _____

Completion Period within ____ weeks of possession of site

Signature on behalf Tenderer _____ Date _____ 20

General Summary