

**ASSOCIATION OF FEDERAL GOVERNMENT COLLEGE ENUGU ALUMNI  
AMERICAS, INC.**  
(AFGCEAA) A 501(c)(3) NON PROFIT CORPORATION



# **SS3 CLASSROOM RENOVATION**

## **Project Objectives**

- The objective of this project is to remediate the asbestos roof in the SS3 classroom blocks and renovate the SS3 classrooms.
- Create a more conducive learning environment

## **Goals**

- Remove and replace the asbestos roofs and ceiling with long span aluminum roofs.
- Replace doors, windows, electrical system, flooring, and burglary proof with new durable ones.
- Repaint the classroom
- Renovate the toilet

## **Scope :**

### **The following tasks are within the scope of this project.**

- Demolition and removal of any existing features that need to be replaced.
- Safe removal and disposal of existing asbestos roof.
- Installation of new, long span aluminum roofing sheets on both classroom blocks.
- Installation of new metal doors, Aluminum Casement windows and steel window protectors.
- Replacement\Installation of classroom toilets along with all required piping.
- Installation of new electrical fixtures, fans, and lighting.
- Installation of new ceilings (PVC) and ceramic floor tiles.
- Wall finishing
- Painting of buildings
- Walkways
- Septic tank and Soakaway pit repair.

### **Total duration of entire project: 2 months (8 weeks).**

The Vendor shall provide written, photo and\or video proof of work completion during each stage of the project.

### **Technical Specifications (with Drawings)**

See

- Architecture Drawings
- Detailed Design Drawings
- Bill of Quantities

ITEM	DESCRIPTION	AMOUNT
	<p style="text-align: center;"><b>PROPOSED RENOVATION OF SS3 BLOCKS</b></p> <p style="text-align: center;"><b>BILL NR 1- LOGISTICS AND SITE WORKS</b></p> <p><b><u>Scaffolding and Plant</u></b>                      Allow for providing all scaffolding, needling, shoring, temporary enclosures to opening and old and new, and for hoists, tackle and other plant, profile, templates, centerings, and equipment generally required for the proper safe and efficient execution of the works and for all necessary labour in adapting and altering same to suit contract works and for taking same down and clearing away on completion of the works and making good all works disturbed</p> <p><b><u>Water</u></b>                      Provide the whole of the water required for the Works including that required by any Sub-Contractor or workmen of any kind authorised and on the site together with all requisite plumbing storage tanks, stand pipes etc and pay all fees and charges incurred.</p> <p><b><u>Health, Safety and Welfare</u></b>                      The Contractor is responsible for the safety, health and welfare of all workpeople employed upon the works and shall provide protection and amenities in accordance with applicable legislation The Contractor shall recognize and allow for all statutory and religious holidays and rites</p> <p><b><u>Progress Photographs</u></b>                      Allow for providing colour photographs, Six No. clear 50 x 100mm prints each per set taken from different positions on the site periodically as directed by the Architect Allow for complying digitally with this requirement.</p>	
	<b><u>PRELIMINARIES</u></b>	
	<b><u>Carried to general summary:</u></b>	-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p align="center"><b>PROPOSED RENOVATION OF SS3 BLOCK FOR ASSOCIATION OF FEDERAL GOVERNMENT COLLEGE ENUGU ALUMNI AMERICAS INC, [AFGCEAA] AT FEDERAL GOVERNMENT COLLEGE ENUGU, ENUGU STATE</b></p> <p align="center"><b>ELEMENT NR 01 DEMOLITION AND ALTERATIONS</b></p>				
A	Dismantle existing Zinc, Asbesto roofing sheet Complete with ceiling board, dispose debries and make good all works affected. Overall area of roof, approximately 400m2	Sum			
	<u>Remove all installed doors from position including all associated burglary proofing.</u>				
B	Door size: 900x2100mm high	4	Nr		-
C	Door size: 750x2100mm high	6	Nr		-
	<u>Remove all installed windows from position including all associated burglary proofing.</u>				
D	Window size: 1300x1200mm high	16	Nr		-
E	Window size: 1000x700mm high	3	Nr		-
	<b>Protection:</b> Protect all work in this element	Item			
	<p align="center"><b><u>DEMOLITION AND ALTERATIONS</u></b> <b><u>Carried to summary:</u></b></p>				-

<b>ELEMENT NR -02</b>					
<b>WALLS AND PARTITIONS</b>					
	<p><b>Generally</b> Refer to Contract Specifications</p>				
	<p><b><u>WALLS</u></b></p>				
	<p><b>Information</b> The Work in this section involves the erection of sandcrete and concrete walls, concrete lintels, etc and other associated works</p>				
	<p><b>Concrete Work as F100</b> <u>Plain vibrated in-situ concrete Grade 20 as F1100, F1400, F1800, in:</u></p>				
A	Lintels	0.4	M <sup>3</sup>		-
	<p><u>Formwork to produce fair faces as F1300, F1800, to:</u></p>				
B	Sides and soffit of lintels	18	M <sup>2</sup>		-
	<p><b>Reinforcement in walls:</b> <u>Steel bar reinforcements as F500, F1800 as before described:</u></p>				
C	12mm diameter bars in lintels	25	Kg		-
D	8mm diameter ditto	10	Kg		-
	<p><b>Blockwork:</b> <b>Blockwork as G100</b> <b>Internal walls:</b> <u>Sandcrete hollow blockwork as G101, G104, G105, as follows:</u></p>				
E	150mm thick internal walls	39	M <sup>2</sup>		-
	<p><b>Protection:</b> Protect all work in this element</p>				
		Item			
	<b><u>WALLS AND PARTITIONS</u></b>				
	<b><u>Carried to Summary:</u></b>				
					-

<b>ELEMENT NR- 03</b>					
<b>ROOFING AND WOOD WORK</b>					
<b>ROOF</b>					
<b>Information</b>					
The work in this section involves woodwork and all associated built-up roof coverings, etc					
<b>Treated hardwood with solignum:</b>					
A	75x100mm wall plate	121	M		-
B	50x100mm rafter	309	M		-
C	50x100mm ridge piece	60	M		-
D	50x100mm tie beam	277	M		-
E	50x100mm king post	69	M		-
F	50x100mm struts	366	M		-
G	50x100mm purlins	559	M		-
H	50x50mm noggins	710	M		-
<b>Coverings:</b>					
<b>Aluminum roofing sheet</b>					
0.55mm guage Aluminum roofing sheets laid to manufactures instruction:					
J	Sloping roof	470	M <sup>2</sup>		-
K	Ridge piece 600mm girth	60	M		-
L	Flashing 1000mm girth	120	M		-
<b>Protection:</b>					
Protect all work in this element					
<b><u>ROOFING AND WOODWORK</u></b>					
<b><u>Carried to summary:</u></b>					
					-

<b>ELEMENT NR- 04</b>				
<b>DOORS AND IRONMONGERY:</b>				
<b>Generally</b>				
Refer to Contract Specifications				
<b>DOORS</b>				
<b>Information</b>				
Refer to the Doors Schedule and any other location drawings for details				
<b>Woodwork as N100</b>				
<u>Solid-cored Flush &amp; panel doors as N107, as follows:</u>				
A	Door: single leaf, overall size 750x2100mm high	6	Nr	-
<b>IRONMONGERY as N110 (For timber doors)</b>				
B	2 set, 100mm solid drawn steel butt hinges	12	Nr	-
C	200mm bolt	6	Nr	-
<b>Steelwork as Q100</b>				
<b><u>Steel doors, as Q112</u></b>				
<u>Purpose made metallic pannelled door:</u>				
D	Double leaf, double swing pre-fabricated metal door: size 1300x2100mm high complete with ironmongerie	3	Nr	-
E	Single leaf, single swing pre-fabricated metal door: size 900x2100mm high complete with ironmongeries	1	Nr	-
Protection: Protect all work in this element		Item		
<b><u>DOORS AND IRONMONGERY</u></b>				
<b><u>Carried to summary:</u></b>				-

<b>ELEMENT NR- 05</b>				
<b>WINDOWS AND CURTAIN WALLS</b>				
<b>Generally</b>				
Refer to Contract Specifications				
<b>Information</b>				
Refer to the windows schedule and other location drawings for details				
<b>Aluminium work as Q100</b>				
<u>Aluminium windows and Curtain Walls as Q101, 102, as follows:</u>				
<b>Aluminum windows</b>				
Powder coated paint finish framed window with 2 no sliding pannels coupled as shown in profile and glazed with 4mm thick tinted glass including all necessary fittings and accessories:				
A	Window, overall size 1300x1200mm high	16	Nr	-
B	Window, overall size 1000x700mm high	3	Nr	-
<b>Metal work:</b>				
<b>Burglar proofing:</b>				
<u>Prefabricated mild steel burglary proofing as designed including providing all necessary allowances for openings, painting with anti-oxide paint and built into block-work or concrete surround to suit openings:</u>				
C	Window, overall size 1300x1200mm high	16	Nr	-
D	Window, overall size 1000x700mm high	3	Nr	-
Protection: Protect all work in this element		Item		
<b><u>WINDOWS AND CURTAIN WALLS</u></b>				
<b><u>Carried to summary:</u></b>				
				-



<b>ELEMENT NR -06</b>				
<b>PLUMBING &amp; MECHANICAL INSTALLATION:</b>				
<b>SANITARY AND OTHER APPLIANCES</b>				
A	Twyford Water closet, Close Coupled horizontal outlet WC Pan Closed coupled Cistern and fittings, BSIO 6litres with right hand lever flush. Seat and Cover - Pan connector P-trap wall masking plate and other accessories.Top flush type.	6	Nr	-
<b>WASH BASIN</b>				
B	Twyford Wall mounted wash hand basin 600x460 with one centre tap hole Pedestal including fixing Chrome plated Aquations Chrome plated Aquations Premiere single lever basin monobloc mixer tap with pop-up waste. -Wall Supports Mixer: Shanks England	6	Nr	-
<b>TOILET &amp; BATHROOM ACCESSORIES</b>				
<b>TYWFORD</b>				
C	Toilet Roll Holder (ANTI-THEFT)	6	Nr	-
D	Wall Mirror	6	Nr	-
E	Floor drain 50mm	6	Nr	-
<b>PIPE WORK (provisional):</b>				
F	Allow the provisional sum of #120,000 (One hundred & twenty thousand naira) for all pipe work, cold water disbribution, sanitary pipe.	Sum		
<b>Sundries:</b>				
G	Allow for testing of all plumbing installation	Item		
H	Allow for making the position of holes,mortice, chases and the like to sanitary installation	Item		
<b>Protection:</b>				
	Protect all work in this element	Item		
<b><u>PLUMBING/MECHANICAL INSTALLATION</u></b>				
<b><u>Carried to summary:</u></b>				
				-

<p style="text-align: center;"><b>ELEMENT NR -07</b>  <b>ELECTRICAL INSTALLATION</b>  <b>[ALL PROVISIONAL]</b></p>				
<p style="text-align: center;"><b>DISTRIBUTION EQUIPMENT &amp; SWITCHGEAR</b>  <b>DISTRIBUTION BOARDS</b></p>				
<p><u>Supply and installation of distribution equipment complete with all protection accessories and installation materials.</u></p>				
A	8-way single phase TPN MCB type distribution board complete with 100A TPN Isolator switch incomer.	1	Nr	-
B	Allow a provisional sum for incoming cables electricity authority (PHCN) charges and connection fees.	Sum		
<p><b>CABLES</b>  <b>SUB-MAINS CABLE</b></p>				
<p><u>Supply installation, testing and commissioning of all copper cables for power distribution.</u></p>				
C	2.5mmsq. 3C PVC/PVC Cu flex cable	449	M	-
D	20mm UPVC as pipe sleeve	449	M	-
<p><b>FITTINGS AND ACCESSORIES.</b></p>				
<p><u>Supply, and setting to work of all the following fittings and accessories.</u></p>				
<p><b>SWITCHES.</b></p>				
<p>White moulded plastic type.</p>				
E	10A 1-gang 1-way.	3	Nr	-
F	10A 3-gang 1-way.	4	Nr	-
<p><b>SOCKETS.</b></p>				
<p>White moulded plastic type.</p>				
G	13A SP 2-gang SSO.	6	Nr	-
H	5A Ceiling fan regulator	3	Nr	-
<p><b>LIGHTING FITTINGS</b></p>				
J	2 x 60 Watt bare batten luminaire for T8 lamps	10	Nr	-
K	1 x 60 Watt bare batten luminaire for T8 lamps	2	Nr	-
L	144mm sweep ceiling fan	3	Nr	-
<b><u>Carried to collection:</u></b>				-
				-

	<p><b>CONDUITING &amp; WIRING CABLE</b>  <u>Supply, installation of all conduiting materials and accessories and wiring cables for all the final subcircuit observing all the wiring installation regulation and colour code etc distribution network wire ways.</u></p> <p><b>LIGHTING</b></p> <p>A 3 x 1.5mmsq. SC PVC cable in 20 PVC conduit pipe for lighting points</p> <p>B 5A, 15A SWITCH SOCKET OUTLET          3 x 4mmsq. SC PVC cable in 20 PVC conduit pipe for 10A SSO points</p> <p>Protection:          Protect all work in this element</p> <p style="text-align: right;"><b><u>Carried to collection:</u></b></p> <p style="text-align: center;"><b>COLLECTIONS</b></p> <p style="text-align: center;"><b>PAGE 07</b></p> <p style="text-align: center;"><b>PAGE 08</b></p> <p style="text-align: center;"><b><u>ELECTRICAL INSTALLATION</u></b>  <b><u>Carried to summary:</u></b></p>	<p>8</p> <p>6</p> <p>Item</p>	<p>Nr</p> <p>Nr</p>	<p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p>
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<b>ELEMENT NR -08 FLOOR FINISHING</b>				
	<p><b>Generally</b> Refer to Contract Specifications</p> <p><b>Floor Finishings, as T100</b> <b>Internal works:</b> Tiles, Slab and Block Floor Finishings, as T300:</p>			
A	300 x 300 x 8mm Thick fully vitrified ceramic floor tiles, as T304, internally	254	M <sup>2</sup>	-
	<p><b>Beds and backings as T700</b></p>			
B	12mm Thick screeded bed to floors to receive ceramic floor tiles	254	M <sup>2</sup>	-
	<p>Protection: Protect all work in this element</p>		Item	
<b><u>FLOOR FINISHING</u></b>				
<b><u>Carried to summary:</u></b>				-

<b>ELEMENT NR- 09</b>				
<b>WALL FINISHING:</b>				
	<b>Generally</b> Refer to Contract Specifications			
	<b><u>Wall finishings as T100</u></b> <u>Rendering as T205, T210</u>			
	<b>Internal work:</b> <u>12 mm thick cement and sand (1:3) rendering on:</u>			
A	Rendered walls	77	M <sup>2</sup>	-
B	Wall reveals not exceeding 100mm wide	90	M	-
	<b><u>Tiles,Slab and Block Wall Finishings as T300</u></b>			
C	300 x 300 x 6mm Thick approved glazed ceramic tiles to walls, internally, as T304	79	M <sup>2</sup>	-
	<b><u>Beds and backings as T700</u></b>			
D	12mm thick to walls to receive glazed ceramic wall tiles	79	M <sup>2</sup>	-
	<b>External work:</b> <b>Insitu finishings:</b> <u>12 mm thick cement and sand (1:3) rendering on:</u>			
E	Reveals not exceeding 250mm wide	90	M	-
	<b>Protection:</b> Protect all work in this element	Item		
	<b><u>WALL FINISHING</u></b> <b><u>Carried to summary:</u></b>			-

<b>ELEMENT NR- 10 CEILING FINISHING:</b>					
	<b>Generally</b> Refer to Contract Specifications				
	<b>Internal work:</b> <u>Suspended Ceiling as T400, T402</u>				
A	Suspended ceiling, internally	254	M <sup>2</sup>		-
	<b>External work:</b> <u>Suspended Ceiling as T400, T402</u>				
B	Suspended ceiling, externally	66	M <sup>2</sup>		-
	<b>Protection:</b> Protect all works in this element				
		Item			
<b><u>CEILING FINISHING</u></b>					
<b><u>Carried to summary:</u></b>					-

<b>ELEMENT NR- 11</b>				
<b>PAINTING AND DECORATION:</b>				
<b>Generally</b>				
Refer to Contract Specifications				
<b>Information</b>				
The Work in this section involves painting and decorating on new work				
<b>Internal work:</b>				
<b><u>Painting as V100</u></b>				
<u>Two coats emulsion paint as V101, V104 including screeding on:</u>				
A	Rendered walls	363	M <sup>2</sup>	-
B	Wall reveals not exceeding 100mm wide	90	M	-
<b>External works:</b>				
<b><u>Textured paint as V101, V104:</u></b>				
D	Rendered walls and the like externally	249	M <sup>2</sup>	-
E	Reveals not exceeding 250mm wide	90	M	-
<b>Protection:</b>				
Protect all works in this element				
			Item	
<b><u>PAINTING AND DECORATION</u></b>				
<b><u>Carried to summary:</u></b>				
				-

ITEM	SUMMARY	AMOUNT
A	DEMOLITION AND ALTERATION	-
B	BLOCKWORK & PARTITIONS	-
C	ROOFING AND WOOD TRUSSESS	-
D	DOORS INSTALLATION	-
E	WINDOWS INSTALLATION	-
F	PLUMBING & MECHANICAL INSTALLATION	-
G	ELECTRICAL INSTALLATION	-
H	FLOOR FINISHING	-
J	WALL FINISHING	-
K	CEILING FINISHING	-
L	PAINTING AND DECORATION	-
<b><u>PROPOSED RENOVATION OF SS 3 BLOCK (A)</u></b>		
<b><u>Carried to general summary:</u></b>		-



ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p align="center"><b>PROPOSED RENOVATION OF SS3 BLOCK FOR ASSOCIATION OF FEDERAL GOVERNMENT COLLEGE ENUGU ALUMNI AMERICAS INC, [AFGCEAA] AT FEDERAL GOVERNMENT COLLEGE ENUGU, ENUGU STATE</b></p> <p align="center"><b>ELEMENT NR 01 DEMOLITION AND ALTERATIONS</b></p>				
A	Dismantle existing Zinc, Asbesto roofing sheet Complete with ceiling board, dispose debries and make good all works affected. Overall area of roof, approximately 400m2	Sum			
	<u>Remove all installed doors from position including all associated burglary proofing.</u>				
B	Door size: 900x2100mm high	4	Nr		-
C	Door size: 750x2100mm high	6	Nr		-
	<u>Remove all installed windows from position including all associated burglary proofing.</u>				
D	Window size: 1300x1200mm high	16	Nr		-
E	Window size: 1000x700mm high	3	Nr		-
	<b>Protection:</b> Protect all work in this element	Item			
	<p align="center"><b><u>DEMOLITION AND ALTERATIONS</u></b> <b><u>Carried to summary:</u></b></p>				-

<b>ELEMENT NR -02</b>				
<b>WALLS AND PARTITIONS</b>				
	<p><b>Generally</b> Refer to Contract Specifications</p>			
	<p><b><u>WALLS</u></b></p>			
	<p><b>Information</b> The Work in this section involves the erection of sandcrete and concrete walls, concrete lintels, etc and other associated works</p>			
	<p><b>Concrete Work as F100</b> <u>Plain vibrated in-situ concrete Grade 20 as F1100, F1400, F1800, in:</u></p>			
A	Lintels	0.4	M <sup>3</sup>	-
	<p><u>Formwork to produce fair faces as F1300, F1800, to:</u></p>			
B	Sides and soffit of lintels	18	M <sup>2</sup>	-
	<p><b>Reinforcement in walls:</b> <u>Steel bar reinforcements as F500, F1800 as before described:</u></p>			
C	12mm diameter bars in lintels	25	Kg	-
D	8mm diameter ditto	10	Kg	-
	<p><b>Blockwork:</b> <b>Blockwork as G100</b> <b>Internal walls:</b> <u>Sandcrete hollow blockwork as G101, G104, G105, as follows:</u></p>			
E	150mm thick internal walls	39	M <sup>2</sup>	-
	<p><b>Protection:</b> Protect all work in this element</p>			
		Item		
	<b><u>WALLS AND PARTITIONS</u></b>			
	<b><u>Carried to Summary:</u></b>			
				-

<b>ELEMENT NR- 03</b>					
<b>ROOFING AND WOOD WORK</b>					
<b>ROOF</b>					
<b>Information</b>					
The work in this section involves woodwork and all associated built-up roof coverings, etc					
<b>Treated hardwood with solignum:</b>					
A	75x100mm wall plate	121	M		-
B	50x100mm rafter	309	M		-
C	50x100mm ridge piece	60	M		-
D	50x100mm tie beam	277	M		-
E	50x100mm king post	69	M		-
F	50x100mm struts	366	M		-
G	50x100mm purlins	559	M		-
H	50x50mm noggins	710	M		-
<b>Coverings:</b>					
<b>Aluminum roofing sheet</b>					
0.55mm guage Aluminum roofing sheets laid to manufactures instruction:					
J	Sloping roof	470	M <sup>2</sup>		-
K	Ridge piece 600mm girth	60	M		-
L	Flashing 1000mm girth	120	M		-
<b>Protection:</b>					
Protect all work in this element					
<b><u>ROOFING AND WOODWORK</u></b>					
<b><u>Carried to summary:</u></b>					
					-

<b>ELEMENT NR- 04</b>				
<b>DOORS AND IRONMONGERY:</b>				
<b>Generally</b>				
Refer to Contract Specifications				
<b>DOORS</b>				
<b>Information</b>				
Refer to the Doors Schedule and any other location drawings for details				
<b>Woodwork as N100</b>				
<u>Solid-cored Flush &amp; panel doors as N107, as follows:</u>				
A	Door: single leaf, overall size 750x2100mm high	6	Nr	-
<b>IRONMONGERY as N110 (For timber doors)</b>				
B	2 set, 100mm solid drawn steel butt hinges	12	Nr	-
C	200mm bolt	6	Nr	-
<b>Steelwork as Q100</b>				
<b><u>Steel doors, as Q112</u></b>				
<u>Purpose made metallic pannelled door:</u>				
D	Double leaf, double swing pre-fabricated metal door: size 1300x2100mm high complete with ironmongerie	3	Nr	-
E	Single leaf, single swing pre-fabricated metal door: size 900x2100mm high complete with ironmongeries	1	Nr	-
Protection:				
Protect all work in this element				
		Item		
<b><u>DOORS AND IRONMONGERY</u></b>				
<b><u>Carried to summary:</u></b>				
				-

<b>ELEMENT NR- 05</b>				
<b>WINDOWS AND CURTAIN WALLS</b>				
<b>Generally</b>				
Refer to Contract Specifications				
<b>Information</b>				
Refer to the windows schedule and other location drawings for details				
<b>Aluminium work as Q100</b>				
<u>Aluminium windows and Curtain Walls as Q101, 102, as follows:</u>				
<b>Aluminum windows</b>				
Powder coated paint finish framed window with 2 no sliding pannels coupled as shown in profile and glazed with 4mm thick tinted glass including all necessary fittings and accessories:				
A	Window, overall size 1300x1200mm high	16	Nr	-
B	Window, overall size 1000x700mm high	3	Nr	-
<b>Metal work:</b>				
<b>Burglar proofing:</b>				
<u>Prefabricated mild steel burglary proofing as designed including providing all necessary allowances for openings, painting with anti-oxide paint and built into block-work or concrete surround to suit openings:</u>				
C	Window, overall size 1300x1200mm high	16	Nr	-
D	Window, overall size 1000x700mm high	3	Nr	-
	Protection: Protect all work in this element		Item	
<b><u>WINDOWS AND CURTAIN WALLS</u></b>				
<b><u>Carried to summary:</u></b>				
				-

<b>ELEMENT NR -06</b>				
<b>PLUMBING &amp; MECHANICAL INSTALLATION:</b>				
<b>SANITARY AND OTHER APPLIANCES</b>				
A	Twyford Water closet, Close Coupled horizontal outlet WC Pan Closed coupled Cistern and fittings, BSIO 6litres with right hand lever flush. Seat and Cover - Pan connector P-trap wall masking plate and other accessories.Top flush type.	6	Nr	-
<b>WASH BASIN</b>				
B	Twyford Wall mounted wash hand basin 600x460 with one centre tap hole Pedestal including fixing Chrome plated Aquations Chrome plated Aquations Premiere single lever basin monobloc mixer tap with pop-up waste. -Wall Supports Mixer: Shanks England	6	Nr	-
<b>TOILET &amp; BATHROOM ACCESSORIES</b>				
<b>TYWFORD</b>				
C	Toilet Roll Holder (ANTI-THEFT)	6	Nr	-
D	Wall Mirror	6	Nr	-
E	Floor drain 50mm	6	Nr	-
<b>PIPE WORK (provisional):</b>				
F	Allow the provisional sum of #120,000 (One hundred & twenty thousand naira) for all pipe work, cold water disbribution, sanitary pipe.	Sum		
<b>Sundries:</b>				
G	Allow for testing of all plumbing installation	Item		
H	Allow for making the position of holes,mortice, chases and the like to sanitary installation	Item		
<b>Protection:</b>				
	Protect all work in this element	Item		
<b><u>PLUMBING/MECHANICAL INSTALLATION</u></b>				
<b><u>Carried to summary:</u></b>				
				-

<b>ELEMENT NR -07</b>				
<b>ELECTRICAL INSTALLATION</b>				
<b>[ALL PROVISIONAL]</b>				
<b>DISTRIBUTION EQUIPMENT &amp; SWITCHGEAR</b>				
<b>DISTRIBUTION BOARDS</b>				
<u>Supply and installation of distribution equipment complete with all protection accessories and installation materials.</u>				
A	8-way single phase TPN MCB type distribution board complete with 100A TPN Isolator switch incomer.	1	Nr	-
B	Allow a provisional sum for incoming cables electricity authority (PHCN) charges and connection fees.	Sum		
<b>CABLES</b>				
<b>SUB-MAINS CABLE</b>				
<u>Supply installation, testing and commissioning of all copper cables for power distribution.</u>				
C	2.5mmsq. 3C PVC/PVC Cu flex cable	449	M	-
D	20mm UPVC as pipe sleeve	449	M	-
<b>FITTINGS AND ACCESSORIES.</b>				
<u>Supply, and setting to work of all the following fittings and accessories.</u>				
<b>SWITCHES.</b>				
White moulded plastic type.				
E	10A 1-gang 1-way.	3	Nr	-
F	10A 3-gang 1-way.	4	Nr	-
<b>SOCKETS.</b>				
White moulded plastic type.				
G	13A SP 2-gang SSO.	6	Nr	-
H	5A Ceiling fan regulator	3	Nr	-
<b>LIGHTING FITTINGS</b>				
J	2 x 60 Watt bare batten luminaire for T8 lamps	10	Nr	-
K	1 x 60 Watt bare batten luminaire for T8 lamps	2	Nr	-
L	144mm sweep ceiling fan	3	Nr	-
<b><u>Carried to collection:</u></b>				-
				-

	<p><b>CONDUITING &amp; WIRING CABLE</b>  <u>Supply, installation of all conduiting materials and accessories and wiring cables for all the final subcircuit observing all the wiring installation regulation and colour code etc distribution network wire ways.</u>  <b>LIGHTING</b>                  A 3 x 1.5mmsq. SC PVC cable in 20 PVC conduit pipe for lighting points</p> <p>B 5A, 15A SWITCH SOCKET OUTLET                  3 x 4mmsq. SC PVC cable in 20 PVC conduit pipe for 10A SSO points</p> <p>Protection:                  Protect all work in this element</p> <p style="text-align: right;"><b><u>Carried to collection:</u></b></p> <p style="text-align: center;"><b>COLLECTIONS</b></p> <p style="text-align: center;"><b>PAGE 07</b></p> <p style="text-align: center;"><b>PAGE 08</b></p> <p style="text-align: right;"><b><u>ELECTRICAL INSTALLATION</u></b>  <b><u>Carried to summary:</u></b></p>	<p>8</p> <p>6</p> <p>Item</p>	<p>Nr</p> <p>Nr</p>	<p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p>
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<b>ELEMENT NR -08 FLOOR FINISHING</b>				
	<p><b>Generally</b> Refer to Contract Specifications</p> <p><b>Floor Finishings, as T100</b> <b>Internal works:</b> Tiles, Slab and Block Floor Finishings, as T300:</p>			
A	300 x 300 x 8mm Thick fully vitrified ceramic floor tiles, as T304, internally	254	M <sup>2</sup>	-
	<p><b>Beds and backings as T700</b></p>			
B	12mm Thick screeded bed to floors to receive ceramic floor tiles	254	M <sup>2</sup>	-
	<p>Protection: Protect all work in this element</p>		Item	
<b><u>FLOOR FINISHING</u></b>				
<b><u>Carried to summary:</u></b>				-

<b>ELEMENT NR- 09</b>				
<b>WALL FINISHING:</b>				
<b>Generally</b>				
Refer to Contract Specifications				
<b><u>Wall finishings as T100</u></b>				
<u>Rendering as T205, T210</u>				
<b>Internal work:</b>				
<u>12 mm thick cement and sand (1:3) rendering on:</u>				
A	Rendered walls	77	M <sup>2</sup>	-
B	Wall reveals not exceeding 100mm wide	90	M	-
<b><u>Tiles,Slab and Block Wall Finishings as T300</u></b>				
C	300 x 300 x 6mm Thick approved glazed ceramic tiles to walls, internally, as T304	79	M <sup>2</sup>	-
<b><u>Beds and backings as T700</u></b>				
D	12mm thick to walls to receive glazed ceramic wall tiles	79	M <sup>2</sup>	-
<b>External work:</b>				
<b>Insitu finishings:</b>				
<u>12 mm thick cement and sand (1:3) rendering on:</u>				
E	Reveals not exceeding 250mm wide	90	M	-
<b>Protection:</b>				
	Protect all work in this element		Item	
<b><u>WALL FINISHING</u></b>				
<b><u>Carried to summary:</u></b>				
				-

<b>ELEMENT NR- 10 CEILING FINISHING:</b>					
	<b>Generally</b> Refer to Contract Specifications				
	<b>Internal work:</b> <u>Suspended Ceiling as T400, T402</u>				
A	Suspended ceiling, internally	254	M <sup>2</sup>		-
	<b>External work:</b> <u>Suspended Ceiling as T400, T402</u>				
B	Suspended ceiling, externally	66	M <sup>2</sup>		-
	<b>Protection:</b> Protect all works in this element				
		Item			
<u><b>CEILING FINISHING</b></u> <u><b>Carried to summary:</b></u>					-

<b>ELEMENT NR- 11</b>				
<b>PAINTING AND DECORATION:</b>				
<b>Generally</b>				
Refer to Contract Specifications				
<b>Information</b>				
The Work in this section involves painting and decorating on new work				
<b>Internal work:</b>				
<b><u>Painting as V100</u></b>				
<u>Two coats emulsion paint as V101, V104 including screeding on:</u>				
A	Rendered walls	363	M <sup>2</sup>	-
B	Wall reveals not exceeding 100mm wide	90	M	-
<b>External works:</b>				
<b><u>Textured paint as V101, V104:</u></b>				
D	Rendered walls and the like externally	249	M <sup>2</sup>	-
E	Reveals not exceeding 250mm wide	90	M	-
<b>Protection:</b>				
Protect all works in this element				
			Item	
<b><u>PAINTING AND DECORATION</u></b>				
<b><u>Carried to summary:</u></b>				
				-

ITEM	SUMMARY	AMOUNT
A	DEMOLITION AND ALTERATION	-
B	BLOCKWORK & PARTITIONS	-
C	ROOFING AND WOOD TRUSSESS	-
D	DOORS INSTALLATION	-
E	WINDOWS INSTALLATION	-
F	PLUMBING & MECHANICAL INSTALLATION	-
G	ELECTRICAL INSTALLATION	-
H	FLOOR FINISHING	-
J	WALL FINISHING	-
K	CEILING FINISHING	-
L	PAINTING AND DECORATION	-
<b><u>PROPOSED RENOVATION OF SS 3 BLOCK (B)</u></b>		
<b><u>Carried to general summary:</u></b>		-

<b>EXTERNAL WORKS AND SERVICES</b>					
<b>WALK WAYS</b>					
<b>Precast Concrete Tiles</b>					
A	50mm Thick concrete tiles to walkway bed	374	M <sup>2</sup>		-
<b>Beds and backings as T700</b>					
B	50mm Thick screeded bed to floors to receive concrete tiles	374	M <sup>2</sup>		-
<b>Manhole: (provisional)</b>					
C	Allow a provisional sum for serving & bringing to function existing manholes/chambers : Size 460x460 x 460 deep complete (6 nr)			Sum	
<b>Soakaway/Septic tank:</b>					
D	Allow a provisional sum for serving & bringing to function existing Soak away pit: size 3000 x 3000 x 2500mm deep complete			Sum	
<b>Protection:</b>					
	Protect all works in this element			Item	
<b><u>EXTERNAL WORKS AND SERVICES</u></b>					
<b><u>Carried to summary:</u></b>					
					-

ITEM	SUMMARY	AMOUNT
A	SS 3 BLOCK "A"	-
B	SS 3 BLOCK "B"	-
C	EXTERNAL WORKS & SERVICES	-
<b>BILL NR 2</b> <b>PROPOSED RENOVATION OF SS 3 BLOCK (A &amp; B)</b>		
<u>Carried to general summary:</u>		-

ITEM	GENERAL SUMMARY	AMOUNT
A	BILL NR 1- PRELIMINARIES	-
B	BILL NR 2- PROPOSED RENOVATION OF SS 3 BLOCKS (A & B)	-
<u>AMOUNT OF ESTIMATE</u> <u>CARRIED TO FORM OF TENDER:</u>		-
COMPLETION DATE..... SIGNED FOR AND ON BEHALF OF..... ..... ..... ..... ..... DATED THIS.....DAY OF.....2016		