Item	Description	Qty	Unit	Rate	Total GH¢
	BILL NO. 1 **3-UNIT CLASSROOM BLOCK AT ZOMAYI WITH 4 N0.W/C SEATER TOILET** **SUBSTRUCTURE** (The Contractor is free to price for additional items under Preliminaries not included in the List below) **A: GENERAL CONDITIONS** **EMPLOYER'S REQUIREMENTS**				
A	On-site Administration	1	Item		-
B	Site Meeting and Monitoring of the works	1	Item		-
C	Progress Photographs	1	Item		-
D	Provide adequate security at site	1	Item		-
E	Project Drawing	1	Item		
F	Insuarances of works	1	Item		-
G	Performance Security	1	Item		-
H	Testing of materials	1	Item		-
	ACCURACY/SETTING OUT GENERALLY				
J	Setting out of the works	1	Item		
	Facility/Temporary work/Services				
K	Name or sign board	1	Item		
L	Telephone/Facsimile facilities	1	Item		-
	A40 Contractor's General Cost Items: Management and Staff				
M	Provide for general and trade supervision	1	Item		-
	A41 Contractor's General Cost Items: Site Accommodation				
N	Site accommodation for workers	1	Item		
	PRELIMINARIES/GENERAL CONDITIONS CARRIED FORWARD	GH¢			

Item	Description	Qty	Unit	Rate	Total GH¢
	BROUGHT FORWARD				-
	A42 Contractor's General Cost Items: Services and facilities				
A	Power for works	1	Item		-
B	Lighting	1	Item		-
C	Water for works	1	Item		-
D	Health and safety protectives	1	Item		-
E	Storage of materials	1	Item		-
F	Clearing and disposal of general waste after construction	1	Item		-
G	Protection of work in all sections	1	Item		-
H	EPA Certification	1	Item		-
J	Fire Permit	1	Item		-
K	Small plants and tools	1	Item		-
	A43 Contractor's General Cost Items: Mechanical plant				
L	Personnel transport	1	Item		-
M	Concrete plant	1	Item		-
	A44 Contractor's General Cost Items: Temporary Works				
N	Support scaffolding and propping	1	Item		-
	A53 Work by Statutory Authorities				
P	Work by Statutory Authorities	1	Item		-
	BILL NO. 1				
	GENERAL ITEMS (PRELIMINARIES)				
	Carried to General Summay				-

Item	Description	Qty	Unit	Rate	Total GH¢
	BILL NO. 2				
	3-UNIT CLASSROOM BLOCK AT MEPE PRESBY				
	SUBSTRUCTURE				
	D10 EARTH WORKS				
	Site Preparation				
A	Clear Site of all bush and undergrowth and dispose from si	380	m^2		-
B	Cut off trees girth 0.60m ≤ 1.50mm girth	2	No.		-
C	Cut off trees girth exceeding 1.50m girth	3	No.		-
	Excavation and Earthworks				
D	Excavate oversite to remove topsoil average 150mm deep	200	m^2		-
E	Excavate trench not exceeding 1.50 metres deep commencing 150mm below ground level	58	m^3		-
F	Excavate pit not exceeding 1.5 metres deep ditto	28	m^3		-
G	Extra over all kinds of excavation for excavating in rock	3	m^3		-
H	Return, fill in and well ram selected excavated material around foundation	65	m^3		-
J	Remove surplus excavated material from site	30	m^3		-
	Hardcore as described, spread, levelled and well rammed and consolidated				
K	Filling in layers not exceeding 225mm thick in making up levels under floors	200	m^3		-
	E10: IN-SITU CONCRETE				
	Plain in-situ concrete (1:4:8-20mm aggregate) in;				
L	50mm thick blinding	1	m^3		-
	Plain in-situ concrete (1:4:8-20mm aggregate) in;				
M	Foundation	10	m^3		-
M	Step and Ramp	1	m^3		-
P	150mm thick floor bed spread and leveled	15	m^3	-	-
	C/F				-

Item	Description	Qty	Unit	Rate	Total GH¢
	B/F				-
	Reinforced in-situ vibrated concrete (1:2:4-20mm aggregate) as described filled into formwork and packed around reinforcement (both measured separately)				
A	Column base	7	m^3		-
B	Column	2	m^3	-	-
C	Ground beam	5	m^3	-	-
	E30: REINFORCEMENT FOR IN-SITU CONCRETE Supply and fix as described the following mild steel round bar reinforcement with and including all necessary binding wire: Colmn Bases				
D	12mm diameter bars in column base	366	Kg.		-
	Column				
E	16mm diameter bars in column	354	Kg.		-
F	10mm diameter bars as stirrups	70	Kg.	-	-
	Ground beam				
G	12mm diameter bars in column	440	Kg.	-	-
H	10mm diameter bars as links	96	Kg.	-	-
	BRC Mesh Reinforcement; BS 4483, hard drawn plain round steel, welded				
J	Steel fabric reinforcement Ref. No. A142 and fixing in bed with 200mm minimum side and end laps (measured net - no allowance made for laps)	270	m^2		-
	E20:FORMWORK FOR IN-SITU CONCRETE Sawn formwork as described to:				
K	Vertical side of column	34	m^2		-
L	Sides of horizontal beam	94	m^2		-
M	Vertical side of step	1	m^2	-	-
N	Edge of bed 150mm wide	76	m		-
P	Edge of riser 150mm wide	24	m		-
	C/F				-

Item	Description	Qty	Unit	Rate	Total GH¢
	B/F				-
	F10:BRICK/BLOCK WALLING **Sandcrate,lightweight aggregate blocks, 450mm x 225mm,solid; compresive strength 2.5N/mm2 in cement mortar (1:4)**				
A	150mm thick wall	180	m^2		-
	M20:PLASTERING/RENDERED/ROUGHCAST COATINGS **Mortar,cement and sand (1:4);steel trowelled**				
B	12mm Cement and sand render to wall	70	m^2		-
	M60:PAINTING/CLEAR FINISHING **Prepare and apply three coats of Acrylic emulsion paint on:**				
C	Prepare and apply three coats of emulsion paint on rendered wall	70	m^2		-
	Surface Treatment				
D	Treat all surfaces of excavation and filling with anti - termite treatment before laying concrete (Dieldrex anti-termite treatment to foundations)	1	Item		-
	J20: WATER PROOFING **J31: Transparent polythene sheet**				
E	Transparent polythene sheet; to soffit of concrete slab	270	m²		0.00
F	Allow a provisional sum of **(GH₵ 1000.00)** for any additional works that may arise from earth works.	1	Item		0.00
	Allow the provisional sum of **GH₵ 120,000.00** For 4 No.Seater W/C		sum		0.00
	SUBSTRUCTURE Carried to Summary				-
	SUPERSTRUCTURE				
	CONCRETE Reinforced in-situ vibrated concrete (1:2:4-20mm aggregate) as described filled into formwork and around reinforcement (both measured separately)				
A	Horizontal beam	5	m^3	-	-
B	Column	4	m^3	-	-
	CONCRETRE				

Item	Description	Qty	Unit	Rate	Total GH¢
	Mild steel round bar reinforcement to BS4449 in:				
	Supply and fix as described the following mild steel round bar reinforcement with and including all necessary binding wire				
	Column				
C	Straight or bent,16mm diameter	707	kg	-	-
D	Links,10mm diameter	138	kg	-	-
	Beam				
E	Straight or bent,16mm diameter	897	kg	-	-
F	Links,10mm diameter	287	kg	-	-

Item	Description	Qty	Unit	Rate	Total GH¢
	E20:FORMWORK FOR IN-SITU CONCRETE				
	Sawn Formwork to:				
G	Column	89	m^2	-	-
H	Beam	72	m^2	-	-
	CONCRETE WORK				
	Carried to Summary				-
	MASONRY				
	125mm,solid; compresive strength 2.5N/mm2 in cement mortar (1:4)				
J	125mm Wall	389	m^2		-
K	75mm thick honey comb wall	2	m^2		-
	BLOCKWORK				
	Carried to Summary				-

Item	Description	Qty	Unit	Rate	Total GH¢
	CLADDING/COVERING				
	H72: ALUMINIUM SHEET COVERING/FLASHINGS				
	Raincoat or equally approved Longspan aluminium, corrugated sheets; pre-painted; standard profile; 0.50mm gauge, two corrugations side laps, 150mm end laps; bedded with mastic sealing strips				
A	Roofing coverings; fixing to timber purlins at 1050mm general spacing with galvanised drive screws, nuts, washers, caps; drilling holes; pitch 45 degrees	404	m^2		-
B	Preformed Ridge Capping; preformed, 600mm girth; 150mm lapped joints; fixing to timber with galvanised drive screws, nuts, washers and caps	32	m		-
C	Preformed hip-cap; preformed, 600mm girth; 150mm lapped joints; fixing to timber with galvanised drive screws, nuts, washers and caps	30	m		-
D	150mm side trim fixed to facia boards	79	m	-	-
E	150mm preformed Gutter ,600mm girth with drop outs	79	m	-	-
	COVERING				
	Carried to Summary				-
	STRUCTURAL/CARCASSING METAL/TIMBER				
	G20: CARPENTRY/TIMBER FRAMING/FIRST FIXING				
	Hardwood; treated with preservative; sawn				
F	50 x 150mm Ridge Board	30	m		-
G	50 x 150mm Hip and Jack Rafters	66	m		-
H	50 x 100mm Rafters	493	m		-
J	50 x 75mm Purlins	535	m		-
K	50 x 50mm Noggings	618	m		-
L	50 x 50mm Hangers	98	m		-
	The following in 7No. Hardwood Trusses, with span over 9.0m. but not exceeding 12.0m. overall height 4.0m. above ground level including hoisting into position				
M	50x150mm Top chord	66	m		-
N	50x150mm Bottom chord	50	m		-
P	50x100mm Struts and ties	88	m	-	-
	C/F				-

Item	Description	Qty	Unit	Rate	Total GH¢
	B/F				-
	Carpenter's Metalwork				
A	16mm Diameter mild steel rag bolt, 250mm long cast in concrete	24	No		-
B	100x100mm Equal angle plate, bolted	6	No		-
	CARPENTERY Carried to Summary				-
	JOINNERY/ METAL WORKS WINDOWS/DOORS/STAIRS				
	Eaves and verge boarding				
	Wrought hardwood as described				
C	25x275mm fascia board	79	m		-
	L20: TIMBER DOORS/SHUTTERS/HATCHES				
	Doors in hardwood; treated with preservative; wrought				
D	44mm thick **(finished)** hardwood panel; **Size 1500 x 2050mm**	3	No.		-
E	Ditto: size **900 x 2050mm**	4	No.		-
	Door and window frames in hardwood; treated with preservative; wrought				
F	50 x 150mm hardwood frame plugged to wall	168	m		-
	Fillet, etc				
G	12mm x 50mm Planted door stops	34	m		-
H	12 x 50mm Window stoper	125	m		-
J	25mm x 14mm thick Cover Battern	92	m	-	-
K	Ceilling Battern	280	m	-	-
	Ironmongery				
	Supply and fix the following ironmongery to hardwood with matching screws				
L	100mm Mortice lock set	2	No		-
M	High quality Pad lock	6	No		-
N	Hasp and staple	6	No		-
P	Pair 100mm Brass butt hinges	9	No		-
Q	Pair 75mm Brass butt hinges	6	No		-
R	100mm Brass barrel bolt	12	No		-
	JOINERY Carried to Summary				-

Item	Description	Qty	Unit	Rate	Total GH¢
	METALWORK				
	Nasco' anodised aluminium louvre carriers and fiitings as produsedand marketed by Messers PASICO Gh. Limited, or equal approved in approved mastic sealers and screwed to hardwood:				
A	Pair Ditto 1143mm long with clip for 8No. 150mm blades	24	No.		-
B	16mm diameter mild steel burglar proof bar	399	Kg	-	-
	Mild steel				
C	2.5mm x 5mm x 50mm mild steel sqaure welded mesh	38	m^2		-
	Sundries				
D	Nylon mosquito proof woven plastic gauze cut to size and fixed to hardwood frame with battens (measured separately)	38	m^2		-
	METALWORK				
	Carried to Summary				-
	ELECTRICAL INSTALLATIONS				
	ELECTRICAL				
E	Include a provisional sum of GH₵16,400.00 for work in connection power from the National Grid to the facility and it associated works.	1	Sum		-
	The rates inserted in the section of the bill of Quantities are to include all cost associated with the material, handling, fixing and contractor's mark-up.				
F	To supply and install electrogalvanised metalclad, Distribution board with 12-Way 1 incoming 100A TPN Adjustable MCCB, CT's Indicating light, metering panel, cable termination, with outgoing as per specification and Drawings. Include surge arrestor.	1	No.		-
G	Supply and install 100A RCD Circute Breaker	1	No.		-
	CABLES AND ACCESSORIES				
H	1.5mm tropical cables for lighting systems (Red and Black)	240	m		-
J	2.5mm tropical cable for electrical sockets (Red,Black and Yellow)	360	m		-
	Supply, fix and connect the following complete with all accessories				
K	1.4m Sweep ceiling fan complete with multi-speed regulator as Crompton Greaves or approved equivalent	8	No.		-
	C/F				-

Item	Description	Qty	Unit	Rate	Total GH¢
	B/F				-
	LUMINAIRES				
	Supply, install and connect the folowing luminaires with all Necessary accessories complete (lamps, attachment etc.)				
A	1200mm long florescent frame with bulb and associated fittinds	17	No.		-
	FLUSH PLATE SWITCHES				
B	6 Amp; 1 Gang ; 2 way; single pole switch	5	No.		-
C	6 Amp; 2 Gang ; 2 way; single pole switch	5	No.		-
D	6 Amp; 3 Gang ; 2 way; single pole switch	5	No.	-	-
	SOCKETS				
E	13Amp; 2 Gang socket	24	No.		-
	CONDUIT				
F	PVC pipes in wall	240	m		-
G	75mm x 75mm conduit box	15	No.		-
H	75mm x 150mm conduit box	24	No.		-
J	4way Circular conduit box	30	No.		-
K	Supply and install suitable earthing system for the above installation	1	Item		-
	ELECTRICAL INSTALLATIONS				
	Carried to Summary				-
	GLAZING				
L	150mm wide plain/obscre glass louvre blade with slightly round long exposed edges and into metal clip 900mm long clip	336	No.		-
	Glazing Carried to Summary				-

Item	Description	Qty	Unit	Rate	Total GH¢
	M20:PLASTERING/RENDERED/ROUGHCAST COATINGS				
	PLASTERWORK AND OTHER FLOOR, WALL, AND CEILING FINISHINGS				
	In-situ finishings 12mm Cement and sand render (1:4) on concrete and blockwork				
A	Wall	572	m^2		-
B	Column	8	m^2		-
	25mm Cement and sand render (1:3) on concrete and blockwork				
C	Wall, as writing board	9	m^2		-
	Plain sheet finishings				
D	6mm Plywood (Redwood) celing lining, fixed to horizontal soffits of hardwood noggings and joists	170	m^2		-
	Beds and backings Cement and sand (1:3) as described on blockwork or concrete				
E	50mm Level paving, trowelled smooth	258	m^2		-
	PLASTERWORK AND OTHER FLOOR WALL AND CEILING FINISHINGS Carried to Summary				-
	PAINTING AND DECORATING				
	Prepare and apply one uder coat as skiming to wall :				
F	Skimming to wall	376	m^2		-
G	Prime back only joinery before fixing	68	m^2		-
	Prepare and apply three coats of Acrylic emulsion paint on:				
H	Rendered wall	200	m^2		-
J	Soffits of plywood ceiling	180	m^2		-
	Knot, prime, stop and paint two undercoats and one finishing coat of leyland/leylac oil paint on woodwork				
K	General surfaces	52	m^2		-
L	Surfaces not exceeding 300mm girth	20	m^2	-	-
M	Approved writing board paint on rendered walls	18	m^2	-	-
	PAINTING AND DECORATING Carried to Summary				-

Item	Description	Qty	Unit	Rate	Total GH¢
	SUMMARY **BILL NO. 2** **3-UNIT CLASSROOM BLOCK WITH ANCILLARY FACILITIES WITH INCLUDE OFFICE AND STAFF COMMON ROOM**				
	SUBSTRUCTURE				-
	CONCRETEWORK				-
	BLOCKWORK				-
	ROOFING				-
	CARPENTRY				-
	JOINERY				-
	METALWORK				-
	ELECTRICAL INSTALLTION				-
	GLAZING				-
	PLASTERWORK AND OTHER FLOOR WALL AND CEILING FINISHINGS				-
	PAINTING AND DECORATING				-
	BILL NO. 2 - 3-UNIT CLASSROOM BLOCK WITH ANCILLARY FACILITY				**-**
	Carried to General Summary				

Item	Description	Qty	Unit	Rate	Total GH¢
	BILL NO. 4 EXTERNAL WORKS				
	APRON				
	Excavation and Earthworks				
A	Excavate trench not exceeding 1.50m metres deep commencing 150mm below ground level	8	m³	-	-
B	Renturn, fill in and well ram selected excavated material around foundation	3	m³	-	-
C	Remove surplus excavated material from site	6	m³	-	-
	Hardcore as described, spread, levelled and well rammed and consolidated				
D	Filling in layers not exceeding 225mm thick in making up levels under floors.	5	m³	-	-

Item	Description	Qty	Unit	Rate	Total GH¢
	Concrete Work				
E	Plain in-situ concrete (1:3:6-40mm aggregate) as described foundation in trenches	1	m³	-	-
F	Concrete Slab	1	m³	-	-
	Formwork				
	Sawn formwork to				
G	Edge of slab, 100mm wide	30	m	-	-
	Blockwork				
	Sandcrete blockwork in cement and sand (1:4) motar				
H	125mm thick solid wall	8	m²		-
J	20mm Cement and sand render to wall	18	m²		-
K	Prepare and apply three coats of emulsion paint on	20	m²		-
	BILL NO.4: EXTERNAL WORKS (APRON)				
	Carried to General Summary				-
	GENERAL SUMMARY				
	BILL N0.1 - GENERAL CONDITIONS OF CONTRACT AND PRELIMINARIES				-
	BILL N0.2 -3-UNIT CLASSROOM BLOCK				-
	BILL N0.3 - EXTERNAL WORKS (APRON)				-
	SUB-TOTAL				-
	TOTAL				
	COST CARRIED TO FORM OF TENDER				-