ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	GENERAL PRELIMINARIES				
	BILL NO. 1: PRELIMINARIES				
	A10 PROJECT PARTICULARS				
A	The site is located at NKORANZA METHODIST JHS in the Nkoranza South of the Bono East Region of Ghana				
	SITE /EXISTING BUILDINGS				
B	The Contractor is to visit and examine the Site and satisfy himself as to the character of the soil and the facilities for obtaining the special articles and shall obtain generally his own information on all matters affecting the execution of the works. No extra charge made in consequence of any misunderstanding or incorrect information of any of these points or on the grounds of insufficient description will be allowed. The Contractor will not be allowed to dig any borrow pits anywhere upon the Site without the prior permission of the Consultant.		Item		
	Scope of Works				
C	The works comprise :- The construction of a 3-unit classroom block facility.				
D	The structure is mainly of reinforced concrete columns, beams/lintel and sandcrete blockwork in-filling. Roofing is that of aluzic sheeting. Doors are panelled and in windows are glazing (louvres) and plywood and plastic T&G ceiling fixed to hardwood noggings. All walls are rendered except wet areas which are tiled. Floor finishes are all tiles. Painting is predominantly emulsion on rendered walls and oil paint on general surfaces of woodwork.		Item		
E	The Contractor is referred to the relevant drawings for a more exact appreciation of the works to be undertaken.		Item		
	A11 DRAWINGS				
	Drawings used for preparation of Bills of Quantities				
F	The drawings may be inspected by appointment at the office of the consultant		Item		
	C/F				

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	B/F				-
	A31 EMPLOYERS REQUIREMENT The Contractor is to allow for the underlisted preliminary items. Any item not listed and which the bidder considers to be part of his Preliminary cost shall be deemed to have been included in the rates				
A	Agent or Foreman in charge		Item		
B	Transport for work people		Item		
C	Construction of Water tanks		Item		
D	Security		Item		
E	Temporary offices and stores		Item		
F	Plant and Tools		Item		
G	Removal of Rubbish and Cleaning Works after completion		Item		
H	Setting Out of Works		Item		2,000.00
	Sign Post				
J	Timber notice board size 1000 x 1500mm overall in a prominent position on the site bearing the names of the Project, Client Employees and Technical Supervisors		Item		
	Performance Security/Bond				
K	Allow for all cost associated with acquisition of Performance/Advance Mobilisation Bond		Item		
	Bill No 1: PRELIMINARIES, **TOTAL TO GENERAL SUMMARY**				

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	CONSTRUCTION OF 3 - UNIT CLASSROOM BLOCK WITH ANCILLARY FACILITIES AT METHODIST JHS-NKORANZA				
	SUB-STRUCTURE				
	(ALL PROVISIONAL)				
	BILL NO. 2 - 3 - UNIT CLASSROOM BLOCK				
	Site Preparation				
A	Clear site of all bushes,shrubs,undergrowth and the like,grub up roots and clear or burn rubbish on site	379	m^2		
	Excavation and Earthworks				
B	Excavate oversite to remove vegetable soil average 150mm deep,load,deposit,spread and level on site	379	m^2		
C	Excavate pits to receive column bases average depth not exceeding 1.5m starting fromstripped level	14	m^3		
D	Excavate trenches to receive strip foundations average depth not exceeding 1.5m starting from formation level	56	m^3		
E	Extra over normal excavations for excavating through rock or hardpan laterite				
F	Backfill around foundation with selected excavated material well rammed in 225mm layers	38	m^3		
G	Remove surplus excavated material from site	18	m^3		
	Hardcore Filling				
H	Approved hardcore filling to make up levels under bed well rammed and consolidated in 225mm layers	120	m^3		
	Damp-Proof Membrane				
J	Lay 0.3mm polythene membrane on hardcore	375	SM		
	Concrete Work				
	Plain in-situ concrete (1:4:8 - 38mm aggegate.) as described in:				
K	50mm Blinding layer	0.64	m^3		
	Plain in-situ concrete (1:3:6 - 38mm aggregate.) as described in:				
L	Strip Foundations	22	m^3		
M	Concrete bed	375	m^2		
	To collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	Reinforced in-situ vibrated concrete (1:2:4 - 19mm aggregate.) as described in				
A	Column Bases	4	m^3		
B	Columns	3	m^3		
C	Steps	0.6	m^3		
	Reinforcement Mild steel bars reinforcement to BS 4449 as described in:				
D	12mm Diameter bars in columns bases	149	kg		
E	12mm Diameter bars in columns in foundation	179	kg		
F	10mm Diameter bars stirrups in foundation columns	96	kg		
	Formwork **Sawn Formwork to:**				
G	Vertical sides of column	46	m^2		
H	Steps	3	m^2		
J	Edges of100mm thick Bed	4	m		
	To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	Blockwork				
	Solid sandcrete block work bedded and jointed in cement and sand (1:4) mortar in:				
A	150mm Thick wall	210	m²		
	Extra Works				
B	Allow a provisional sum of GH0.00 for damp proof membre (PDM)		Item		
	To Collection				
	COLLECTION				
	Page No. 1				
	Page No. 2				
	Page No. 3				
	SUBSTRUCTURE				
	To Summary			**GH¢**	

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	SUPERSTRUCTURE				
	CONCRETE WORK				
	Reinforced in-situ vibrated concrete (1:2:4 - 19mm agg.) as described in:				
A	Columns	12	m^3		
B	Beams	2	m^3		
C	Lintel	3	m^3		
	Reinforcement Mild steel bars reinforcement to BS4449 as described in:				
D	12mm Diameter bars in columns	460	kg		
E	10mm Diameter ditto as stirrips	180	kg		
F	12mm Diameter bars in beams	258	kg		
E	10mm Diameter bars as stirrups	102	kg		
H	12mm Diameter bars in lintels	445	kg		
I	10mm diameter bars stirrups	279	kg		
	Formwork **Sawn Formwork to:**				
J	Vertical sides of columns	55	m^2		
K	Sides of beams/lintel	48	m^2		
L	Soffits of beams	11	m^2		
	CONCRETE WORK To Summary			**GH¢**	

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	BLOCKWORK				
	Solid sandcrete block work bedded and jointed in cement and sand (1:4) mortar in:				
A	125mm thick Walls	245	m²		
B	Ditto in gable walls	36	m²		
	BLOCKWORK To Summary			**GH¢**	
	ROOFING				
	Corrugated or Troughed Sheet Roofing				
A	0.35mm corrugated long span IBR Aluzinc roofing sheets laid with two corrugations side laps and fixed to hardwood purlins at 1050mm centres with aluminium drive screws and washers in accordance with manufacturer's instructions	483	m²		
B	0.35mm Pre-formed corrugation aluminum Ridge cap, 450mm girth and fixed tomhardwood with drive screws and washers	34	m		
	ROOFING To Summary			**GH¢**	

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	CARPENTRY				
	Sawn Treated Hardwood				
A	50 x 150mm rafters	342	m		
B	50 x 100mm Purlins	540	m		
C	50 x 150mm Ridge board	34	m		
D	50 x75mm Ceiling noggings	396	m		
E	50 x75mm Ceiling joist	684	m		
F	50 x 150 Hangers	648	m		
	Carpenter's Metal work				
G	Include the Provisional sum of Ghc 12,000.00 for Carpenter's work		Item		12,000.00
	CARPENTRY				
	To Summary			**GH¢**	

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	JOINERY				
	Fasia/Verge Boarding				
	Wrot Hardwood				
A	25 x 300mm Fascia Board	94	m		
	DOORS AND WINDOWS				
	Doors				
	44mm thick (Finished) panelled door comprising 100mm top rail and stiles, 150mm middle and bottom rails, open rebated and divided into five panels and filled in with 25mm thick moulded hardwood panels with and including planted beads:				
B	Door size 1200 x 2400 mm	9	nr		
C	Door size 900 x 2400mm	5	nr		
	FRAMES,SILLS AND KERBS				
	Frames				
D	50 x 150mm Frames plugged to blockwork or concrete	272	m		
	FILLETS,GLAZING BEADS AND GROUNDS				
	Wrot Hardwood				
E	12 x 50mm Window batten	176	m		
F	12 x 50mm Door Stops	119	m		
G	12 x 50mm Ceiling batten	950	m		
I	Glazing bead	92	m		
	To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	Fixtures and Fitings				
A	Include the provisioinal sum of (GH¢ 0.00) for lockers, book shelves,blackboards and railings				
	Ironmongery **Supply and fix the following ironmongery to hardwood with screws to match**				
B	Pair,100mm Brass butt hinges	21	nr		
C	Mortise Lock with set of lever handle furniture (British Union)	6	nr		
D	150mm brass barrel bolt	7	nr		
	To Collection				
	COLLECTION				
	Page No. 8				
	Page No. 9				
	JOINERY				
	To Summary			**GH¢**	

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	METAL WORK				
	Work in mesh				
A	Expanded metal mesh reinforcement as burglar-proofuing fixed to haredwood window frames with battens(measured seperately)	85	m²		
	STANDARD UNITS				
	Aluminium Naco louvre carriers with clips for 150mm wide glass blades including fixing to hardwood with srews to match				
B	Supply and fix pair 8 - blade Naco louver carrier	44	nr		
C	Supply and fix pair 4 - blade Naco louver carrier	47	nr		
	Sundries				
D	Nylon mosquito proof woven plastic gauze cut to size and fixed to hardwood frames with battens (measured separately)	85	m²		
	METAL WORK Carried to Summary			**GH¢**	

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	PLUMBING INSTALLATION				
	Internal Pipework				
A	Include the provisional sum of (GH10,000.00) for internal pipework in connection with plumbing installations		Item		10,000.00
	Sanitary Appliances				
	Supply and fix the following sanitary appliances				
B	Imported low level white glazed W.C. suite (as Twyford) comprising pan with plastic seat and cover, two gallons ceramic flushing cistern, pair of enamelled brackets, enamelled flush pipe including jointing flush pipe to cistern brackets and pan, plugging and screwing cistern brackets and guide ring to blockwork including joints to service and waste (measured separately)	2	nr		
C	550mm X 400mm White glazed Wash hand basin (as Twyford) comprising with 31mm diamter chromium plated waste fitting, plug,chain and stay,and one 12mm chromium plated valve and one glazed stopper,and appliance mounted on pair of barckets plugged and screwed to wall	2	nr		
D	19mm diameter Chromium plated towel rail 675mm long with pair of loose brackets includding plugging and screwing brackets to blockwall	2	nr		
E	Chromium plated toilet roll holder with plastic roller but without cover including plugging and screwing to blockwalls	2	nr		
	PLUMBING INSTALLATION				
	To Summary			**GH¢**	

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	ELECTRICAL INSTALLATIONS				
	Switch Gear				
	Supply and install the following				
A	12-Way SPN, MCB Consumer Unit	1	nr		
	Residual current device	1	nr		
	Feeder Cable				
B	16mm PVC Insulated copper cable (Approximate length)	100	m		
C	20mm diameter PVC conduit pipe	100	m		
D	Circular box	60	nr		
	Wiring of points				
	Supply and wire in concealed conduit ligthing and fan and socket outlet points using PVC insulated copper cable as Kabel Metal make or approved equal				
E	Lighting and fan points using 1.5mm2 PVC cable	800	m		
F	13A Socket outlet points using 2.5mm2 PVC cable complement 2.5mm2 yellow/green as earth	300	m		
G	75 x 75 mm steel conduit boxes	27	nr		
H	75 x 150mm steel conduit boxes	19	nr		
	Luminaries and Accessories				
J	1x 36W energy saving, straight lampholder bulb(fly Batting Fittings)	5	nr		
K	Supply and install of Lampholder(Tread/Pin)	30	nr		
L	16W Ceiling light with LED bulb Lamp	40	nr		
M	2 x13A Socket outlet	19	nr		
N	1 Gang 1 way Switch	7	nr		
P	2 Gang 1 way Switch	7	nr		
Q	1200mm orient Ceiling fan	16	nr		
	To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	Earthing				
A	Supply and install suitable earthing system for the above installation				
B	6X 6 IP 65 Junction Box	1	nr		
C	1500 copper Earth rod buried 1.5m below ground with soil treatment	2	set		
D	V.R.A. Meter installation and attendance		Item		5,000.00
	BUILDER'S WORK				
E	Include the provisional sum of (GH¢10,000.00) for Builder's work in connection with Electrical installations		Item		10,000.00
	To Collection				
	COLLECTION				
	Page No. 12				
	Page No. 13				
	ELECTRICAL INSTALLATIONS				
	To Summary			**GH¢**	

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	PLASTERWORK AND OTHER FLOOR,WALL AND CEILING FINISHINGS				
	In-situ Finishings				
	15mm thick cement and sand (1:4) render on:				
A	Wall	700	m²		
B	Columns	40	m²		
C	Soffit and Sides of Beams	35	m²		
D	Steps	13	m²		
	Screeded paving				
E	50mm Thick cement and sand (1:3) bed laid level on concrete and trowelled hard smooth	297	m²		
	Tile, Slab or Block Finishings				
	Ceramic Wall Tiling				
F	200 x 300 x 6mm Thick ceramic wall tiles fixed with an approved adhesive and pointed in white cement on floated backing (measured separately)	17	m²		
G	300 x 300 x 8mm Thick ceramic floor tiles ditto on screeded bed	31	m²		
	Plain Sheet Finishings				
H	6mmThick Plywood panels cut to size and fixed to soffit of noggings as ceiling linning	297	m²		
	Beds and Backing				
	Cement and sand (1:3) mortar as described in:				
J	19mm Thick floated backing to receive wall tiles	17	m²		
K	40mm Thick screeded to receive floor tiles	31	m²		
	PLASTERWORK, ETC.				
	To Summary			**GH¢**	

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	GLAZING				
	Fanlight Glazing				
A	Plain glass cut to size and fixed into hardwood frames and secure in position with glazing beads. (measured separately)	6	m²		
	Glass louvre blades				
B	6mm x 150mm Wide clear/obscure glass louvre blade with long edge slightly rounded and ends fixed in clips of carriers (exceeding 750mm but not exceeding 900mm long)	416	nr		
	GLAZING To Summary			**GH¢**	

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	PAINTING AND DECORATING				
	Prepare and apply two undercoats and one finishing coat of Emulsion paint on:				
A	Soffit of plywood ceiling	297	m²		
B	Rendered walls	700	m²		
C	Rendered columns	40	m²		
D	Soffit and sides of Beams	35	m²		
	Prepare and apply one coat of Aluminium primer on:				
D	Back of joinery before fixing	14	m²		
	Prepare and apply two undercoats and one finishing coat of gloss oil paint on:				
E	General surfaces of doors	59	m²		
	Knot, prime, Stop and Paint two undercoats and one finishing coat of gloss oil paint on:				
F	General surfaces of hardwood	68	m²		
	PAINTING AND DECORATING To Summary			**GH¢**	

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	SUMMARY				
A	SUBSTRUCTURE				
B	CONCRETE WORK				
C	BLOCKWORK				
D	ROOFING				
E	CARPENTRY				
F	JOINERY				
G	METALWORK				
H	PLUMBING INSTALLATIONS				
J	ELECTRICAL INSTALLATIONS				
K	PLASTERWORK, ETC.				
L	GLAZING				
M	PAINTING AND DECORATING				
	BILL NO. 2 - 3 - UNIT CLASSROOM BLOCK				
	To General Summary			**GH¢**	

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	BILL NO. 3 - EXTERNAL WORKS				
	APRONS WORKS				
	Excavation and Earthworks				
A	Cut, spread, level and compact topsoil	47	m^2		
B	Excavate trenches to receive strip foundations average depth not exceeding 1.5m starting from formation level	9	m^3		
C	Backfill around foundation with selected excavated material well rammed in 225mm layers	7.20	m^3		
D	Remove surplus excavated material from site	1.91	m^3		
	Concrete Work				
	Plain in-situ concrete (1:3:6 - 38mm aggregate.) as described in:				
E	Strip Foundations	4.5	m^3		
F	100mm Thick floor Bed	5	m^2		
	Formwork				
	Sawn Formwork to:				
G	Edges of100mm thick Bed	10	m		
	Blockwork				
	Solid sandcrete block work bedded and jointed in cement and sand (1:4) mortar in:				
H	125mm Thick wall	31	m^2		
	PLASTERWORK AND OTHER FLOOR,WALL AND CEILING FINISHINGS				
	In-situ Finishings				
	15mm thick cement and sand (1:4) render on:				
J	Wall	29	m^2		
	APRONS WORKS To Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	SEPTIC TANK				
	3.00m x 2.40 x 2.40 m deep				
A	Excavate pits to receive column bases average depth not exceeding 1.0m starting fromstripped	25	m³		
B	Ditto exceeding 1.5m but not 2.40m deep	13	m³		
C	Backfill around foundation with selected excavated material well rammed in 225mm layers	15	m³		
D	Remove surplus excavated material from site	21	m³		
E	Approved broken rubble or graded stone filling to soakaway pit.	11	m³		
	Plain in-situ concrete (1:3:6 - 38mm aggregate.) as described in:				
F	225 mm Thick bed	1.32	m³		
	Reinforced in-situ vibrated concrete (1:2:4 - 19mm aggregate.) as described in				
G	200mm Slab	1.44	m³		
H	Ditto in beams	0.20	m³		
	Mild steel bars reinforcement to BS 4449 as described in:				
I	12mm Diameter bars in slab	365	kg		
	Sawn Formwork to:				
J	Soffit of slab	6	m²		
K	Edges of slab 200mm thick	1.2	m²		
L	Sawn formwork to sides of beams	2	m²		
M	Precast concrete slab 600 x 600 x 75mm thick including all necessary reinforcement and formwork with lifting handle	3	nr		
N	Precast concrete slab 900 x 900 x 75mm thick, ditto	1	nr		
	Solid sandcrete block work bedded and jointed in cement and sand (1:4) mortar in:				
P	225mm Thick wall	60	m²		
Q	150mm Thick wall	24	m²		
	To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	15mm thick cement and sand (1:4) render on:				
A	Wall	24	m²		
	Screeded paving				
B	50mm Thick cement and sand (1:3) bed laid level on concrete and trowelled hard smooth	7	m²		
C	600 x 600 x 600 mm (average deep internally inspection chamber including benching and cover	4	nr		
	To Collection				
	COLLECTION				
	Page No. 19				
	Page No. 20				
	SEPTIC TANK				
	To Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT (GH¢)
	SUMMARY				
	APRONS WORKS				
	SEPTIC TANK				
	BILL NO. 3 - EXTERNAL WORKS				
	To General Summary			GH¢	

ITEM	DESCRIPTION				AMOUNT (GH¢)
	GENERAL SUMMARY BILL NO.1 - PRELIMINARIES AND GENERAL CONDITIONS OF CONTRACT BILL NO.2 - 3-UNIT CLASSROOM BLOCK BILL NO.3 - EXTERNAL WORKS				
	SUB TOTAL				
	ADD FOR PHYSICAL CONTINGENCY SUM 5%				
	TOTAL COST OF PROJECT **GH¢** To Form of Tender			**GH¢**	
	CONTRACTOR'S SIGNATURE…… **NAME:……** **TITLE:……** **DATE……..……**				