ITEM	*DESCRIPTION*	*QTY*	*UNIT*	*RATE*	*AMOUNT*
	BILL NO. 1 (PRELIMINARIES)				
A	Perfomance Security				
B	Watching and Protection of the Works				
C	Transport for Work people				
D	First Aid Equipment				
E	Project Signboard.				
F	Clerk of Works				
G	Progress Photograph.				
H	Setting Out of the Works				
J	Allow for providing all scaffolding, and apparatus profile and apparatus genereal required for the proper execution of the works. The Contractor shall provide without extra charge all labour and equipment or apparatus required by the Engineer for the testing and measuring the works and for weighing, proving or testing the efficiency of any portion of the works				
K	Water for the Works.				
	BILL NO. 1 GENERAL ITEMS (PRELIMINARIES) ***Carried to General Summary***		***GH₵***		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	BILL NO. 2 (CHPS COMPOUND)				
	SUBSTRUCTURE (ALL PROVISIONAL)				
	Site Preparation				
A	Clear site of all bush and undergrowth and dispose from site	201	m^2		
B	Cut off trees girth exceeding 2.0m girth	10	Nr		
C	Excavate oversite to remove topsoil average 150mm deep	201	m^2		
	Excavation and Earthworks				
D	Excavate trench not exceeding 1.50 meters deep commencing 150mm below ground level	62	m^3		
E	Excavate pit for columns not exceeding 1.5 metres deep ditto	15	m^3		
F	Return, fill in and well ram selected excavated material around foundation	10	m^3		
F1	Excavate trench for Concrete Ramp not exceeding 0.75mm deep	8	m^3		
	Hardcore as described, spread, levelled and well rammed and consolidated				
G	Filling in layers not exceeding 600mm thick in making up level up under floors	121	m^3		
	Concrete Works				
H	50mm Plain in-situ concrete (1:4:8-20mm aggregate) as describrd bed spread and levelled as blinding	1	m^3		
J	Plain in-situ concrete (1:3:6-40mm aggregate as described foundation in trenches: Foundation	18	m^3		
J1	Concrete ramp	1	m^3		
J2	100mm thick floor bed	21	m^3		
	To Collection				
	Reinforced in-situ vibrated concrete (1:2:4-20mm aggregate) as described filled into formwork and packed around reinforcement (both measured separately)				
K	Column base	4	m^3		
L	Column	1	m^3		
M	Ground beam	7	m^3		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	REINFORCEMENT				
	Supply and fix as described the following mild steel round bar reinforcement with and including all necessary binding wire:				
M	12mm Diameter bars in column base (Mat)	215	Kg.		
N	12mm Diameter bars in ground beam	498	Kg.		
N	12mm Diameter bars in column	145	Kg.		
P	8mm Diameter bars as links and stirrups	145	Kg.		
	FORMWORK				
	Sawn formwork as described to:				
Q	Vertical side of column	10	m²		
R	Vertical side of ground bean	93	m²		
S	Edge of bed 150mm wide	71	m		
	BLOCKWORK				
S	150mm Solid sandcrete blockwork in cement mortar (1:4) described	115	m^2		
	PLASTERING				
T	20mm Cement and sand render to wall	18	m^2		
U	Dieldrex anti-termite treatment to foundations		Item		
	PAINTING				
V	Prepare and apply three coats of emulsion point on rendered wall	18	m^2		
	To Collection				
	COLLECTIONS *Page 1* *Page 2*				
	SUBSTRUCTURE CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUPERSTRUCTURE				
	CONCRETE WORK				
	Reinforced in-situ vibrated concrete (1:2:2-20mm aggregate) as described filled into formwork and around reinforement (both measurered separately)				
A	Horizontal beam	6	m^3		
B	Column	3	m^3		
	CONCRETE WORK CARRIED TO SUMMARY		***GH₵***		
	REINFORCEMENT				
	Supply and fix as described the following mild steel round bar reinforement with and including all necessary binding wire				
C	12mm Diameter bars in column	265	Kg.		
D	12mm Diameter bars in beam	512	Kg		
E	8mm Diameter bars in stirrups	194	Kg.		
	REINFORCEMENT CARRIED TO SUMMARY		***GH₵***		
	FORMWORK				
	Sawn formwork as described to:				
F	Vertical sides of column	30	m^2		
G	Sides of horizontal beam	70	m^2		
H	Props and braces to support beam and column	21	m		
	FORMWORK CARRIED TO SUMMARY		***GH₵***		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	BLOCKWORK				
	Solid sandcrete blockwork in cement mortar(1:4) as described in				
A	150mm Wall	385	m^2		
	BLOCKWORK CARRIED TO SUMMARY		**GH₵**		
	ROOFING				
	0.4mm Gauge Corrugated Aluminium deep troughed trapezoidal roof sheeting as manufactured by Messrs Ghana Aluminium Products				
A	Roof Sheeting	265	m^2		
B	Hip Cap	39	m		
C	Ridge Cap	10	m		
D	Rain gutter	71	m		
	ROOFING CARRIED TO SUMMARY		**GH₵**		
	CARPENTRY				
	Sawn hardwood treated with solignum in all surfaces				
A	50mm x 150mm Rafters	221	m		
B	50mm x 150mm Tie Beam	198	m		
C	50mm x 150mm Wall Plate	71	m		
D	50mm x 150mm Hip rafters	35	m		
E	50mm x 150mm Purlins	465	m		
F	50mm x 150mm King Post	21	m		
G	50mm x 150mm Vertical and Diagonal Struts	155	m		
H	50mm x 50mm Ceiling joist and noggins	225	m		
	Wrought Treated Harwood -				
J	25mm x 250mm fascia Board	71	m		
	Mild steel rods cut into lengths and threaded through hardwood into all windows				
K	16mm diameter horizontally.	188	m		
	CARPENTRY WORKS CARRIED TO SUMMARY		**GH₵**		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	JOINERY/ METAL WORKS				
	Doors				
	Wrought hardwood as described				
A	Flush door 100mm wide intermediate rails, 200mm thick wide bottom rail 20mm thick wooden panel; 900 x 2100 x 45mm	5	No		
	FLUSH DOOR;				
B	Ditto 750 x 2100 x 45mm	10	No		
C	***Double China Security door*** complete; 1200 x 2050 x 45mm	5	No.		
	FRAMES				
	Windows				
D	50 x 150mm Wrot hardwood frame, treated with preservative	110	m		
	Doors				
E	50 x 150mm Wrot hardwood frame, treated with preservative	60	m		
	Fillet, etc.				
G	Window stops	42	m		
H	Door battens	60	m		
	Ironmongery				
	Supply and fix the following ironmongery to hardwood with matching screws				
J	Approved Mortice lockset with level handle furniture 225mm	11	No		
K	Pair 100mm Brass butt hinges	22	No		
	GLAZING				
	STANDARD UNITS				
	"Naco" louvre carriers; fixing to hardwood frames with screws to match.				
L	Pair Louvre carriers 1125mm long with clips for 8No. 150mm blades and dual control	70	No		
M	Pair Louvre carriers 550mm long with clips for 4No. 150mm blades and dual control	16	No		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Sundries				
N	Obscure glass louvre blade cut into sizes long with slightly rounded edge and fixed in metal clips	312	No		
P	Aluminium or other equal approved mosquito proof net fixed with hardwood beads (measured separately)	30	m²		
Q	Square Wire mesh	30	m²		
R	Supply and fix mild steel/wrought iron balusters into ***PWD R* AMP** at the main entrance of the ***CHPS COMPOUND*** , 20mm square x 1200mm high spaced at 100mm. Balusters welded to 50mm x 25mm top and bottom mild rails. Include all welding, grinding smooth, one coat red oxide primer and two enamel oil paint finish	28	m		
	JOINERY/METAL WORKS CARRIED TO SUMMARY		***GH₵***		
	PLUMBING WORKS				
	Unplasticized PVC pipework and fittings to BS4514:1969 buried in blockwork or fixed to blockwork with PVC clips				
A	40mm diameter pipe	20	m		
B	Extra for 40mm bend	13	No		
C	Extra for 40mm tee	6	No		
D	Extra for 40mm bottle trap	9	No		
E	Extra for 38mm floor drain	8	No		
	Soil and vent pipework				
	Unplasticized PVC pipework and fittings to BS4514:1969 buried in blockwork or fixed to blockwork with PVC clips				
F	100mm diameter waste/vent pipe supported with pipe clips at 1200mm centres	9	m		
G	100mm diameter pipe in concrete bed	15	m		
H	100mm diameter elbow	9	No		
J	Extra for 100 mm bend	9	No		
K	Extra for 100 mm tee	8	No		
	Cold water Installation				
	UPVC pipework built into chases in blockwork				
A	25mm diameter pipe	8	m		
B	25mm diameter bend	7	No		
C	25mm - 12mm diameter tee	7	No		
D	25mm - 12mm reducer	5	No		
E	25mm - 12mm reducer bend	2	No		

ITEM	*DESCRIPTION*	*QTY*	*UNIT*	*RATE*	*AMOUNT*
	Cold water Installation (Contd) *UPVC pipework built into chases in blockwork*				
F	12mm diameter pipe	22	m		
G	12mm diameter bend	13	No		
H	12mm diameter tee	13	No		
J	12mm diameter faulcet socket	16	No		
K	12mm screw down stop cock	2	No		
L	Flexible tube	24	No		
M	Twyford or approved equivalent,white vitreous china WC suite comprising the following: I) WC pot with P or S trap. ii) Cistern, 7.5 litre capacity iii) Valve fitting with plastic syphon and support iv) Inlet & outlet connections. v) Plastic seat and cover.	5	No		
N	Twyfords semi-oval vitreous china white wash hand basin with the following: I) Plastic bottle trap ii) 12mm chromium plated taps. iii) 32mm chain waste with overflow slot iv) Size approx. 560 x 400mm semi oval, fixed to wall with concealed brackets.	3	No		
A	150mm long toilet roll holder	5	No		
B	Soap tray	4	No		
	Accessories for the PWD Toilets *Supply and fix the following chrome coated galvanised steel accessories*				
C	25mm diameter Vertical grabrail 450mm long	4	No		
D	Ditto; - Drop-down (hinged) rail 625mm long	2	No		
E	Ditto; - horizontal grabrail 600mm long	2	No		
F	Ditto; - Pull rail fixed to door 600mm long	2	No		
G	Shower fiitngs complete	1	No		
	PLUMBING WORKS CARRIED TO SUMMARY		***GH₵***		

ITEM	*DESCRIPTION*	*QTY*	*UNIT*	*RATE*	*AMOUNT*
	ELECTRICAL INSTALLATION *Supply, install, test and commission the following electrical works:* *LV Distribution* *PVC heavy guage conduit pipe* *Lay PVC conduit pipes in chases in blockwork, or in floor screed or concrete floor or through ceiling.*				
A	50mm diameter	30	LM		
	Cables				
B	Lay 2x16mm² PVC cable in conduit	20	LM		
	Copper Earthing components				
C	16mm² green/yellow copper earthwire drawn in to condu	30	LM		
D	20mm diameter 1.5m long earthrod with clamp driven in to Furse or equal	5	No.		
E	1m long air terminal complete; **Furse** or equal	2	No.		
F	3mmx25mm copper tape, clips and clamps	15	m		
	LV Switchgear and Distribution Boards				
G	100A Double pole and neutral moulded case circuit breaker (MCCB) complete with earthbar and enclosure; **Crabtree** or equal.	1	No.		
H	12-way 100A 230V, SPN flush mounted **memshield** distribution board incorporating: 100A SPN Isolator incomer 6Nos. 6A SP MCB outgoing 2Nos. 20A SP MCB outgoing 4Nos. 32A SP MCB outgoing	1	No.		
	General lighting and fans *PVC heavy guage conduit and fittings*				
J	20mm diameter straight conduit in chases in block work or in floor screed or in concrete floor or in ceiling	500	LM		
K	Circular boxes	25	No.		
L	75mmx75mmx35mm rectangular flush steel boxes	20	No.		

ITEM	*DESCRIPTION*	*QTY*	*UNIT*	*RATE*	*AMOUNT*
	PVC Insulated cable, single core stranded copper conductors 1.5mm² cable drawn in to conduit				
M	Red insulation	500	LM		
N	Black insulation	500	LM		
P	Green/yellow insulation	500	LM		
	Fittings				
	Supply and install the following lighting fittings complete with bulbs and tubes including all connections				
A	8W, 230V Energy saving light complete (internal)	7	No.		
B	18W, 230V Energy saving light complete (internal)	12	No.		
C1	20W, 230V Energy saving light complete (external)	6	No.		
C	230V, 1420mm (56in) sweep ceiling fan with regulator **Indian Crompton** or equal	10	No.		
	Accessories				
D	5A single pole flush plate switches 1-gang 1-way; **MEM** or equal	12	No.		
	General power				
	Final Circuits 230V, 13A Switch Socket Outlet for General Power				
E	20mm diameter PVC rigid conduit laid in chases in block work or in floor screed or in concrete floor	300	LM		
F	2.5mm² PVC red and black insulated single core copper cable drawn in to conduit	600	LM		
G	133mmx75mmx35mm flush steel conduit boxes	21	No.		
H	2.5mm² green/yellow copper cable drawn into conduit	300	LM		
J	13A, 230V twin (2-gang) switch socket outlet **MEM** or equal	7	No.		
	Final Circuits 230V 20A Double Pole switch for airconditioner				
K	20mm diameter PVC rigid conduit laid in chases in bloc work or in floor screed or in concrete floor, beam or column or in ceiling	20	m		
	PVC insulated cable single core stranded copper conductors 4.0mm² cable drawn into conduit				
L	Red insulation	20	m		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
M	Black insulation	20	m		
N	Yellow/Green insulation	20	m		
P	75mmx75mmx35mm flush steel conduit boxes	1	No		
Q	20A, 230V DP switch marked air conditioner/hand dryer/Water heater	1	No		
R	Include the Provisional sum of ***Twelve Thousand Ghana Cedis (GH₵12,000.00)*** for connection to electricity mains and acquisition of meter		Sum		12,000.00
	ELECTRICAL WORKS CARRIED TO SUMMARY		***GH₵***		
	PLASTERWORK AND OTHER FLOOR,WALL AND CEILING FINISHES				
	25mm thick cement sand render on blockwork, beam and column				
A	Plastering	822	m^2		
	K.LINING / SHEATING / DRY PARTITIONING				
B	Plywood Ceilings,10mm thickness to ceilings,width not exceeding 300mm fixing to timber includng the eaves	245	m^2		
C	Ceiling battens	289	m		
	Beds and backings *Cement and sand (1:3) as described on floor to receive floor tiles*				
D	50mm level paving, trowelled smooth	198	m^2		
E	400 x 400 x 12mm porcelain floor tiles porcelain laid basement floor	198	m^2		
	Beds and Backings *Cement and sand (1:3) as described 12mm screeded backing to receive*				
F	Wall tiles (measured separately)	77	m^2		
G	400 x 250 x 12mm porcelain wall tiles laid on walls in washrooms	77	m^2		
H	Tile Skirting 600mm x 600mm x 10mm	130	m		
	Beds and backings (Terazzo on PWD Ramp) Cement and sand (1:3) as described				

ITEM	*DESCRIPTION*	*QTY*	*UNIT*	*RATE*	*AMOUNT*
	on blockwork or concrete				
A	Polished in-situ terrazzo 20mm Level paving cast in bays not exceeding 1.00 sm between and including 3x25mm black ebonite dividing strips set vertically in screed on PWD Concrete Ramp	8	SM		
B	30mm Level bed	8	SM		
	PLASTERWORK AND OTHER FLOOR,WALL AND CEILING CARRIED TO SUMMARY		***GH₵***		
	FURNISHES				
A	Writing Desk	2	No.		
B	Five in One Bench with Back Rest in OPD	1	No		
C	Double Arm Chairs	4	No		
D	Bp Apparatus	2	No		
E	Weighing Scale with height	1	No		
F	Weighing Scale (hanging)	1	No		
H	Mop/Bucket	2	No		
J	Patients Screen	1	No		
K	Dust Bin	2	No		
L	Sweeping Brush / Dust Collection	2	No		
M	Examination Bed (Couch)	1	No		
N	Delivery Bed	2	No		
P	Patient Beds with mattress	3	No.		
Q	Infra Red Thermometer	2	No.		
R	Drip stand	2	No.		
S	Stethoscope	15	No.		
T	Examination gloves	15	No.		
U	Wheel chair	1	No.		
V	Metal Medicine Cabinet	1	No.		
W	Pulse Oxymeter	1	No.		
X	Adult weighing scale	1	No.		
Y	Infantometer	3	No.		
Z1	Delivery lamp	1	No.		
Z2	Pedaitric bed	2	No.		
Z3	Dressing trolley	2	No.		
	Basic Laboratory Equipment				
A	Olympus CH Microscope(LED illumination, 4x/10x/40x/100x objectives (refurbished))	1	Nr		
B	Centrifuge (Basic 6-tube centrifuge)	1	Nr		
C	Hemoglobin Meter (Portable Hb analyzer with accessories)	1	Nr		
D	Glucometer (Hand-held glucometer)	1	Nr		
E	Laboratory Refrigerator (90–120L capacity, temperature range 2°C–8°C)	1	Nr		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
F	Water Bath (Digital Water Bath, 6–12L capacity, 37°C–100°C)	1	Nr		
G	Autoclave (Small portable electric steam sterilizer, 8–12L capacity)	1	Nr		
H	Micropipette Set (Adjustable 0.1–1000 µL set)	1	Nr		
	Diagnostic Test Kits				
A	Urine Dipstick (10 Parameter)	100	Strips		
B	Glucometer Test Strips	50	Strips		
C	Pregnancy Test Strips (hCG) Cassette	25	Tests		
D	Malaria RDT Kits	25	Tests		
E	HIV Rapid Test Kits	100	Tests		
F	Hepatitis B Test Strips Cassette	25	Tests		
G	Hepatitis C Test Strips Cassette	25	Tests		
H	H. pylori Test Kits Cassette	25	Tests		
J	Typhoid Test Kits Cassette	25	Tests		
K	Syphilis Test Strips Cassette	25	Tests		
L	Blood Grouping Antisera (Anti-A)	10	Bottles		
M	Blood Grouping Antisera (Anti-B)	10	Bottles		
N	Blood Grouping Antisera (Anti-D)	10	Bottles		
P	G6PD Test Kits	25	Bottles		
	Non Consumable Lab Items				
A	EDTA Tubes	100	Pcs		
B	Tourniquet (latex-free)	2	Nr		
C	Beakers (50 ml set)	1	Set		
D	Glass Slides	2	Boxes		
E	Cover Slips	2	Boxes		
F	Yellow Pipette Tips	100	Pcs		
G	Microscope Immersion Oil Dropper Bottle	2	Nr		
H	Lab Timer (digital)	1	Nr.		
	FURNISHES CARRIED TO SUMMARY		***GH₵***		
	PAINTING				
	Prepare surface and apply one coat emulsion paint and two full coats of 'Vinyl Deluxe' or approved equal quality emulsion paint on				
A	General surfaces, rendered concrete and block walls girth > 300mm	795	m²		
B	Ditto Ceiling and ceiling eaves	243	m²		
	Knot, prime, stop and apply undercoats and one finishing coat, gloss 'Deluxe' oil paint on				
C	General surfaces, wrot hardwood, girth > 300mm	65	m²		
	PAINTING CARRIED TO SUMMARY		***GH₵***		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	*Substructure*				
B	***Superstructure***				
B1	*Concrete Works*				
B2	*Reinforcement*				
B3	*Formwork*				
B4	*Blockwork*				
B5	*Roofing Works*				
B6	*Carpentry*				
B7	*Joinery/Metal Works*				
B8	*Plumbing Installations*				
B9	*Electrical Installations*				
B10	*Finishing Works*				
B11	*Furnishes*				
B12	*Painting*				
	TOTAL		***GH ¢***		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	BILL NO. 3 (3-UNIT NURSES QUARTERS)				
	SUBSTRUCTURE (ALL PROVISIONAL)				
	Site Preparation				
A	Clear site of all bush and undergrowth and dispose from site	279	m^2		
B	Cut off trees girth exceeding 2.0m girth	10	Nr		
C	Excavate oversite to remove topsoil average 150mm deep	279	m^2		
	Excavation and Earthworks				
D	Excavate trench not exceeding 1.50 meters deep commencing 150mm below ground level	52	m^3		
E	Excavate pit for columns not exceeding 1.5 metres deep ditto	18	m^3		
F	Return, fill in and well ram selected excavated material around foundation	8	m^3		
F1	Excavate trench for Concrete Ramp not exceeding 0.75mm deep	8	m^3		
	Hardcore as described, spread, levelled and well rammed and consolidated				
G	Filling in layers not exceeding 600mm thick in making up level up under floors	125	m^3		
	Concrete Works				
H	50mm Plain in-situ concrete (1:4:8-20mm aggregate) as describrd bed spread and levelled as blinding	1	m^3		
J	Plain in-situ concrete (1:3:6-40mm aggregate as described foundation in trenches: Foundation	13	m^3		
J1	Concrete ramp	1	m^3		
J2	100mm thick floor bed	22	m^3		
	To Collection				
	Reinforced in-situ vibrated concrete (1:2:4-20mm aggregate) as described filled into formwork and packed around reinforcement (both measured separately)				
K	Column base	5	m^3		
L	Column	2	m^3		
M	Ground beam	6	m^3		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	REINFORCEMENT				
	Supply and fix as described the following mild steel round bar reinforcement with and including all necessary binding wire:				
M	12mm Diameter bars in column base (Mat)	276	Kg.		
N	12mm Diameter bars in ground beam	409	Kg.		
N	12mm Diameter bars in column	160	Kg.		
P	8mm Diameter bars as links and stirrups	155	Kg.		
	FORMWORK				
	Sawn formwork as described to:				
Q	Vertical side of column	12	m²		
R	Vertical side of ground bean	77	m²		
S	Edge of bed 150mm wide	55	m		
	BLOCKWORK				
S	150mm Solid sandcrete blockwork in cement mortar (1:4) described	90	m^2		
	PLASTERING				
T	20mm Cement and sand render to wall	17	m^2		
U	Dieldrex anti-termite treatment to foundations		Item		
	PAINTING				
V	Prepare and apply three coats of emulsion point on rendered wall	17	m^2		
	To Collection				
	COLLECTIONS *Page 1* *Page 2*				
	SUBSTRUCTURE CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUPERSTRUCTURE				
	CONCRETE WORK				
	Reinforced in-situ vibrated concrete (1:2:2-20mm aggregate) as described filled into formwork and around reinforement (both measurered separately)				
A	Horizontal beam	6	m^3		
B	Column	3	m^3		
	CONCRETE WORK CARRIED TO SUMMARY		***GH₵***		
	REINFORCEMENT				
	Supply and fix as described the following mild steel round bar reinforement with and including all necessary binding wire				
C	12mm Diameter bars in column	277	Kg.		
D	12mm Diameter bars in beam	465	Kg		
E	8mm Diameter bars in stirrups	187	Kg.		
	REINFORCEMENT CARRIED TO SUMMARY		***GH₵***		
	FORMWORK				
	Sawn formwork as described to:				
F	Vertical sides of column	33	m^2		
G	Sides of horizontal beam	58	m^2		
H	Props and braces to support beam and column	17	m		
	FORMWORK CARRIED TO SUMMARY		***GH₵***		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	BLOCKWORK				
	Solid sandcrete blockwork in cement mortar(1:4) as described in				
A	150mm Wall	312	m^2		
	BLOCKWORK CARRIED TO SUMMARY		**GH₵**		
	ROOFING				
	0.4mm Gauge Corrugated Aluminium deep troughed trapezoidal roof sheeting as manufactured by Messrs Ghana Aluminium Products				
A	Roof Sheeting	245	m^2		
B	Hip Cap	34	m		
C	Ridge Cap	14	m		
D	Rain gutter	80	m		
	ROOFING CARRIED TO SUMMARY		**GH₵**		
	CARPENTRY				
	Sawn hardwood treated with solignum in all surfaces				
A	50mm x 150mm Rafters	205	m		
B	50mm x 150mm Tie Beam	165	m		
C	50mm x 150mm Wall Plate	80	m		
D	50mm x 150mm Hip rafters	40	m		
E	50mm x 150mm Purlins	415	m		
F	50mm x 150mm King Post	25	m		
G	50mm x 150mm Vertical and Diagonal Struts	135	m		
H	50mm x 50mm Ceiling joist and noggins	292	m		
	Wrought Treated Harwood -				
J	25mm x 250mm fascia Board	80	m		
	Mild steel rods cut into lengths and threaded through hardwood into all windows				
K	16mm diameter horizontally.	175	m		
	CARPENTRY WORKS CARRIED TO SUMMARY		**GH₵**		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	JOINERY/ METAL WORKS				
	Doors				
	Wrought hardwood as described				
A	Flush door 100mm wide intermediate rails, 200mm thick wide bottom rail 20mm thick wooden panel; 900 x 2100 x 45mm	6	No		
	FLUSH DOOR;				
B	Ditto 750 x 2100 x 45mm	3	No		
C	***Single China Security door*** complete; 900 x 2050	3	No.		
D	***Double China Security door*** complete; 1200 x 2050	1	No.		
	FRAMES				
	Windows				
D	50 x 150mm Wrot hardwood frame, treated with preservative	115	m		
	Doors				
E	50 x 150mm Wrot hardwood frame, treated with preservative	45	m		
	Fillet, etc.				
G	Window stops	37	m		
H	Door battens	45	m		
	Ironmongery				
	Supply and fix the following ironmongery to hardwood with matching screws				
J	Approved Mortice lockset with level handle furniture 225mm	9	No		
K	Pair 100mm Brass butt hinges	18	No		
	GLAZING				
	STANDARD UNITS				
	"Naco" louvre carriers; fixing to hardwood frames with screws to match.				
M	Pair Louvre carriers 1125mm long with clips for 8No. 150mm blades and dual control	48	No		
P	Pair Louvre carriers 550mm long with clips for 4No. 150mm blades and dual control	6	No		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Sundries				
Q	Obscure glass louvre blade cut into sizes long with slightly rounded edge and fixed in metal clips	204	No		
R	Aluminium or other equal approved mosquito proof net fixed with hardwood beads (measured separately)	28	m²		
S	Square Wire mesh	28	m²		
	JOINERY/METAL WORKS CARRIED TO SUMMARY		***GH₵***		
	PLUMBING WORKS				
	Sanitary Fixtures				
	Waste pipework				
	Unplasticized PVC pipework and fittings to BS4514:1969 buried in blockwork or fixed to blockwork with PVC clips				
A	40mm diameter pipe	18	m		
B	Extra for 40mm bend	11	No		
C	Extra for 40mm tee	6	No		
D	Extra for 40mm bottle trap	7	No		
E	Extra for 38mm floor drain	8	No		
	Soil and vent pipework				
	Unplasticized PVC pipework and fittings to BS4514:1969 buried in blockwork or fixed to blockwork with PVC clips				
F	100mm diameter waste/vent pipe supported with pipe clips at 1200mm centres	9	m		
G	100mm diameter pipe in concrete bed	14	m		
H	100mm diameter elbow	9	No		
J	Extra for 100 mm bend	6	No		
K	Extra for 100 mm tee	8	No		
L	100mm copper wire baloon grating fixed on top of vent	7	No		
	Cold water Installation				
	UPVC pipework built into chases in blockwork				
A	25mm diameter pipe	8	m		
B	25mm diameter bend	7	No		
C	25mm - 12mm diameter tee	7	No		
D	25mm - 12mm reducer	4	No		
E	25mm - 12mm reducer bend	2	No		

ITEM	DESCRIPTION	QTY	UNIT	*RATE*	*AMOUNT*
	Cold water Installation (Contd) *UPVC pipework built into chases in blockwork*				
F	12mm diameter pipe	19	m		
G	12mm diameter bend	11	No		
H	12mm diameter tee	11	No		
J	12mm diameter faulcet socket	14	No		
K	12mm screw down stop cock	2	No		
L	Flexible tube	19	No		
M	Twyford or approved equivalent,white vitreous china WC suite comprising the following: I) WC pot with P or S trap. ii) Cistern, 7.5 litre capacity iii) Valve fitting with plastic syphon and support iv) Inlet & outlet connections. v) Plastic seat and cover.	3	No		
N	Twyfords semi-oval vitreous china white wash hand basin with the following: I) Plastic bottle trap ii) 12mm chromium plated taps. iii) 32mm chain waste with overflow slot iv) Size approx. 560 x 400mm semi oval, fixed to wall with concealed brackets.	3	No		
A	150mm long toilet roll holder	3	No		
B	Soap tray	3	No		
	Accessories for the PWD Toilets *Supply and fix the following chrome coated galvanised steel accessories*				
C	25mm diameter Vertical grabrail 450mm long	4	No		
D	Ditto; - Drop-down (hinged) rail 625mm long	1	No		
E	Ditto; - horizontal grabrail 600mm long	1	No		
F	Ditto; - Pull rail fixed to door 600mm long	1	No		
G	Shower fiitngs complete	3	No		
	PLUMBING WORKS CARRIED TO SUMMARY		***GH₵***		

ITEM	*DESCRIPTION*	*QTY*	*UNIT*	*RATE*	*AMOUNT*
	ELECTRICAL INSTALLATION *Supply, install, test and commission the following electrical works:* *LV Distribution* *PVC heavy guage conduit pipe* *Lay PVC conduit pipes in chases in blockwork, or in floor screed or concrete floor or through ceiling.*				
A	50mm diameter	30	LM		
	Cables				
B	Lay 2x16mm² PVC cable in conduit	20	LM		
	Copper Earthing components				
C	16mm² green/yellow copper earthwire drawn in to condu	30	LM		
D	20mm diameter 1.5m long earthrod with clamp driven in to Furse or equal	5	No.		
E	1m long air terminal complete; **Furse** or equal	2	No.		
F	3mmx25mm copper tape, clips and clamps	15	m		
	LV Switchgear and Distribution Boards				
G	100A Double pole and neutral moulded case circuit breaker (MCCB) complete with earthbar and enclosure; **Crabtree** or equal.	1	No.		
H	12-way 100A 230V, SPN flush mounted **memshield** distribution board incorporating: 100A SPN Isolator incomer 6Nos. 6A SP MCB outgoing 2Nos. 20A SP MCB outgoing 4Nos. 32A SP MCB outgoing	1	No.		
	General lighting and fans *PVC heavy guage conduit and fittings*				
J	20mm diameter straight conduit in chases in block work or in floor screed or in concrete floor or in ceiling	500	LM		
K	Circular boxes	28	No.		
L	75mmx75mmx35mm rectangular flush steel boxes	18	No.		

ITEM	*DESCRIPTION*	*QTY*	*UNIT*	*RATE*	*AMOUNT*
	PVC Insulated cable, single core stranded copper conductors 1.5mm² cable drawn in to conduit				
M	Red insulation	500	LM		
N	Black insulation	500	LM		
P	Green/yellow insulation	500	LM		
	Fittings				
	Supply and install the following lighting fittings complete with bulbs and tubes including all connections				
A	8W, 230V Energy saving light complete (internal)	9	No.		
B	18W, 230V Energy saving light complete (internal)	3	No.		
C1	20W, 230V Energy saving light complete (external)	6	No.		
C	230V, 1420mm (56in) sweep ceiling fan with regulator **Indian Crompton** or equal	6	No.		
	Accessories				
D	5A single pole flush plate switches 1-gang 1-way; **MEM** or equal	12	No.		
	General power				
	Final Circuits 230V, 13A Switch Socket Outlet for General Power				
E	20mm diameter PVC rigid conduit laid in chases in block work or in floor screed or in concrete floor	300	LM		
F	2.5mm² PVC red and black insulated single core copper cable drawn in to conduit	600	LM		
G	133mmx75mmx35mm flush steel conduit boxes	21	No.		
H	2.5mm² green/yellow copper cable drawn into conduit	300	LM		
J	13A, 230V twin (2-gang) switch socket outlet **MEM** or equal	7	No.		
	Final Circuits 230V 20A Double Pole switch for airconditioner				
K	20mm diameter PVC rigid conduit laid in chases in bloc work or in floor screed or in concrete floor, beam or column or in ceiling	20	m		
	PVC insulated cable single core stranded copper conductors 4.0mm² cable drawn into conduit				
L	Red insulation	20	m		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
M	Black insulation	20	m		
N	Yellow/Green insulation	20	m		
P	75mmx75mmx35mm flush steel conduit boxes	1	No		
Q	20A, 230V DP switch marked air conditioner/hand dryer/Water heater	1	No		
R	Include the Provisional sum of ***Fifteen Thousand Ghana Cedis (GH¢15,000.00)*** for connection to electricity mains Including acquisition of meter for each nurses quarters		Sum		15,000.00
	ELECTRICAL WORKS CARRIED TO SUMMARY		***GH¢***		
	PLASTERWORK AND OTHER FLOOR,WALL AND CEILING FINISHES				
	25mm thick cement sand render on blockwork, beam and column				
A	Plastering	690	m^2		
	K.LINING / SHEATING / DRY PARTITIONING				
B	Plywood Ceilings,10mm thickness to ceilings,width not exceeding 300mm fixing to timber includng the eaves	209	m^2		
C	Ceiling battens	277	m		
	Beds and backings				
	Cement and sand (1:3) as described on floor to receive floor tiles				
D	50mm level paving, trowelled smooth	197	m^2		
E	400 x 400 x 12mm porcelain floor tiles porcelain laid basement floor	197	m^2		
	Beds and Backings				
	Cement and sand (1:3) as described 12mm screeded backing to receive				
F	Wall tiles (measured separately)	50	m^2		
G	400 x 250 x 12mm porcelain wall tiles laid on walls in washrooms and kitchen	50	m^2		
H	Tile Skirting 600mm x 600mm x 10mm	105	m		
	PLASTERWORK AND OTHER FLOOR,WALL AND CEILING CARRIED TO SUMMARY		***GH¢***		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	PAINTING				
	Prepare surface and apply one coat emulsion paint and two full coats of 'Vinyl Deluxe' or approved equal quality emulsion paint on				
A	General surfaces, rendered concrete and block walls girth > 300mm	575	m²		
B	Ditto Ceiling and ceiling eaves	209	m²		
	Knot, prime, stop and apply undercoats and one finishing coat, gloss 'Deluxe' oil paint on				
C	General surfaces, wrot hardwood, girth > 300mm	55	m²		
	PAINTING CARRIED TO SUMMARY		***GH₵***		
	FURNISHES				
A	Wooden Carpenter Bed	3	No.		
B	Queen size Mattress for bed	3	No.		
	FURNISHES CARRIED TO SUMMARY		***GH₵***		

ITEM	DESCRIPTION	QTY	UNIT	*RATE*	*AMOUNT*
	Substructure				
B	***Superstructure***				
B1	Concrete Works				
B2	Reinforcement				
B3	Formwork				
B4	Blockwork				
B5	Roofing Works				
B6	Carpentry				
B7	Joinery				
B8	Plumbing Installations				
B9	Electrical Installations				
B10	Finishing Works				
B11	Painting				
B12	Furnishes				
	TOTAL		***GH¢***		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	BILL NO. 4 - EXTERNAL WORKS (CHPS COMPOUND & NURSES QUARTERS)				
	DRAIN CONSTRUCTION				
	Earthwork				
A	Trench excavation of foundation trench depth not exceeding 0.675m	30	m^3		
B	Backfilling around drain walls	8	m^3		
C	Remove excess excavated materials from site	22	m^2		
	Blockwork				
D	150mm thick sancrete bockwork laid in one side to form the drain on the side of the apron	25	m^2		
	Concrete Works				
E	100mm thick in-situ mass concrete (1:6) in foundation and base of drain	9	m^2		
	Rendering				
K	16mm thick cement and sand screed (1:6) inside the base of drain	30	m^2		
L	Ditto: Top and vertical sides of drain wall	37	m^2		
	DRAINS				
	APRONS				
A	Excavate trench for blockwork for apron width not exceeding 0.30m and depth not exceeding 0.675m	19	m^2		
B	Filling to make compacted level to receive aprons concrete width 0.6m	30	m^3		
C	100mm thick in situ Concrete (1:6) to form aprons width 0.60m	6	m^3		
D	Concrete in foundation	6	m^3		
E	150mm thick sancrete bockwork laid in foundation to form apron	80	m^2		
D	Sawn formwork to edges of apron concrete collection	95	m		
	APRONS				
	WASTE DISPOSAL SYSTEM *(Septic Tank (2.7m x 3.6m x 3m(depth) and Inspection Chambers)*				
	Excavation and Earthwork				
A	Prepare site for pit excavation	76	m^3		
B	Excavate pit for septic tank with maximum depth not exceeding 3.0 meters including extra overs	60	m^3		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Backfilling				
C	Backfill with previously excavated materials	14	m^3		
D	Remove excess excavated material from site	46	m^3		
	Concrete works				
E	Plain in- situ concrete grade C20/30 as base slab 150mm thick	4	m^3		
F	Reinforced in-situ vibrated concrete grade C20/30 100mm thick as pit suspended slab	4	m^3		
G	Ditto:100mm thick cover slab 450mm×450mm including steel handles and accompanying formwork	6	No.		
	Reinforcement				
H	12mm diameter deformed mild steel bars cut and arranged in an approved pattern as described in suspended slab	215	kg		
A	Sawn formwork as descibed in the soffit and sides of slab	42	m^2		
	Blockwork				
B	200mm thick solid sandcrete blockwork in cement and sand mortar (1:6) in pit.	100	m^2		
	Finishing				
D	20mm thick cement and sand render on vertical faces of blockwork	90	m^2		
	Inspection Chambers				
E	750mm× 750mm blockwall inspection chamber with benched concrete base including all necessary plasterwork and cover slabs	8	No.		
	WASTE DISPOSAL SYSTEM				
	FENCE WALL (ACCOMODATION)				
	Excavation and Earthwork				
A	Excavate foundation trench not exceeding 1.50m deep commencing from stripped level	13	m^3		
B	Excavate pit for column bases not exceeding 1.50m deep commencing at stripped level	5	m^3		
C	Backfilling and well ramming selected excavated materials around foundation and well compacted to consolidate	4	m^3		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	CONCRETE WORK				
	Plain insitu concrete 1:3:6-44mm aggregate -				
E	Foundations	2	m³		
	Reinforced in-situ concrete (1:3:6-19mm Aggregate) mix in: -				
F	Column base	1	m³		
G	Decorative Columns	1	m³		
	Reinforcements				
H	Mild Steel round bar reinforcement -				
J	12mm Diameter in column	55	kg		
K	12mm Diameter in column bases	50	kg		
L	8mm Diameter in columns as stirrups	15	kg		
	FORMWORK -				
	Sawn formwork to: -				
M	Sides of column	18	m²		
	BLOCK WORK				
	Solid sandcrete blockwork in cement and sand mortar (1:4) in:				
N	150mm Thick wall	30	m²		
	FINISHING				
	19mm Thick cement and sand mortar (1:4) -				
U	Wall	55	m²		
V	Columns	13	m²		
	PAINTING AND DECORATING -				
	Prepare, seal and apply three coats of emulsion paint on: -				
W	Walls	55	m²		
X	Columns	13	m²		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	METAL WORKS				
A	Supply and fix mild steel/wrought iron balusters in decorative columns at the main entrance, 20mm square x 1200mm high spaced at 100mm. Balusters welded to 50mm x 25mm top and bottom mild rails. Include all welding, grinding smooth, one coat red oxide primer and two enamel oil paint finish	115	m		
B	50mm and 25mm size galvanised steel square pipes cut to lengths and fabricated to architect's specifications to form gate size 3000 (width) x 1800 (height) as per drawing, welded into decorative columns including all necessary painting, fittings and locks		Item		
	FENCE WALL				
	FENCE WALL (CHPS & ACCOMMODATION COMPOUND)				
	Excavation and Earthwork				
A	Excavate foundation trench not exceeding 1.50m deep commencing from stripped level	15	m³		
B	Excavate pit for column bases not exceeding 1.50m deep commencing at stripped level	7	m³		
C	Backfilling and well ramming selected excavated materials around foundation and well compacted to consolidate	6	m³		
	CONCRETE WORK				
E	Plain insitu concrete 1:3:6-44mm aggregate - Foundations	3	m³		
	Reinforced in-situ concrete (1:3:6-19mm Aggregate) mix in: -				
F	Column base	1	m³		
G	Columns	1	m³		
	REINFORCEMENT				
	Mild Steel round bar reinforcement -				
H	12mm Diameter in column	60	kg		
J	12mm Diameter in column bases	56	kg		
K	8mm Diameter in columns as stirrups	20	kg		
	FORMWORK -				
	Sawn formwork to: -				
L	Sides of column	23	m²		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	BLOCK WORK				
	Solid sandcrete blockwork in cement and sand mortar (1:4) in:				
N	150mm Thick wall	40	m²		
	FINISHING				
	19mm Thick cement and sand mortar (1:4) -				
U	Wall	59	m²		
V	Columns	19	m²		
	PAINTING AND DECORATING -				
	Prepare, seal and apply three coats of emulsion paint on: -				
W	Walls	60	m²		
X	Columns	21	m²		
	METAL WORKS				
A	Supply and fix mild steel/wrought iron balusters in decorative columns at the main entrance, 20mm square x 1200mm high spaced at 100mm. Balusters welded to 50mm x 25mm top and bottom mild rails. Include all welding, grinding smooth, one coat red oxide primer and two enamel oil paint finish	125	m		
B	50mm and 25mm size galvanised steel square pipes cut to lengths and fabricated to architect's specifications to form gate size 3600 (width) x 1800 (height) mm as per drawing, fixed to wall with and including all necessary painting, fittings and locks	1	No.		
C	Supply and fixed galvanized steel plate gate of size 1800 x 900mm and fixed into the fence wall	1	No.		
	FENCE WALL SUMMARY		***GH₵***		
	PAVED CONCRETE AREA WITH KERBS AND CHIPPINGS				
	Site Preparation				
A	Prepare surface to receive plain in situ concrete	101	m²		
	Earthworks				
B	Excavate topsoil average 150mm deep and cart away	16	m^3		
C	Exacavate trench for kerb foundation 300mm x 300mm	19	m		
D	Filling with laterite, watering and compactiong 100mm thick	85	m²		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Concrete Works				
E	100mm thick mass concrete 1:2:4 (20mm stone) for paving with light broom finish	9	m^3		
	Kerbs				
F	Supply and lay precast concrete kerbs 600x250x125mm, bedded and haunced in 1:3:6 concrete	19	m		
G	Concrete haunching to kerbs 150mm x 100mm	19	m		
H	19mm Thick rough screeding on plain in situ concrete	85	m^2		
	Chippings				
A	20mm black stones or quarry chipping 50mm thick along the edge of the kerbs 20mm lower than the paved concrete so water can flow off		Item		
	PAVED TERAZZO AREA WITH KERBS AND CHIPPINGS				
	TERAZZO FLOOR FINISH FOR OPEN YARD OF THE NURSES QUARTERS AND THE COMPOUND				
	Beds and backings Cement and sand (1:3) as described on blockwork or concrete				
A	Polished in-situ terrazzo 20mm Level paving cast in bays not exceeding 1.00 sm between and including 3x25mm black ebonite dividing strips set vertically in screed	145	SM		
B	30mm Level bed	145	SM		
	TERAZZO FLOOR FINISH FOR OPEN YARD OF THE NURSES QUARTERS AND THE COMPOUND				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUMMARY				
	DRAINS				
	APRONS				
	WASTE DISPOSAL SYSTEM				
	FENCE WALL				
	PAVED CONCRETE AREA WITH KERBS AND CHIPPINGS				
	TERAZZO FLOOR FINISH FOR OPEN YARD OF THE NURSES QUARTERS AND THE COMPOUND				
	EXTERNAL WORKS TO SUMMARY		***GH₵***		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	BILL NO. 5 - DRILLING OF BOREHOLE				
	Mobilization and Demobilization (includes moving, setting out, maintaining and dismantling the drillling unit from the field and cleaning site				
A	Mobilization of vehicle to site	1	L/S		
B	Demobilization of vehicle	1	L/S		
C	Mounting and Demounting	1	BH		
	MOVEMENT				
D	Movement between work site	1	KM		
	Borehole Drilling to a finished diameter of 125mm				
	Including the application of appriopraite methodology of drilling (e.g. drilling, mud drilling ,reserve circulation drilling,water drilling etc.). Also includes drilling larger diameter pilot holes for the installation of recoverd and unrecoverd working and protection casing as well as installation of Bell Mouth				
E	Drilling through overburden and highly weathered rock	20	M		
F	Drilling through partially weathered to fresh crystalline, Consolidated, unconsolidated, any type of rock	50	M		
	BOREHOLE CONSTRUCTION *Including the supply and installation of centraliser, PVC Screens, gravels and gruot seals*				
G	Supply and install PVC plain pipes with centralisers to a finished diameter of 125mm	60	M		
H	Supply and install pvc slotted pipes(screens) with centralisers to finished diameter of 125mm	15	M		
J	Supply and place 2-4mm gravels, packed, as in design type A	55	M		
K	Supply cement,mix and place grout seal above gravel as in design type A	1	M		
L	Backfill annulus space above grout seal as design type	15	M		
M	Supply cement,mix and place grout seal above backfilll	4	M		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	BOREHOLE CONCRETE PAD				
N	Supply all materials and construct concrete pad on drilled borehole	1	L/S		
	INSTALLATION OF MECHANIZED PUMP				
Q	Procure and install 1.5 HP submersible pump	1	L/S		
R	Install 1" diameter hpde pipes	75	M		
S	Electrical cable of 6mm diameter	1	COIL		
T	Circuit breaker	1	L/S		
	Drilling and Mechanization of Borehole Carried to Summary		***GH₵***		
	POLYTANK WATER STAND				
	Excavation and Earthwork				
A	Excavate pits for tank stand not exceeding 1.50 starting from formation level	2	m³		
B	Backfill around foundation with selected excavated material well rammed in layers	1	m³		
C	Remove surplus excavated material from site	1	m³		
	Concrete work				
D	*Plain insitu concrete (1:4:8-19mm agg)as described in* Blinding	1	m³		
	Reinforced Concrete in situ vibrated concrete (1:2:4-19mm aggregate)as described in				
E	Column Base	1	m³		
F	Column	2	m³		
G	Slab	1	m³		
	Reinforcement				
	Rolled mild steel round bar reinforcement to BS 449 as described in:				
H	16mm diameter bar in column base	50	Kg		
J	16mm diameter bar in column	77	Kg		
K	12mm in Slab	70	Kg		
K1	10mm diameter as stirrups	25	Kg		
	Sawn formwork				
L	Sides of Column	32	SM		
M	Soffit and sides of slab	35	SM		
	Plastering				
P	To column, sides and soffit of slabs	28	SM		
	Polytank Stand Carried to Summary		***GH₵***		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	PLUMBING WORKS *(For Mechanical,Electrical, Plumbing Materials and Works)*				
C	3/4" Pipe	50	No.		
D	3/4" Bend	25	No.		
E	3/4" Tee	15	No.		
F	3/4" X 1/2" Reducer	15	No.		
G	1/2" Stop Cork	15	No.		
H	1/2" K 28	15	No.		
J	1" Air Valve	8	No.		
K	3/4" Union	2	No.		
L	1" Union	2	No.		
M	1" Bend	12	No.		
N	1" X 3/4" Reducer	2	No.		
P	1" Valve Socket	4	No.		
Q	S100	4	No.		
R	Tangent	2	No.		
S	3/4" X 1/2" Reducer Tee	15	No.		
T	1/2" Bend	15	No.		
U	1" Pipe	1	No.		
V	Silicon	1	No.		
W	1/2" Adaptor	16	No.		
X	Thread Seal Tape	10	No.		
Y	1/2" Pipe	12	No.		
A	Allow Provisional sum of ***GH¢ 6,000.00*** for the supply of ***Rambo 500*** Polytank		Item		6,000.00
	Plumbing Works Carried to Summary		***GH¢***		
	ELECTRICAL WORKS				
A	Allow a Provisional Sum of ***GH¢ 3,000.00*** for all Electrical works and Installation of Meter		Item		3,000.00
	Electrical Works Carried to Summary		***GH¢***		***3,000.00***
	DRILLING & MECHANIZATION OF BOREHOLE WITH CONCRETE POLYTANK STAND				
	Drilling and Mechanization *Concrete Polytank Stand* *Plumbing Works* *Electrical Works*				*3,000.00*
	Drilling oand Mechanization of Borehole with Concrete polytank Stand to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	GENERAL SUMMARY				
A	BILL NO. 1 - PRELIMINARIES				
B	BILL NO. 2 - CHPS COMPOUND				
C	BILL NO. 3 - 3-UNIT NURSES QUARTERS				
D	BILL NO. 4 - EXTERNAL WORKS				
E	BILL NO. 5 - DRILLING AND MECHANIZATION OF BOREOHLE WITH CONCRETE POLYTANK				
	SUB-TOTAL		**GH₵**		
	5% Contigency				
	TOTAL				