

**CONSTRUCTION OF 1NO 10-SETER WC FOR FEMALE STUDENTS OF VASEC - VAKPO
IN THE NORTH DAYI DISTRICT**

BILL No. 1 - PRELIMINARIES AND GENERAL CONDITIONS OF CONTRACT

ITEM	DESCRIPTION	QTY	UNIT	RATE GHC	AMT GHC
<u>BILL NO.1 PRELIMNARIES</u>					
<u>SPECIFIC REQUIREMENT</u>					
1	Performance Security	Item	1		
4	Setting out of works	Item	1		
<u>METHOD RELATED CHARGES</u>					
6	Allow for clearing of site on completion	Item	1		
8	Water for works	Item	1		
9	Allow for protection and watching	Item	1		
10	Provide for safety equipment clothing	Item	1		
BILL No. 1 CARRIED TO SUMMARY					

**CONSTRUCTION OF 1NO 10-SETER WC FOR FEMALE STUDENTS OF VASEC - VAKPO
IN THE NORTH DAYI DISTRICT**

ITEM	DESCRIPTION	QTY	UNIT	RATE GH¢	RATE GH¢
	<u>EXCAVATION AND EARTHWORK</u>				
	<u>SITE PEPARATION</u>				
A	Clear site of all bushes, scrub undergrowth cut down trees not exceeding 900mm girth and remove from site/ Demolishing of existing KVIP	89	Sm		
B	Excavate over site average 150mm deep to remove vegetable top soil and remove from site	89	Sm		
C	Cut down trees exceeding 600mm but not exceeding 900mm girth grub up roots and fill void with laterite		No		
D	Excavate foundation trench maximum depth not exceeding 1.5m deep commencing from stripped level	28	Cm		
E	Excavate pit for column bases not exceeding 1.5 deep	5	Cm		
F	Backfill selected excavated materials around foudation	9	Cm		
G	Remove surplus excavated materials from site	15	Cm		
	Hardcore filling				
H	Approved imported laterite filling well rammed and consolidated in 150mm layers under bed.	35	Cm		
	To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE GH¢	RATE GH¢
	<u>CONCRETE WORKS</u>				
A	Plain in-situ concrete (1:4:8-38mm aggregates) in 50mm blinding layer under pit	2	CM		
B	Plain insitu concrete (1:3:6-38mm aggregates) in Foundation trench	7	Cm		
C	Steps	1	Cm		
D	Plain insitu concrete (1:3:6-18mm aggregates) in 150mm Bed	13	CM		
E	150mm Ramp	1	Cm		
F	Reinforced insitu vibrated concrete (1:2:4-18mm aggregates) in Columns	1	Cm		
G	Column bases	1	Cm		
	<u>REINFORCEMENT</u>				
H	12mm diameter mild steel bar in column bases	68	Kg		
J	12mm ditto but in columns	72	Kg		
K	6mm ditto in columns as stirrups	13	Kg		
	To Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE GH¢	RATE GH¢
	<u>FORMWORK</u>				
	Sawn formwork in:				
A	Vertical sides of columns	7	Sm		
B	Steps/Ramp	2	Sm		
C	Edges of bed 150mm high	35	M		
	<u>BLOCKWORK</u>				
	Solid sandcrete blockwork in cement and sand (1:4) mortar in:				
D	150mm thick walls	86	Sm		
E	13mm cement and sand render (1:4) in wall	16	Sm		
	<u>PAINTING AND DECORATING</u>				
F	Prepare and apply 3 - coats of emulsion paint on rendered walls	16	Sm		
	To Collection				
	<u>COLLECTION</u>				
	Page No. 1				
	Page No. 2				
	Page No. 3				
	Carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE GH¢	RATE GH¢
	<u>SUPERSTRUCTURE</u>				
	<u>Concrete works</u>				
	Reinforced in situ vibrated concrete (1:2:4-18mm aggregates) in:				
A	Column	1	Cm		
B	Lintel	3	Cm		
	<u>REINFORCEMENT</u>				
C	12mm diameter mild steel round bar in columns	135	Kg		
D	12mm ditto in lintel	126	Kg		
E	6mm ditto in columns as stirrups	22	Kg		
F	6mm ditto in lintel as stirrups	110	Kg		
	<u>FORMWORK</u>				
G	Sawn formwork to vertical sides of columns	24	Sm		
H	Sides of lintel	28	Sm		
	Concretework carried to summary				
	<u>BLOCKWORK</u>				
M	125mm solid sandcrete blockwork in cement and sand (1:4) mortar in walls	129	Sm		
	Blockwork carried to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE GH¢	RATE GH¢
	<u>ROOFING</u>				
A	0.3mm gauge short span Alluminum short span roofing sheet cut to size and fixed to hardwood purlins 200mm side laps with galvalnizedaluminium screws and bituminous washers	91	Sm		
	Roofing carried to summary				
	<u>CARPENTRY</u>				
	<u>CARCASSING TIMBER</u>				
	Treated hardwood in:				
E	50 × 150mm Rafters	102	Lm		
F	50 × 100mm sprockets	85	Lm		
	<u>CARPENTERS METAL WORKS</u>				
G	275 × 76 × 6mm thick rectangular shape metal with oe end fishtailed cast into concrete and other once dilled for 19mm diameter rag both (measured separately)	25	No		
H	19mm diameter mild steel rag bolt 100mm long with nut and washers bolted to hardwood purlins (measured separately)	25	No		
	Carpentry carried to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE GH¢	RATE GH¢
	<u>JOINERY</u>				
A	44mm finished with hardwood lapping to all edges of panel doors (1200 × 2100mm)	2	No		
B	44mm finished with hardwood Door with lapping to all edges of panel doors (800 × 2100mm)	10	No		
	<u>WROT HARDWOOD</u>				
C	25 × 225mm fascia board	41	Lm		
E	50 × 150mm framed frames	96	Lm		
F	19 × 19mm door/window stops	19	Lm		
G	12 × 50mm windows battens	89	Lm		
	<u>IRONMONGERY</u>				
	Supply and fix the following ironmongery with screws to match:				
H	Pair 100mm brass butt hinges	10	No		
J	Mortice locks with level handle furniture (British make)	2	No		
K	150mm Barrel bolts	12	No		
L	Pair Naco louvre carriers 1125mm long with clips for 6No. 150mm wide blades with dual control		No		
M	Pair Naco louvre carriers 600mm long with clips for 6No. 150mm wide blades with dual control	36	Pcs		
N	Orient ceiling fans	1	NO		
	<u>METAL BURGLAR PROOF</u>				
L	16mm diameter mild steel bars cut to size and threaded through frames	60	Lm		
N	50 × 50mm welded mesh burglar proofing	9	Sm		
O	Fly proof wire gauze nailed to hardwood window frames with 13 × 50mm hardwood battens all inclusive.	9	Sm		
	Joinery carried to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE GH¢	RATE GH¢
	<u>PLUMBING ENGINEERING INSTALLATIONS</u>				
	<u>PIPE WORK</u>				
A	Include the provisional sum of GH ¢5000.00 for plumbing pipework to be expended in whole or in part as directed by the consultant		Item	5,000.00	5,000.00
	<u>SANITARY APPLIANCES</u>				
	<u>Supply and fix the following coloured sanitary appliances and equipment</u>				
B	"Twyford" or other equal and approved low level W.C suite complete with 9 litre ceramic cistern and brackets, plastic hinged seat, "S" or "P" trap pan including plugging and fixings to wall.	10	No		
C	Lavatory basin size 550 x 400mm with 32mm chromium plated waste fitting, pair of 19mm chromium plated pillar taps with brackets including plugged and fixing to wall	4	No		
D	Chromium plated toilet roll holder plugged and screwed to concrete or block wall		No		
E	Twyford urinal pot		No		
G	Include the provisional of GH¢5,000.00 for external pipe connection, Overhead PolyTank	Item		5,000.00	5,000.00

ITEM	DESCRIPTION	QTY	UNIT	RATE GH¢	RATE GH¢
A	<p><u>ELECTRICAL WORKS</u></p> <p>Include the prime cost of Five thousand Ghana Cedis (GH¢5,000.00) for Electrical, installation comprising lighting fittings, fee and accessories ECG connection fees, fire alarm and telephone installations and earthing systems</p> <p>Electrical carried to summary</p>	Item		5,000.00	5,000.00
B	<p><u>PLASTERWORK AND OTHER FLOOR FINISHINGS</u></p> <p>3mm ordinary plywood ceiling fixed to ceiling noggings (measured separately)</p>	18	sm		
C	13mm cement and sand (1:4) rendering as described on walls, columns and beams	301	Sm		
D	50mm cement and sand (1:3) motar as described in floor screed	65	Sm		
E	<p><u>Tiles:</u></p> <p>250 x 400 x 6mm white glazed ceramic wall tiles as described, fixed with cement and sand (1:3) on Baths wall backing.</p>	79	Sm		
F	<p><u>Beds and Backings:</u></p> <p>Cement and sand (1:3) as described in 19mm screeded backing finished to receive wall tiles</p>	79	Sm		
G	<p><u>Floor Tiles</u></p> <p>600x600mm floor tiles laid on screed backing screeding</p>	135	Sm		
H	Cement and sand (1:3) as described in 19mm screeded backing finished to floor tiles	135	Sm		
J	<p><u>EXTERNAL WORKS</u></p> <p>Allow a provisional sum of Fifteen Thousand Ghana Cedis (GH¢ 15,000.00) for Septic Tank</p> <p>External works carried to Summary</p>	item		15,000.00	15,000.00

ITEM	DESCRIPTION	QTY	UNIT	RATE GH¢	RATE GH¢
	<u>PAINING AND DECORATING</u>				
A	Prepare and apply 2 - coats of emulsion paint on Walls	306	Sm		
C	Prpare and apply 3 - coats of handgloss oil paint on: Hardwood general surfaces	18	Sm		
D	Fascia board	14	Sm		
E	Wall surfaces	61	sm		
	Painting and Decorating carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE GH¢	RATE GH¢
	<u>SUMMARY</u>				
	SUBSTRUCTURE				
	CONCRETE WORKS				
	BLOCK WORK				
	ROOFING				
	CARPENTRY				
	JOINERY				
	PLUMBING INSTALLATION				
	ELLECTRICAL WORKS				
	PLASTER WORK AND OTHER FLOOR FINISHINGS				
	EXTERNAL WORKS				
	PAINING AND DECORATING				
	COST OF 1NO. 10-SETER WC BUILDING				
	COST OF 2NO. 10-SETER WC BUILDING CARRIED TO GEN. SUMMARY				

ITEM	DESCRIPTION				AMT GHC
<u>GENERAL SUMMARY</u>					
BILL No.1	GENERAL CONDITIONS AND PRELIMINARIES.....		A		
BILL No. 2	CONSTRUCTION OF 10-SEATER		B		
TOTAL PRICE CARRIED TO FORM OF TENDERD=(A+B+C)					
SIGNED.....					
NAME.....					
DATE.....					