

ESTIMATED COST FOR PROPOSED MULTI-PURPOSE BUILDING PROJECT
FOR THE POTTERS VILLAGE, DODOWA - ACCRA

BLOCK 1: THREE STOREY CLASSROOM BLOCK

1) SUBSTRUCTURE (ALL PROVISIONAL)				GHS	USD
a) Site Clearance & Preparation	685	m ²	2.50	1,712.50	469.18
b) Excavation of Trench and Pit with other works	470	m ³	25.00	11,750.00	3,219.18
c) Plain Concrete in Foundation floor bed and blinding	150	m ³	450.00	67,500.00	18,493.15
d) Reinforced Concrete in Column Base and column	50	m ³	480.00	24,000.00	6,575.34
e) Solid Blockwork - Footing Courses	450	m ²	48.00	21,600.00	5,917.81
f) Hardcore Filling	235	m ³	35.00	8,225.00	2,253.42
g) Formwork to all Concrete work	168	m ²	32.00	5,376.00	1,472.88
h) Reinforcement bar for 16mm,12mm and 10mm	4300	kg	4.50	19,350.00	5,301.37
j) Damp Proof Material (DPM)	530	m ²	4.00	2,120.00	580.82
k) Steel fabric mesh	530	m ²	20.00	10,600.00	2,904.11
Sub-Total				172,233.50	47,187.26

2) SUPERSTRUCTURE (GROUND TO SECOND FLOOR)				GHS	USD
a) Reinforced Concrete in Beams and columns	104	m ³	480.00	49,920.00	13,676.71
b) Reinforced Concrete in Suspended Slabs & staircase	285	m ²	480.00	136,800.00	37,479.45
c) Reinforcement bar in 16mm,12mm and 10mm	25500	kg	4.50	114,750.00	31,438.36
d) Formworks to Concrete works	495	m ²	32.00	15,840.00	4,339.73
e) Panel & security doors, frames, locks, hinges, stops, battens,beads, fascia board		Item		15,000.00	4,109.59
f) Plastic T & G Ceiling	595	m ²	28.00	16,660.00	4,564.38
g) Aluminium roofing sheet and ridge capping	655	m ²	68.00	44,540.00	12,202.74
h) 50 x 150mm Rafter	710	m	11.50	8,165.00	2,236.99
j) 50 x100mm Purlin	950	m	9.00	8,550.00	2,342.47
k) 50 x 50mm Noggings and Hangers	2305	m	7.00	16,135.00	4,420.55
k) Aluminium louvre frames and blades with burglar proofing		Item		15,000.00	4,109.59
l) Balustrading at staircase and balcony		Item		12,000.00	3,287.67
m) Floor Tiling	175	m ²	68.00	11,900.00	3,260.27
n) Wall Tiling	52	m ²	35.00	1,820.00	498.63
q) Blockwork	2450	m ²	48.00	117,600.00	32,219.18
r) Provisional Sum for Plumbing & Electrical Installations		Item		50,000.00	13,698.63
s) Plastering	1950	m ²	8.00	15,600.00	4,273.97
t) Screeding	1350	m ²	16.00	21,600.00	5,917.81
u) Painting emulsion wall and soffit of slabs	2950	m ²	7.50	22,125.00	6,061.64
v) Painting Gloss oil	295	m ²	11.50	3,392.50	929.45
Sub-Total				697,397.50	191,067.81

CLASSROOM BLOCK TOTAL

869,631.00

238,255.07

BLOCK 2: TWO-STOREY CHAPEL/ ASSEMBLY HALL BLOCK

1) SUBSTRUCTURE (ALL PROVISIONAL)				GHS	USD
a) Site Clearance & Preparation	448	m ²	2.50	1,120.00	306.85
b) Excavation of Trench and Pit with other works	175	m ³	25.00	4,375.00	1,198.63
c) Plain Concrete in Foundation floor bed and blinding	85	m ³	450.00	38,250.00	10,479.45
d) Reinforced Concrete in Column Base and column	30	m ³	480.00	14,400.00	3,945.21
e) Solid Blockwork - Footing Courses	295	m ²	48.00	14,160.00	3,879.45
f) Hardcore Filling	250	m ³	35.00	8,750.00	2,397.26
g) Formwork to all Concrete work	195	m	32.00	6,240.00	1,709.59
h) Reinforcement bar for 16mm,12mm and 10mm	3850	kg	4.50	17,325.00	4,746.58
j) Damp Proof Material (DPM)	488	m ²	4.00	1,952.00	534.79
k) Steel fabric mesh	448	m ²	20.00	8,960.00	2,454.79
Sub-Total				115,532.00	31,652.60

2) SUPERSTRUCTURE (GROUND TO FIRST FLOOR)				GHS	USD
a) Reinforced Concrete in Beams and columns	58	m ³	480.00	27,840.00	7,627.40
b) Reinforced Concrete in Suspended Slabs & staircase	79	m ³	480.00	37,920.00	10,389.04
c) Reinforcement bar in 16mm,12mm and 10mm	11520	kg	4.50	51,840.00	14,202.74
d) Formworks to Concrete works	655	m ²	32.00	20,960.00	5,742.47
e) Panel and security doors, all frames, locks, hinges, stops, battens,beads, fascia board		Item		15,000.00	4,109.59
f) Plastic T & G Ceiling	495	m ²	28.00	13,860.00	3,797.26
g) Aluminium roofing sheet and ridge capping	512	m ²	68.00	34,816.00	9,538.63
h) 50 x 150mm Rafter	980	m	11.50	11,270.00	3,087.67
j) 50 x100mm Purlin	1350	m	9.00	12,150.00	3,328.77
k) 50 x 50mm Noggings and Hangers	2510	m	7.00	17,570.00	4,813.70
k) Aluminium louvre frames and blades with burglar proofing		Item		12,000.00	3,287.67
l) Balustrading at staircase and balcony		Item		12,000.00	3,287.67
m) Floor Tiling	630	m ²	68.00	42,840.00	11,736.99
n) Wall Tiling	125	m ²	35.00	4,375.00	1,198.63
q) Blockwork	805	m ²	48.00	38,640.00	10,586.30
r) Provisional Sum for Plumbing & Electrical Installations		Item		40,000.00	10,958.90
s) Plastering	1560	m ²	8.00	12,480.00	3,419.18
t) Screeding	95	m ²	16.00	1,520.00	416.44
u) Painting emulsion walls and soffit	2150	m ²	7.50	16,125.00	4,417.81
v) Painting Gloss oil	125	m ²	11.50	1,437.50	393.84
Sub-Total				424,643.50	116,340.68
CHAPEL/ ASSEMBLY HALL TOTAL				540,175.50	147,993.29

BLOCK 3: THREE-STOREY CAFETERIA/ COMPUTER LABORATORY

1) SUBSTRUCTURE (ALL PROVISIONAL)				GHS	USD
a) Site Clearance & Preparation	323	m ²	2.50	807.50	221.23
b) Excavation of Trench and Pit with other works	150	m ³	25.00	3,750.00	1,027.40
c) Plain Concrete in Foundation floor bed and blinding	75	m ³	450.00	33,750.00	9,246.58
d) Reinforced Concrete in Column Base and column	25	m ³	480.00	12,000.00	3,287.67
e) Solid Blockwork - Footing Courses	280	m ²	50.00	14,000.00	3,835.62
f) Hardcore Filling	195	m ³	35.00	6,825.00	1,869.86
g) Formwork to all Concrete work	168	m ²	32.00	5,376.00	1,472.88
h) Reinforcement bar for 16mm,12mm and 10mm	6500	kg	4.50	29,250.00	8,013.70
j) Damp Proof Material (DPM)	323	m ²	4.00	1,292.00	353.97
k) Steel fabric mesh	323	m ²	20.00	6,460.00	1,769.86
Sub-Total				113,510.50	31,098.77

2) SUPERSTRUCTURE (GROUND TO SECOND FLOOR)				GHS	USD
a) Reinforced Concrete in Beams and columns	45	m ³	480.00	21,600.00	5,917.81
b) Reinforced Concrete in Suspended Slabs & staircase	62	m ³	480.00	29,760.00	8,153.42
c) Reinforcement bar in 16mm,12mm and 10mm	15200	kg	4.50	68,400.00	18,739.73
d) Formworks to Concrete works	495	m ²	32.00	15,840.00	4,339.73
e) Panel and security doors, all frames, locks, hinges, stops, battens,beads, fascia board		Item		15,000.00	4,109.59
f) Plastic T & G Ceiling	385	m ²	28.00	10,780.00	2,953.42
g) Aluminium roofing sheet and ridge capping	325	m ²	68.00	22,100.00	6,054.79
h) 50 x 150mm Rafter	650	m	11.50	7,475.00	2,047.95
j) 50 x100mm Purlin	850	m	9.00	7,650.00	2,095.89
k) 50 x 50mm Noggings and Hangers	1550	m	7.00	10,850.00	2,972.60
k) Aluminium louvre frames and blades with burglar proofing		Item		15,000.00	4,109.59
l) Balustrading at staircase and balcony		Item		10,000.00	2,739.73
m) Floor Tiling	720	m ²	68.00	48,960.00	13,413.70
n) Wall Tiling	250	m ²	35.00	8,750.00	2,397.26
q) Blockwork	950	m ²	48.00	45,600.00	12,493.15
r) Provisional Sum for Plumbing & Electrical Installations		Item		40,000.00	10,958.90
s) Plastering	1650	m ²	8.00	13,200.00	3,616.44
t) Screeding	395	m ²	16.00	6,320.00	1,731.51
u) Painting emulsion - walls and soffit of slab	1950	m ²	7.50	14,625.00	4,006.85
v) Painting Gloss oil	225	m ²	11.50	2,587.50	708.90
Sub-Total				414,497.50	113,560.96

CAFETERIA/ COMPUTER LABORATORY TOTAL				528,008.00	144,659.73
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BLOCK 4: THREE-STOREY VOLUNTEERS' HOUSE

1) SUBSTRUCTURE (ALL PROVISIONAL)				GHS	USD
a) Site Clearance & Preparation	180	m ²	2.50	450.00	123.29
b) Excavation of Trench and Pit with other works	145	m ³	25.00	3,625.00	993.15
c) Plain Concrete in Foundation floor bed and blinding	48	m ³	450.00	21,600.00	5,917.81
d) Reinforced Concrete in Column Base and column	25	m ³	480.00	12,000.00	3,287.67
e) Solid Blockwork - Footing Courses	290	m ²	48.00	13,920.00	3,813.70
f) Hardcore Filling	125	m ³	35.00	4,375.00	1,198.63
g) Formwork to all Concrete work	155	m ²	32.00	4,960.00	1,358.90
h) Reinforcement bar for 16mm,12mm and 10mm	5220	kg	4.50	23,490.00	6,435.62
j) Damp Proof Material (DPM)	180	m ²	4.00	720.00	197.26
k) Steel fabric mesh	180	m ²	20.00	3,600.00	986.30
Sub-Total				88,740.00	24,312.33

2) SUPERSTRUCTURE (GROUND TO SECOND FLOOR)				GHS	USD
a) Reinforced Concrete in Beams and columns	55	m ³	480.00	26,400.00	7,232.88
b) Reinforced Concrete in Suspended Slabs & staircase	65	m ³	480.00	31,200.00	8,547.95
c) Reinforcement bar in 16mm,12mm and 10mm	18550	kg	4.50	83,475.00	22,869.86
d) Formworks to Concrete works	560	m ²	32.00	17,920.00	4,909.59
e) Panel and security doors, all frames, locks, hinges, stops, battens,beads, fascia board		Item		15,000.00	4,109.59
f) Plastic T & G Ceiling	210	m ²	28.00	5,880.00	1,610.96
g) Aluminium roofing sheet and ridge capping	285	m ²	68.00	19,380.00	5,309.59
h) 50 x 150mm Rafter	410	m	11.50	4,715.00	1,291.78
j) 50 x100mm Purlin	650	m	9.00	5,850.00	1,602.74
k) 50 x 50mm Noggings and Hangers	1020	m	7.00	7,140.00	1,956.16
k) Aluminium louvre frames and blades with burglar proofing		Item		12,000.00	3,287.67
l) Balustrading at staircase and balcony		Item		10,000.00	2,739.73
m) Floor Tiling	455	m ²	68.00	30,940.00	8,476.71
n) Wall Tiling	120	m ²	35.00	4,200.00	1,150.68
q) Blockwork	1280	m ²	48.00	61,440.00	16,832.88
r) Provisional Sum for Plumbing & Electrical Installations		Item		40,000.00	10,958.90
s) Plastering	2100	m ²	8.00	16,800.00	4,602.74
t) Screeding	450	m ²	16.00	7,200.00	1,972.60
u) Painting emulsion	2850	m ²	7.50	21,375.00	5,856.16
v) Painting Gloss oil	135	m ²	11.50	1,552.50	425.34
Sub-Total				422,467.50	115,744.52

VOLUNTEERS' HOUSE TOTAL				511,207.50	140,056.85
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BLOCK 5: THREE-STOREY GIRLS' DORMITORY

1) SUBSTRUCTURE (ALL PROVISIONAL)				GHS	USD
a) Site Clearance & Preparation	380	m ²	2.50	950.00	260.27
b) Excavation of Trench and Pit with other works	350	m ³	25.00	8,750.00	2,397.26
c) Plain Concrete in Foundation floor bed and blinding	95	m ³	450.00	42,750.00	11,712.33
d) Reinforced Concrete in Column Base and column	35	m ³	480.00	16,800.00	4,602.74
e) Solid Blockwork - Footing Courses	320	m ²	50.00	16,000.00	4,383.56
f) Hardcore Filling	198	m ³	35.00	6,930.00	1,898.63
g) Formwork to all Concrete work	80	m ²	32.00	2,560.00	701.37
h) Reinforcement bar for 16mm,12mm and 10mm	3980	kg	4.50	17,910.00	4,906.85
j) Damp Proof Material (DPM)	380	m ²	4.00	1,520.00	416.44
k) Steel fabric mesh	380	m ²	20.00	7,600.00	2,082.19

Sub-Total**121,770.00****33,361.64**

2) SUPERSTRUCTURE (GROUND TO SECOND FLOOR)				GHS	USD
a) Reinforced Concrete in Beams and columns	45	m ³	480.00	21,600.00	5,917.81
b) Reinforced Concrete in Suspended Slabs & staircase	72	m ³	480.00	34,560.00	9,468.49
c) Reinforcement bar in 16mm,12mm and 10mm	19500	kg	4.50	87,750.00	24,041.10
d) Formworks to Concrete works	450	m ²	32.00	14,400.00	3,945.21
e) Panel and security doors, all frames, locks, hinges, stops, battens,beads, fascia board		Item		12,000.00	3,287.67
f) Plastic T & G Ceiling	512	m ²	28.00	14,336.00	3,927.67
g) Aluminium roofing sheet and ridge capping	580	m ²	68.00	39,440.00	10,805.48
h) 50 x 150mm Rafter	750	m	11.50	8,625.00	2,363.01
j) 50 x100mm Purlin	1080	m	9.00	9,720.00	2,663.01
k) 50 x 50mm Noggings and Hangers	2015	m	7.00	14,105.00	3,864.38
k) Aluminium louvre frames and blades with burglar proofing		Item		13,000.00	3,561.64
l) Balustrading at staircase and balcony		Item		10,000.00	2,739.73
m) Floor Tiling	158	m ²	68.00	10,744.00	2,943.56
n) Wall Tiling	90	m ²	35.00	3,150.00	863.01
q) Blockwork	1980	m ²	48.00	95,040.00	26,038.36
r) Provisional Sum for Plumbing & Electrical Installations		Item		40,000.00	10,958.90
s) Plastering	2540	m ²	8.00	20,320.00	5,567.12
t) Screeding	1150	m ²	16.00	18,400.00	5,041.10
u) Painting emulsion - walls and soffit of slab	3150	m ²	7.50	23,625.00	6,472.60
v) Painting Gloss oil	185	m ²	11.50	2,127.50	582.88

Sub-Total**492,942.50****135,052.74****GIRLS' DORMITORY TOTAL****614,712.50****168,414.38**

BLOCK 6: THREE-STOREY BOYS' DORMITORY

1) SUBSTRUCTURE (ALL PROVISIONAL)				GHS	USD
a) Site Clearance & Preparation	380	m ²	2.50	950.00	260.27
b) Excavation of Trench and Pit with other works	350	m ³	25.00	8,750.00	2,397.26
c) Plain Concrete in Foundation floor bed and blinding	95	m ³	450.00	42,750.00	11,712.33
d) Reinforced Concrete in Column Base and column	35	m ³	480.00	16,800.00	4,602.74
e) Solid Blockwork - Footing Courses	320	m ²	50.00	16,000.00	4,383.56
f) Hardcore Filling	198	m ³	35.00	6,930.00	1,898.63
g) Formwork to all Concrete work	80	m ²	32.00	2,560.00	701.37
h) Reinforcement bar for 16mm,12mm and 10mm	3980	kg	4.50	17,910.00	4,906.85
j) Damp Proof Material (DPM)	380	m ²	4.00	1,520.00	416.44
k) Steel fabric mesh	380	m ²	20.00	7,600.00	2,082.19
Sub-Total				121,770.00	33,361.64

2) SUPERSTRUCTURE (GROUND TO SECOND FLOOR)				GHS	USD
a) Reinforced Concrete in Beams and columns	45	m ³	480.00	21,600.00	5,917.81
b) Reinforced Concrete in Suspended Slabs & staircase	72	m ³	480.00	34,560.00	9,468.49
c) Reinforcement bar in 16mm,12mm and 10mm	19500	kg	4.50	87,750.00	24,041.10
d) Formworks to Concrete works	450	m ²	32.00	14,400.00	3,945.21
e) Panel and security doors, all frames, locks, hinges, stops, battens,beads, fascia board		Item		12,000.00	3,287.67
f) Plastic T & G Ceiling	512	m ²	28.00	14,336.00	3,927.67
g) Aluminium roofing sheet and ridge capping	580	m ²	68.00	39,440.00	10,805.48
h) 50 x 150mm Rafter	750	m	11.50	8,625.00	2,363.01
j) 50 x100mm Purlin	1080	m	9.00	9,720.00	2,663.01
k) 50 x 50mm Noggings and Hangers	2015	m	7.00	14,105.00	3,864.38
k) Aluminium louvre frames and blades with burglar proofing		Item		13,000.00	3,561.64
l) Balustrading at staircase and balcony		Item		10,000.00	2,739.73
m) Floor Tiling	158	m ²	68.00	10,744.00	2,943.56
n) Wall Tiling	90	m ²	35.00	3,150.00	863.01
q) Blockwork	1980	m ²	48.00	95,040.00	26,038.36
r) Provisional Sum for Plumbing & Electrical Installations		Item		40,000.00	10,958.90
s) Plastering	2540	m ²	8.00	20,320.00	5,567.12
t) Screeding	1150	m ²	16.00	18,400.00	5,041.10
u) Painting emulsion - walls and soffit of slab	3150	m ²	7.50	23,625.00	6,472.60
v) Painting Gloss oil	185	m ²	11.50	2,127.50	582.88
Sub-Total				492,942.50	135,052.74

BOYS' DORMITORY TOTAL				614,712.50	168,414.38
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BLOCK 7: THREE-STOREY ADMINISTRATION BLOCK

1) SUBSTRUCTURE (ALL PROVISIONAL)				GHS	USD
a) Site Clearance & Preparation	305	m ²	2.50	762.50	208.90
b) Excavation of Trench and Pit with other works	198	m ³	25.00	4,950.00	1,356.16
c) Plain Concrete in Foundation floor bed and blinding	62	m ³	450.00	27,900.00	7,643.84
d) Reinforced Concrete in Column Base and column	25	m ³	480.00	12,000.00	3,287.67
e) Solid Blockwork - Footing Courses	250	m ²	48.00	12,000.00	3,287.67
f) Hardcore Filling	186	m ³	35.00	6,510.00	1,783.56
g) Formwork to all Concrete work	85	m ²	32.00	2,720.00	745.21
h) Reinforcement bar for 16mm,12mm and 10mm	2580	kg	4.50	11,610.00	3,180.82
j) Damp Proof Material (DPM)	305	m ²	4.00	1,220.00	334.25
k) Steel fabric mesh	305	m ²	20.00	6,100.00	1,671.23
Sub-Total				85,772.50	23,499.32
2) SUPERSTRUCTURE (GROUND TO SECOND FLOOR)				GHS	USD
a) Reinforced Concrete in Beams and columns	39	m ³	480.00	18,720.00	5,128.77
b) Reinforced Concrete in Suspended Slabs & staircase	78	m ³	480.00	37,440.00	10,257.53
c) Reinforcement bar in 16mm,12mm and 10mm	16500	kg	4.50	74,250.00	20,342.47
d) Formworks to Concrete works	485	m ²	32.00	15,520.00	4,252.05
e) Panel and security doors, all frames, locks, hinges, stops, battens,beads, fascia board		Item		12,000.00	3,287.67
f) Plastic T & G Ceiling	350	m ²	28.00	9,800.00	2,684.93
g) Aluminium roofing sheet and ridge capping	415	m ²	68.00	28,220.00	7,731.51
h) 50 x 150mm Rafter	615	m	11.50	7,072.50	1,937.67
j) 50 x100mm Purlin	950	m	9.00	8,550.00	2,342.47
k) 50 x 50mm Noggings and Hangers	1860	m	7.00	13,020.00	3,567.12
k) Aluminium louvre frames and blades with burglar proofing		Item		13,000.00	3,561.64
l) Balustrading at staircase and balcony		Item		10,000.00	2,739.73
m) Floor Tiling	506	m ²	68.00	34,408.00	9,426.85
n) Wall Tiling	152	m ²	35.00	5,320.00	1,457.53
q) Blockwork	920	m ²	48.00	44,160.00	12,098.63
r) Provisional Sum for Plumbing & Electrical Installations		Item		40,000.00	10,958.90
s) Plastering	1750	m ²	8.00	14,000.00	3,835.62
t) Screeding	420	m ²	16.00	6,720.00	1,841.10
u) Painting emulsion - walls and soffit of slab	2350	m ²	7.50	17,625.00	4,828.77
v) Painting Gloss oil	159	m ²	11.50	1,828.50	500.96
Sub-Total				411,654.00	112,781.92
ADMINISTRATION BLOCL TOTAL				497,426.50	136,281.23

GENERAL SUMMARY

	GHS	USD
PRELIMINARIES (Initial Site Set Up and Running Cost)	290,000.00	79,452.05
BLOCK 1: THREE STOREY CLASSROOM BLOCK	869,631.00	238,255.07
BLOCK 2: TWO-STOREY CHAPEL/ ASSEMBLY HALL BLOCK	540,175.50	147,993.29
BLOCK 3: THREE-STOREY CAFETERIA/ COMPUTER LABORATORY	528,008.00	144,659.73
BLOCK 4: THREE-STOREY VOLUNTEERS' HOUSE	511,207.50	140,056.85
BLOCK 5: THREE-STOREY GIRLS' DORMITORY	614,712.50	168,414.38
BLOCK 6: THREE-STOREY BOYS' DORMITORY	614,712.50	168,414.38
BLOCK 7: THREE-STOREY ADMINISTRATION BLOCK	497,426.50	136,281.23
EXTERNAL WORKS (Fencing and Gates, Pavement	500,000.00	136,986.30
TOTAL COST	4,965,873.50	1,360,513.29

ADDITIONAL COSTS	GHS	USD
PROVISION FOR CONTINGENCY (10% of Total Cost)	496,587.35	136,051.33
	5,462,460.85	1,496,564.62
INFLATION COST (5%)	273,123.04	74,828.23
CONSULTANCY FEE	273,123.04	74,828.23
TOTAL ESTIMATED COST OF PROJECT	6,008,706.94	1,646,221.08

PLEASE NOTE: 1 GHS = 3.65 USD