

**QUANTITATIVE ESTIMATE FOR THE CONSTRUCTION WORKS OF A BUILDING BELONGING TO :Fondation
Miséricorde Divine (divine mercy foundation) S/c Rev. Père Georges Roger Bidzogo**

N°	DESIGNATIONS	UNITE	QTY	U.P	TOTAL P.
PHASE I : CONCRETE WORKS					
I : SITE INSTALLATION					
1,1	Site installation (site office, storage and material)	ff	1,00	750 000	750 000
1,2	Site fence (Optionnel)	ff	1,00		PM
1,3	Site well with immerged water pump	ff	1,00	850 000	850 000
1,4	General Excavations	ff	1,00	850 000	850 000
1,5	Building layout	ff	1,00	550 000	550 000
TOTAL COST SITE INSTALLATION					3 000 000
II :DIGGERATIONS AND TRENCHES					
2,1	Excavations for footings	m3	38,50	3 200	123 200
2,2	Channel excavations for tie beams and stuffed blocks	m3	115,00	3 200	368 000
2,3	Backfill before paving	ff	1,00	150 000	150 000
TOTAL COST : DIGGERATIONS AND TRENCHES					641 200
III : LAYOUT AND FOUNDATION					
3,1	Clean concrete dosed at 200 kg/m3, thickness=4cm	m3	7,00	100 000	700 000
3,2	Reinforced concrete for footings, pole starters and tie beams dosed at 350 kg/m3	m3	20,28	160 000	3 244 800
3,3	Supply and mounting of 20X20X40 stuffed blocks for building foundation	m ²	254,00	12 500	3 175 000
3,4	Floor pavement 8 cm thick	m ²	485,50	7 500	3 641 250
3,5	200 µm polyane film for the retention of rising waters by capillarity	m ²	485,50	750	364 125
TOTAL COST LAYOUT AND FOUNDATION					11 125 175
IV : SEPTIC TANKS AND SUMPS					
4,1	Excavations for septic tank (5.3*1.9*2.0)	m3	43,70	5 000	218 500
4,2	Excavations for sumps (D=1,1m and H=10m)	m3	9,50	5 000	47 500
4,3	Excavations for manholes	m3	2,40	5 000	12 000
4,4	Clean concrete dosed at 250 kg/m3, thickness=0.08cm	m3	1,75	85 000	148 750
4,5	Plastered and waterproofed 15x20x40 cm stuffed blocks for septic tank	m ²	35,50	12 500	443 750
4,6	Reinforced concrete dosed at 350kgs/m3 for septic tank and sump.	m3	4,20	160 000	672 000
4,7	Reinforced concrete for manhole	U	11,00	22 000	242 000
TOTAL COST SEPTIC TANKS AND SUMPS					1 784 500
V: GROUND FLOOR					
GROUND FLOOR ELEVATION					
5,1	Reinforced concrete for columns, beams, lintels and window canopy decoration dosed at 350 kg/m3	m3	10,70	160 000	1 712 000
5,2	Supply and mounting of 10x20x40 blocks for basement elevations	m ²	78,50	6 000	471 000
5,4	Supply and mounting of 15x20x40 blocks for basement elevations	m ²	860,00	6 500	5 590 000
5,7	Reinforced concrete for uper floor hall 15 cm ep	m ²	0,00	24 000	0
TOTAL COST GROUND FLOOR					7 773 000
VI:FRAME AND ROOF					
Frame and roof					
8,1	0.28 mm Tray sheets	m ²	720,00	9 500	6 840 000
8,2	Accessories for tray sheets 0.28mm	ff	1,00	650 000	650 000
8,3	Dense and resinous wood for the framework	m3	5,10	250 000	1 275 000
8,4	Insecticide and fungicide treament for wood framework	ff	5,10	80 000	408 000
8,5	Gutter and accessories	ens	1,00	420 000	420 000
TOTAL COST FRAME AND ROOF					9 593 000
VII: ROOF WATERPROOFING					
ROOF WATERPROOFING					
7,1	Roof waterproofing	m ²	7,00	17 000	119 000
TOTAL COST ROOF WATER PROOFING					119 000

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VIII :GUTTERS AND WASTE EVACUATION					
8,1	Channel excavations for stringers for evacuation gutters	m3	110,00	5 000	550 000
8,2	Reinforced concrete for gutters and man holes dosed at 350 kg/m3	m3	39,60	150 000	5 940 000
TOTAL COST GUTTERS AND WASTE EVACUATION					6 490 000
TOTAL COST PHASE I : CONCRETE WORKS					40 525 875

PHASE I: TECHNICAL WORKS					
IX : ELECTRICITY (SHEATHING AND WIRING)					
SHEATHING AND WIRING					
9,1	Building grounding	ff	1,00	50 000,0	50 000
9,2	Ground floor sheathing including accessories (BD, box etc...)	ff	1,00	1 130 000,0	1 130 000
9,3	Ground floor wiring including accessories (BD, cabinet, etc.)	ff	1,00	1 115 000,0	1 115 000
TOTAL COST ELECTRICITY (SHEATHING AND WIRING)					2 295 000
X : PLUMBING (EVACUATION AND WATER SUPPLY)					
ALIMENTATION					
10,1	Water supply with polyethylene pipe (PPR) DN 32mm, 25mm, and 20mm GROUND FLOOR (Hot and cold)	ff	1,00	950 000,0	950 000
WASTE WATER EVACUATIONS and VALVES					
10,2	PVC pipes for Evacuation in tube including fittings and collars	ff	1,00	1 150 000,0	1 150 000
VALVES					
10,3	Shut-off valve DN:32, 25, 20, 12	ff	1,00	120 000,0	120 000
TOTAL COST PLUMBING (EVACUATION AND SUPPLY)					2 220 000
TOTAL COST TECHNICAL WORKS					4 515 000

RECAPITULATIF DES TRAVAUX DU GROS ŒUVRE ET LOT TECHNIQUE					
1	SITE INSTALLATION				3 000 000
2	DIGGERATIONS AND TRENCHES				641 200
3	LAYOUT AND FOUNDATION				11 125 175
4	SEPTIC TANKS AND SUMP				1 784 500
5	GROUND FLOOR				7 773 000
6	FRAME AND ROOF				9 593 000
7	ROOF WATERPROOFING				119 000
8	GUTTERS AND WASTE EVACUATION				6 490 000
9	ELECTRICITY (SHEATHING AND WIRING)				2 295 000
10	PLUMBING (EVACUATION AND WATER SUPPLY)				2 220 000
TOTAL COST CONCRETE WORKS					45 040 875

PHASE II : SECOND WORKS					
LOT XI : WOODEN, METALLIC and ALUMINUM JOINERY					
11,1	60x110 wrought iron windows	U	7,00	45 000	315 000
11,2	150x130 wrought iron windows	U	22,00	110 000	2 420 000
11,3	130x220 wrought iron doors	U	6,00	180 000	1 080 000
11,4	90x220 wrought iron doors	U	7,00	130 000	910 000
11,5	60x110 ALU glazed windows	U	7,00	55 000	385 000
11,6	150x130 ALU glazed windows	U	22,00	110 000	2 420 000

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N°	DESIGNATIONS	UNITE	QTY	U.P	TOTAL P.
11,7	130x220 ALU glazed doors	U	1,00	195 000	195 000
11,8	90x220 ALU glazed doors	U	2,00	125 000	250 000
11,9	Simple solid wood doors of 90x220	U	2,00	115 000	230 000
11,10	Single solid wood doors of 80x220	U	4,00	110 000	440 000
11,12	Single solid wood doors of 70x220	U	5,00	105 000	525 000
11,13	Wooden door joint covers	U	29,00	10 000	290 000
11,14	Wooden cupboard for wardrobes	U	8,00	175 000	1 400 000
11,15	Wooden cupboard for kitchen bench	U	1,00	250 000	250 000
TOTAL COST WOODEN, METALLIC and ALUMINUM JOINERY					11 110 000
LOT XII : CEILINGS AND TILES					
12,1	wooden paneling ceiling for iner room	m ²	199,00	8 500	1 691 500
12,2	Ceiling in smooth sheet metal for exteriocour	m ²	200,00	8 500	1 700 000
12,3	Cement floor screed 6 cm ep	m ²	485,50	3 000	1 456 500
12,4	20x30 wall tiles for kitchens and toilets	m ²	210,00	10 500	2 205 000
12,5	15x15 non-slip porcelain stoneware tiles for shower floors	m ²	35,00	10 500	367 500
12,6	40x40 porcelain stoneware tiles for floors	m ²	451,00	14 000	6 314 000
TOTAL CEILINGS AND TILES					13 734 500
LOT XIII : PAINTING					
13,1	Application of vinyl paint such as Pantex 800 on interior walls and ceilings	m ²	1 795,50	1 800	3 231 900
13,2	Application of vinyl paint such as Pantex 1300 on exterior walls	m ²	566,00	2 000	1 132 000
13,3	Glycero paint application on wood joinery	ff	1,00	150 000	150 000
13,4	oil paint application on matalic	ff	1,00	250 000	250 000
TOTAL COST PAINTING					4 763 900
LOT XIV : SANITARIES					
14,1	EQUIPMENT				
14.1.1	Hand washing	U	10,00	60 000	600 000
	* Self-closing mixer taps equipped with a continuous flow anti-blocking system,				
	* Chrome grid drain				
	* Chrome drain				
	* Deported PVC siphon				
	* Bindings				
* Finishing silicone seal					
14,2	2 SINK TANK				
14.2.1	Stainless steel sink 900 x 60 cm	U	5,00	150 000	750 000
	* Simple faucets, swivel spout, ceramic disc cartridges				
	* Chain and siphon drain				
	* Finishing silicone seal				

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N°	DESIGNATIONS	UNITE	QTY	U.P	TOTAL P.
14,3	<i>Complete toilet with accessories</i>	U	15,00	85 000	1 275 000
14,4	ACCESSORIES				
14.4.1	- Stainless steel paper dispenser fixing accessories	U	15,00	7 000	105 000
	- Liquid soap holder fixing accessories	U	10,00	7 000	70 000
	- Clothes rack and fixing accessories	U	6,00	12 500	75 000
	- Washbasin mirror 60 x 40 + fixing accessories	U	6,00	12 500	75 000
	- Shower column	U	6,00	25 000	150 000
	- Brush	U	24,00	5 000	120 000
	- Sink Shelf	U	1,00	25 000	25 000
	- 100 x 100 stainless steel floor drain	U	28,00	5 000	140 000
TOTAL COST : SANITARIES					3 385 000
LOT XV : ELECTRICITY - AIR CONDITIONING - WATER HEATER					
15,1	ELECTRICAL EQUIPMENT				
15.1.1	Control devices				
15.1.2	single ignition switch 10A/230 V	FF	1	600 000	600 000
15.1.3	double ignition switch 10A/230 V				
15.1.4	two-way switch 10A/230 V				
15.1.5	double back and forth switch 10A/230 V				
15.1.6	dimatic 10A/230 V				
15.1.7	push button with indicator 10A/230 V				
15.1.8	Lighting fixtures				
15.1.9	Strip 0,60 ml for parking	U	7,00	7 000	49 000
15.1.10	Strip 1.2 ml for parking	U	30,00	10 500	315 000
15.1.11	Hublot rond	U	15,00	15 000	225 000
15.2.1	Power outlets and air conditioning				
15.2.1	Supply and installation of 2.5 HP air conditioning	U	2	375 000	750 000
15.2.1	2p+E recessed socket	U	60	5 000	300 000
15.2.1	Sanitary applique	U	7	15 000	105 000
15.2.1	Recessed TV coaxial sockets	U	24	5 000	120 000
	PROTECTIVE EQUIPMENT AND ACCESSORIES				
15,3	Schneider differential circuit breakers, differential switches, remote switches, and lightning arresters	FF	1	300 000	300 000
TOTAL COST ELECTRICITY - AIR CONDITIONING - WATER HEATER					2 764 000
LOT XVI :FLOOR PAVING					
16,1	Excavation and soil leveling	m ²	108,00	2 500	270 000
16,2	Supply and laying paving stones	m ²	108,00	16 000	1 728 000
TOTAL COST PAVING					1 998 000
LOT XVII: BORE HOLE					
17,1	Borehole with water tank supply and connections	ff	1,00	3 800 000	3 800 000
17,2	Electric Generator	U	1,00	2 500 000	3 400 000
COUT TOTAL BOREHOLE					7 200 000
RECAPITULATIF DES TRAVAUX DU SECOND ŒUVRE					
11	WOODEN, METALLIC and ALUMINUM JOINERY				11 110 000
12	CEILINGS AND TILES				13 734 500
13	PAINTING				4 763 900
14	SANITARIES				3 385 000
15	ELECTRICITY - AIR CONDITIONING - WATER HEATER				2 764 000
16	FLOOR PAVING				1 998 000
17	BOREHOLE				7 200 000
COUT TOTAL DES TRAVAUX DU SECOND ŒUVRE					44 955 400

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	TOTAL COST	89 996 275
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