

**DUFATANYE ORGANIZATION**



**RWANDA - KIGALI**  
**SOUTHERN PROVINCE**  
**NYANZA DISTRICT**  
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**ESTIMATED BILL OF QUANTITIES FOR THE CONSTRUCTION OF A STORED BUILDING OF DUFATANYE ORGANIZATION LOCATED IN NYAMAGANA VILLAGE,**

No	DESIGNATION	UNITY	QTY	U.P	T.P
<b>I</b>	<b>Large works</b>				
1	Site Installation	ff	1,00	2.000.000	2.000.000
2	Site excavation and evacuation regardless of the deposit distance	ff	1,00	2.000.000	2.000.000
	<b>S/TOTAL</b>				<b>4.000.000</b>
<b>II</b>	<b>Ground floor</b>				
<b>II.1</b>	<b>Gros oeuvres</b>				
1	Excavation for foundtation trenches	cum	63,00	2.000	126.000
2	Excavation for Reinforced concrete foundation	cum	70,00	2.000	140.000
3	Blinding concrete under rubble stone masonry and reinforced concrete foundation	cum	5,00	100.000	500.000
4	Reinforced concrete foundation	cum	32,00	300.000	9.600.000
5	Rubble stone masonry for foundation bonded with cement mortar	cum	25,00	50.000	1.250.000
6	Sub-columns in reinforced concrete	cum	2,50	300.000	750.000
7	Reinforced concrete ground beam	cum	5,00	300.000	1.500.000
8	Columns in reinforced concrete	cum	8,20	300.000	2.460.000
9	DPM (roofing)	ml	66,00	2.000	132.000
10	Elevation of burned brick walls	cum	30,00	60.000	1.800.000
11	Reinforced concrete slab	cum	41,00	300.000	12.300.000
12	Reinforced concrete stairs	cum	2,10	300.000	630.000
13	Reinforced concrete beams	cum	36,00	300.000	10.800.000
	<b>Sub Total</b>				<b>41.988.000</b>
<b>II.2</b>	<b>Doors and Windows</b>				
1	Supply and installation of double metal doors with transom, glazed and with locks of first choice	pce	4,00	250.000	1.000.000
2	Supply and installation of large metal windows with glazed transom	pce	6,00	200.000	1.200.000
3	Supply and installation of small metal windows with glazed transom	pce	4,00	70.000	280.000
	<b>Sub Total</b>				<b>2.480.000</b>

<b>II.3</b>	<b>Finishing on Pavement and Walls</b>				
1	Under 15cm thick rubble stone pavement inside and sidewalk	sqm	280,00	10.000	2.800.000
2	Ordinary concrete pavement, 5cm thick + smooth cement	sqm	280,00	15.000	4.200.000
3	Smooth cement flooring inside 4 cm thick and colored in blue powder	sqm	280,00	8.000	2.240.000
4	Coating on interior wall , columns and lintels in cement mortar	sqm	250,00	4.500	1.125.000
5	12cm high cement mortar skirting for interior and exterior wall	sqm	254,00	4.000	1.016.000
6	Jointed on outside wall	sqm	74,00	14.000	1.036.000
	<b>Sub Total</b>				<b>12.417.000</b>
<b>II.4</b>	<b>Ceiling</b>				
1	Slab retouch	sqm	146,00	8.000	1.168.000
	<b>Sub Total</b>				<b>1.168.000</b>
<b>II.5</b>	<b>Painting</b>				
1	Silk paint on interior wall , lintel, column and slab	sqm	250,00	4.500	1.125.000
2	Oil emulsion paint on metal doors and windows	sqm	254,00	4.500	1.143.000
	<b>Sub Total</b>				<b>2.268.000</b>
	<b>TOTAL FOR GROUND FLOOR</b>				<b>65.689.000</b>
<b>III</b>	<b>FIRST FLOOR</b>				
<b>III.1</b>	<b>Large works</b>				
1	Columns in reinforced concrete	cum	7,20	300.000	2.160.000
2	Elevation of burned brick walls	cum	41,00	60.000	2.460.000
3	Reinforced concrete beams for lintel	cum	9,20	300.000	2.760.000
	<b>Sub Total</b>				<b>7.380.000</b>
<b>III.2</b>	<b>Doors and Windows</b>				
1	Supply and installation of double metal doors with transom, glazed and with locks of first choice	pce	4	250.000	1.000.000
2	Supply and installation of large metal windows with glazed transom	pce	6	200.000	1.200.000
3	Supply and installation of small metal windows with glazed transom	pce	4	70.000	280.000
4	90x210 Solid Wood Triplex Panel Door with HS Profile Steel Frame and All Accessories	pce	4	100000	400.000
5	90x210 Solid Wood Triplex Panel Door with HS Profile Steel Frame and All Accessories with transom	pce	4	120000	480.000
	<b>Sub Total</b>				<b>3.360.000</b>

<b>III.3</b>	<b>Finishing on Pavement and Walls</b>				
1	Coating on interior wall , columns and lintels in cement mortar	sqm	246,00	5.000	1.230.000
2	Smooth cement flooring inside 4 cm thick and colored in blue powder	sqm	280,00	8.000	2.240.000
3	12cm high cement mortar skirting for interior and exterior wall	ml	88,00	5.000	440.000
4	Jointed on outside wall	sqm	254,00	3.500	889.000
	<b>Sub Total</b>				<b>4.799.000</b>
<b>III.4</b>	<b>Ceiling</b>				
1	Red Triplex ceiling + wooden frame	sqm	166,00	7.000	1.162.000
2	Varnish on ceiling	sqm	166,00	3.000	498.000
	<b>Sub Total</b>				<b>1.660.000</b>
<b>III.5</b>	<b>Painting</b>				
1	Silk paint on interior wall , lintel, column and slab	sqm	250,00	5.500	<b>1.375.000</b>
2	Oil emulsion paint on metal doors and windows	sqm	254,00	4.500	<b>1.143.000</b>
	<b>Sub Total</b>				<b>2.518.000</b>
<b>III.6</b>	<b>ROOF STRUCTURES</b>				
1	Frame made of 60 * 40 metal tubes with anti-rust coating (see detail details on plans)	ml	450	7.500	3.375.000
2	Metal tube for roof purlins (40x40), with antirust paint	ml	520	5.000	2.600.000
3	BAP 28 BG with all attachment accessories. Color is customer's choice	sqm	280	7.500	2.100.000
4	Metal gutters with internal dimensions of client choice	ml	55	6.000	330.000
5	Metal edge board painted in anti-rust	ml	21	6.000	126.000
6	110Ø PVC downpipes all accessories included	ml	24	5.000	120.000
	<b>Sub Total</b>				<b>8.651.000</b>
	<b>TOTAL FOR FIRST FLOOR</b>				<b>28.368.000</b>

<b>IV ELECTRICAL INSTALLATION</b>					
1	LED lights	pce	16	10000	160.000
2	Single socket with earth 16A	pce	12	5000	60.000
3	SCH-6 switch	pce	8	8000	64.000
4	Single ignition switch 10 A	pce	16	4000	64.000
5	Power connection from the nearest pole	ml	200	6000	1.200.000
6	Supply and installation of 4x 6mm rigid cable for the connection of the divisional box and junction boxes	ml	100	500	50.000
7	U 1000 R2V 3G 2,5mm <sup>2</sup>	Ls	1	300000	300.000
8	U 1000 R2V 3G 1,5mm <sup>2</sup>	Ls	1	300000	300.000
9	Built-in boxes delivered according to the client's choice	pce	36	5000	180.000
10	Junction box 230x180x50	pce	12	5000	60.000
11	Divisional box of 12 built-in DB1 flushes, all necessary connection materials, including the DIN mounting rail and the lockable cover with the following breakers manufactured by LEGRAND or equivalent to: 25A, 20A, 16A, 10A.	pce	2	25000	50.000
12	Pipe sheaths in pvc 5/8	Ls	3	800000	2.400.000
13	Supply and install 9kg gas fire extinguisher + all accessories for firefighting	pce	4	120000	480.000
<b>Sub Total</b>					<b>5.368.000</b>
<b>V SANITATION AND FITTINGS</b>					
1	Supply and installation of toilet type MILANO or its equivalent, complete with all fixing accessories	pce	3	120000	360.000
2	Supply and installation of WC type MILANO or its equivalent, reserved for the disabled, complete with all fixing accessories	pce	1	300000	300.000
3	3/4 Galvanized Pipe Piping with All Fixing Accessories for People with Disabilities	Ls	1	150000	150.000
4	Supply and installation of a complete washbasin with all fixing accessories of good quality approved by the customer	pce	4	80000	320.000
5	PVC pipes 125, 110, 90 and 63 for evacuation	Ls	1	300000	300.000
6	Supply and installation of the toilet paper holder	pce	4	5000	20.000
7	Supply and installation of the soap holder	pce	4	5000	20.000
8	Supply and installation of urinal	pce	1	80000	80.000
	Plumbing and fittings	Ls	1	500.000	500.000
<b>Sub Total</b>					<b>2.050.000</b>
<b>TOTAL FOR HOUSING</b>					<b>101.475.000</b>

<b>VI</b>	<b>EXTERNAL WORKS</b>				
<b>VI.1</b>	<b>LAYOUT OF THE GARDEN</b>				
1	Preparation of the ground and supply of topsoil 10cm thick of good quality	sqm	500,00	500	250.000
2	Supply and spray of organic manure	sqm	500,00	200	100.000
3	Plantating of paspalum	sqm	500,00	300	150.000
4	Plantating of imikindo	pce	10,00	25.000	250.000
5	Flower planting in the garden and around the borders	ml	150,00	500	75.000
	<b>Sub Total</b>				<b>825.000</b>
<b>VI.2</b>	<b>PARKING LAYOUT AND FREE AIR</b>				
1	Preparation and finishing of the platform	sqm	200,00	1.000	200.000
2	Substrate layer in gravelly lateritic to a thickness of 15cm and its compaction	cum	50,00	8.000	400.000
3	Supply and laying of paving blocks	sqm	200,00	15.000	3.000.000
4	Supply and installation of unreinforced concrete edging	ml	80,00	10.000	800.000
	<b>Sub Total</b>				<b>4.400.000</b>
<b>VI.3</b>	<b>OPEN CHANNEL CONSTRUCTION (40*40)</b>				
1	Excavation for foundation	ml	100,00	2.000	200.000
3	Masonry walls of rubble with cement mortar + repointing thickness: 20cm	ml	100,00	12.000	1.200.000
4	Foundation raft thickness: 15cm + repointing	ml	100,00	6.000	600.000
5	Cement screed above walls	sqm	40,00	5.000	200.000
	<b>Sub Total</b>				<b>2.200.000</b>
<b>VI.4</b>					
1	Supply and installation of plastic tanks of 10m3	pce	2,00	1.600.000	3.200.000
2	Rubble bases with cement mortar + screed	pce	2,00	300.000	600.000
3	Fittings	Ls	1,00	100.000	100.000
	<b>S/Total</b>				<b>3.900.000</b>
<b>VI.5</b>	<b>CONSTRUCTION OF A SEPTIC TANK + SOACK AWAY PIT</b>				
1	Construction septinc tank for 100 persons with a reinforced concrete slab+ all accessories	pce	1,00	1.800.000	1.800.000
2	Soack pit of 15m of deth, 1m diam with a constructed upper ring in rubble stone masonry of 1.2 m of height covered with a reinforced concrete slab and filled with rocks for fillitration	pce	1,00	200.000	200.000
3	110 PVC pipes for ventilation	ml	18	3000	54.000
	<b>S/Total</b>				<b>2.054.000</b>
	<b>TOTAL FOR EXTERNAL WORKS</b>				<b>13.379.000</b>
	<b>TOTAL FOR THE WHOLE PROJECT</b>				<b>118.854.000</b>





