

COST BREAKUP

PROPOSED CONSTRUCTION OF NEW BUILDING ADMINISTRATION BLOCK

OFFICE OF SCHOOL COMPLEX AT MANYONI PARISH

DIOCESE OF SINGIDA

THE PROVINCIAL OF URSULINES SISTERS OF TILDONK

P.O. BOX 487 SINGIDA

TEL. +255-769 682 553

E-mail sylvialunga2005@gmail.com

ONE CLASSROOM

S/N	PARTICULAR	QTY	UNIT	RATE	AMOUNT
1	ELEMENT NO 1 SUBSTRUCTURE				
A	Excavations and earthworks				
	Site clearance of small tress grasses, undergrowth and the like including grabbing up their roots	240	cm	300.00	72,000.00
B	Excavate over site average 150mm deep to remove vegetable soil and remove away from site	240	cm	300.00	72,000.00
	Excavation				
C	Excavate foundation trenches starting from stripped level not exceeding 1.5m deep.	100	cm	3,000.00	360,000.00
D	Earth backfilling imported material around foundation well rammed and consolidated	120	cm	3,000.00	360,000.00
E	Compacted earth filling to make up levels under floors	90	cm	3,000.00	270,000.00
F	Remove surplus excavated materials away from site	70	cm	2,000.00	140,000.00
	Hard Core				
G	200mm thick bed leveled compacted and blinded to receive damp proof membrane (measured separated)	95	cm	3,000.00	285,000.00
H	Soil sterilization Adrian 0.5% solution applied at a rate 7 liters per square on hand core	95	cm	3,000.00	285,500.00
J	100mm thick bed Foundation footing	65	cm	10,000.00	650,000.00
K	230mm foundation walls	378	cm	5,000.00	1,890,000.00
	Damp proof course:				
	Hessian based bitumen damp proof course to BS743 type "54"				
L	230mm wide laid horizontally on block work	210	Lm	7,000.00	1,470,000.00
M	500mm gauge poly damp proof membrane laid horizontally over blinded laid core bed	210	cm	3,000.00	630,000.00

	(measured separately)				
	Finished				
N	12mm cement and sand (1:3) rendering to concrete or block wall, externally	210	cm	5,000.00	1,050,000.00
	Painting				
O	Prepare and apply two coats of black bitumen paint on rendered concrete or block wall surfaces, externally	100	cm	5,000.00	500,000.00
	Frame				
	Concrete Work				
	Reinforced in situ concrete grade 20 including vibrating around reinforcement				
P	Ring beam	5	cm	200,000.00	1,000,000.00
	Reinforcements				
	High tensile steel reinforcements to BS 4449,1969				
Q	12mm diameter bars	100	kg	10,000.00	1,000,000.00
R	8mm diameter bars	40	Kg	4,000.00	160,000.00
	Formworks				
S	Sawn softwood formwork				
	Vertical sides of ring beam and the like	40	cm	18,000.00	720,000.00
	Subtotal Substructure				10,910,000.00
	ELEMENT No. 2 WALLS				
	Pre cast concrete, grade 15 including hoisting to position bedding and painting in cement mortar (1:4)				
	Window cill:				
	300 x 75mm thick rebate weathered and throated window cill 900mm long finished fair all around	15	M3	7,000.00	105,000.00
	Block work				
	Solid concrete block to BS. 2028 type "A" in Cement mortar (1:3)				
U	150mm thick walls	420	cm	25,000.00	10,500,000.00
	Sub-Total of walls cost				10,605,000.00
	ELEMENT NO. 3 DOORS				
	Prime quality mninga (mti Pori hard wood				
	Solid doors				
	45mm thick single leaf door size 1000mm x 2400 high in solid hard wood or other equal and approved with fixed top light (Measured separately)	1	NR	400,000.00	400,000.00
	Solid doors.				
V	45mm thick single leaf door size 1000x 2400mm high in solid hard wood or other fixed top light (measured disparately)	1	NR	80,000.00	80,000.00
	Prime quality mninga or other equal and				

	approved hard wood				
X	50 X 150mm frame rebated	5	Lm	25,000.00	125,000.00
Y	50 X 150mm Transom	3	Lm	25,000.00	75,000.00
Z	16 X 16 mm bead	4	Lm	7,000.00	28,000.00
	Glazing 6mm thick polish plated glass fixed to hardwood with beads and set in wash leather				
ZA	Over 0.1m2 not exceeding 0.5m2	item	item	0000.00	00,000.00
	Iron mongers:				
	Supply and fix the following iron Mongers union: or other and approved to laid wood with marching screws.				
ZB	100mm brass butt hinges	6	Pc	10,000.00	60,000.00
	Sub-Total Doors Cost				768,000.00
	ELEMENT NO 4 WINDOWS				
	Supply and fix the grills for the windows for the building				
ZC	W1= 1500 x 1550mm	5	Nr	400,000.00	3,250,000.00
	Sub-Total Windows				2,000,000.00
	ELEMENT No. 5 ROOFING				
	Pitched roof				
	Steel pipe truss				
ZH	3mm thick, 48.3 mm diameter steel 3.35 kg kg/m top and bottom chord	60	kg	10,000.00	600,000.00
ZI	2.5mm thick, 26.9mm diameter steel 1.5kg/m CHS pipe struts	80	kg	10,000.00	800,000.00
ZJ	100x50x20x2mm thick @1600mm z-Purlins to Engineer's specification mm	120	kg	20,000.00	2,400,000.00
ZK	Bracing member steel to engineer's specifications mm Bracing member steel to engineer's specification mm in drawing	90		20,000.00	1,800,000.00
	Roof covering				
	28-gauge corrugated iron sheets in specification length lapped to sides and ends as per manufacture's specifications fixed to and including z purlins m/s				
ZL	Roof covering sloping not exceeding 45 degrees from horizontal including plastic washer nails /both	210	m2	20,000.00	4,200,000.00
ZM	Ditto: Hip cap	30	m	8,000.00	240,000.00
ZN	U shaped metal eaves gutter valley /channel 454 x 2mm thick connected with plastic washer bolts.	60	m	15,000.00	900,000.00
ZO	100mm down pipe including all connected accessories	54	m	15,000.00	810,000.00
	Sub- Total of Roofing				11,750,000.00
	ELEMENT No. 6 FINISHED OF WALLING				

	Finishes:				
	Internal in situ finishes cement and sand in two coats, 12mm thick first coat of cement and sand (1:4) a second coat, 3mm thick cement, sand and lime (1:1:5) steel.				
ZP	15mm thick, to wall surfaces	540	cm	5000.00	2,700,000.00
	External/ in situ finishes cement and sand in two coats, 12mm thick first coat of cement and sand (1:4) and second coat, 3mm thick cement sand and lime (1:1:5) steel				
ZQ	22mm to walls	100	cm	5000.00	500,000.00
Sub- Total finishes of Walling					3,200,000.00
ELEMENT No. 7 FLOOR TILES					
	High quality non-slippery porcelain floor tiles fixed to bed with adhesives and jointed with colored grout to Architect's approval				
ZR	500 X 500 X 10mm tiling to floor grazed ceramic wall tiles with cushion edges to BS 1281 fixed to backings with adhesive and pointing with white cement	48	cm	40,000.00	1,920,000.00
ZS	150 X150X6mm thick Beds and Backings	22	cm	30,000.00	660,000.00
ZT	12mm backing to receive ceramic wall tiles	22	cm	5,000.00	110,000.00
ZU	31 mm screed to receive ceramic floor tiles	150	cm	6,000.00	900,000.00
Sub-Total of finishing Floor cost					3,590,000.00
ELEMENT NO. 8 PAINTING AND DECORATION					
	Prepare and apply are thinned coat and two full coats of wash "N" wear paint				
ZV	To rendered wall Internal wall work	160	cm	6,000.00	960,000.00
	Prepare and apply are thinned coat and two full coat of wash "N" wear paint				
ZW	To plastered walls	280	cm	6,000.00	1,680,000.00
ZX	Prepare and apply scheming for the wall one coat external and internal	280	cm	6,000.00	1,680,000.00
ZXI	To ceiling	60	Cm	6,000.00	360,000.00
Sub-Total Painting and Decoration					4,680,000.00

Prepared by: [Eng. Jaber Nyagoka](#)
 Light for Marginalized Development (LifMADE) Mobile: [+255 \(0\) 682 473 002](#)
mailjaberkidogo2019@gmail.com

GENERAL SUMMARY OF THE PROJECT

NO.	SAMMARY	TOTAL
1	ELEMENT NO 1 SUBSTRUCTURE	10,910,000.00
2	ELEMENT No. 2 WALLS	10,605,000.00
3	ELEMENT NO. 3 DOORS	768,000.00
4	ELEMENT NO 4 WINDOWS	2,000,000.00
5	ELEMENT No. 5 ROOFING	11,750,000.00
6	ELEMENT No. 6 FINISHED OF WALLING	3,200,000.00
7	ELEMENT No. 7 FLOOR TILES	3,590,000.00
8	ELEMENT NO. 8 PAINTING AND DECORATION	4,680,000.00
	THE GRAND TOTAL OF PROJECT FOR ONE CLASSROOM IS COST TZs.	36,898,000.00
	EQUIVALENT USD \$.	16,042.6

FULL PROJECT FOR 3 CLASSROOMS IS 36,898,000X 3=110,898,000 (TZs)
EQUIVALENT USD \$.48,127.

BILLS OF QUANTITY FOR PROPOSED NEW CONSTRUCTION OF FEMALE AND MALE TOILET

S/No	DESCRIPTION	UNIT	QTY	CONTRACT PRICE	DISC %	VAT	NET PRICE
01.	Supply Sand Blocks	Pcs	4200	1,600.00	0	0	6,720,000.00
02.	Supply Sand 4.5 cubic meter tipper	Trips	8	60,000.00	0	0	480,000.00
03.	Supply Aggregates for the site	Trips	2	300,000.00	0	0	600,000.00
04.	Supply Cement for the site	Bags	200	18,000.00	0	0	3,600,000.00
05.	Supply Timber for form works						
	i. 25mmx225mm	Pcs	50	23,000.00	0	0	1,150,000.00
	ii. 50mmx75mm	Pcs	20	15,000.00	0	0	300,000.00
	iii. 50mmx50mm for brandering	Pcs	100	15,000.00	0	0	1,500,000.00
	iv. 50mmx100mm Trust/Tie beam/ King post Rafters	Pcs	100	20,000.00	0	0	2,000,000.00
	v. 50mmx75mm Purlins	Pcs	125	20,000.00	0	0	2,500,000.00
	vi. 25mmx225mm Facial Board	Pcs	25	23,000.00	0	0	575,000.00
	vii. Assorted wire nails	Kgs	50	5,000.00	0	0	250,000.00
	viii. Roofing Nails	Kgs	35	6,000.00	0	0	210,000.00
06	Supply Corrugated Iron Sheets 28 G 3Mts	Bundles	4	516,000.00	0	0	2,048,000.00
07.	Supply wire nails 4" inches	Kgs	10	5,000.00	0	0	50,000.00
08.	Supply wire Mesh	Pcs	20	15,000.00	0	0	300,000.00
09.	Supply Gypsum Boards	Pcs	150	16,000.00	0	0	2,400,000.00
10.	Supply screws for fixing ceiling	Pkts	25	10,000.00	0	0	250,000.00
11.	Supply Cornice for fixing G. Boards	Pcs	125	5,000.00	0	0	625,000.00
12.	Supply Gypsum Powder	Bags	15	25,000.00	0	0	375,000.00
13.	Supply and prepare Aluminium glazing for windows and toilet Doors	M2	135	155,000.00	0	0	20,925,000.00
14.	Complete hard wood Doors and accessories	No.	20	400,000.00	0	0	8,000,000.00
15.	Supply Floor tiles	Boxes	190	40,000.00	0	0	7,600,000.00
16.	Supply wall tiles	Boxes	228	19,000.00	0	0	4,332,000.00
17.	Soil treatment	Item		650,000.00			650,000.00
18.	Supply and apply Emulsion weather guard paints	Buckets	15	40,000.00	0	0	600,000.00
19.	Supply and apply Silk paints	Buckets	9	145,000.00	0	0	1,305,000.00

20.	Supply and fixed WC and SINK Complete	Item			0	0	2,600,000.00
21.	Excavation, construct Soak pit Away Tank	Item			0	0	1,500,000.00
22.	Excavation, construct Septic Tank	Item			0	0	1,500,000.00
23.	Prepare the wire ring and install Electric	Item			0	0	10,000,000.00
24.	To prepare and fixed water from main line	Item			0	0	4,000,000.00
	TOTAL TZS.						88,945,000.00
	Add labor (25%)						22,236,250.00
	Add supervision charges (8%)						6,226,150.00
	Add logistic charges						4,447,250.00
	THE GRAND TOTAL TZS.						121,854,650.00

**PROPOSED BOQ FOR SCHOOL COMPLEX (3 CLASSROOMS, TOILETS, ADMINISTRATION BLOCK OFFICE) AT
MANYONI PARISH DIOCESE OF SINGIDA-AUGUST, 2022**

S/n	Activities/Materials	Units	Qty	Rate Tshs	Amount Tshs
1	Supply timber treated soft wood				
	(a)100 mm by 50mm	M	2,220	2,500	5,550,000
	(b)75 mm by 50mm	M	3,982	1,850	7,366,700
	©50 mm by 50mm	m	5,150	1,250	6,437,500
2	Assorted wire nail	kg	220	4,000	880,000
3	Supply trip of Sand	M ³	362	20,000	7,240,000
4	Supply trips of fine Aggregates 20 mm size	M ³	152	75,000	11,400,000
5	Supply 150 mm by 230 mm by 450 mm blocks	Pcs	15,650	1,600	25,040,000
6	Supply Bags of Cement	Bags	1,000	18,000	18,000,000
7	Prepare the Reinforcements	Tons	8	2,650,000	21,200,000
8	Apply Dpc layer	M ³	70	3,500	245,000
9	Prepare the Anchorage wire	Kgs	40	6,000	240,000
10	Supply the G28 roofing sheets	M	6,310	18,500	116,735,000
11	Supply Roofing nails	Pkts	100	10,000	1,000,000
12	Supply Gypsum boards	Pcs	522	30,000	15,660,000
13	Supply Cornice	Pcs	269	7,500	2,017,500
14	Hardwood doors complete (single leaf)	Nos	16	650,000	10,400,000
15	Windows & doors (aluminum casement with 5 mm thick clear glass)	M ²	178	190,000	33,820,000
16	Supply Emulsion paints	Buckets	38	40,000	1,520,000
17	Supply Silk paints (washable)	Buckets	52	160,000	8,320,000
18	100 mm Z- purlins for roofing the assembly	Pcs	112	83,000	9,296,000
19	Electrical goods	Item			12,000,000
20	Paving blocks	M ³	368	18,500	6,808,000
	TOTAL MATERIALS				321,175,700
	Add labor (25%)				80,293,925
	Add supervision charges (6%)				19,270,542
	Add logistic charges				14,419,483
21	water sanitation installation, Electricity for Toilets & Management Building Block Admin Office				20,000,000
	GRAND TOTAL TZs.				455,159,650
	GRAND TOTAL REQUESTED USD \$.				197,895.5