

BILLS OF QUANTITIES

FOR THE PROPOSED

DOORS OF HOPE CHILDREN'S CENTRE AT
MBIKKO VILLAGE, BUIKE DISTRICT

CLIENT: Mr. TONY MAKAYU SSEMBATYA

Project director Mr.NSUMBA G.W

MARCH, 2015

BILLS OF QUANTITIES							
Item	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
1	EARTHWORKS						
	EXCAVATIONS						
A	Excavate vegetable top soil average 150mm deep and deposit in spoil heaps not exceeding 100m away from site	50	CM	3000	150000	51.72414	47.7707
B	Disposal						
	removing from site excess of earth material	61	CM	8500	518500	178.7931	165.1274
DOORS OF HOPE CHILDREN'S CENTRE AT MBIKKO VILLAGE, BUIKE DISTRICT							
TOTAL 1					668500	230.5172	212.8981
	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
2	SUBSTRUCTURES						
A	Excavate for strip foundations commencing at reduced level not exceeding 1.5 meters	119	CM	9000	1071000		341.0828
B	Return, fill and ram well selected excavated materials	58	CM	20000	1160000	400	369.4268
C	250mm Thick bed of handpacked stone base, well compacted in two layers of 150mm thick each	234	SM	30000	7020000	2420.69	2235.669
D	50mm Thick sand blinding over surfaces of hardcore	234	SM	3000	702000	242.069	223.5669
E	Insecticide treatment to surface of hardcore, tops of foundation walling and bottoms of excavations	234	SM	3000	702000	242.069	223.5669
TOTAL 2					10655000	3674.138	3393.312

A proposed Kindergarten [Doors of hope Children's centre] Buikwe District

	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
3	CONCRETE WORK						
A	Mass concrete class 30 1:3:6 (20mm aggregate) cast in foundation trenches to an average depth of 300mm	10	CM	250000	2500000	862.069	796.1783
	VIBRATED REINFORCED CONCRETE CLASS 30 MIX (1:2:4) (20MM AGGREGATE) IN						
B	Column bases	26.33	CM	416000	10953280	3776.993	3488.306
C	Columns	24	CM	416000	9984000	3442.759	3179.618
D	Beams (150mm)	5	CM	416000	2080000	717.2414	662.4204
E	Beams (500mm)	19	CM	416000	7904000	2725.517	2517.197
F	150mm thick mass concrete floor slab	41	CM	416000	17056000	5881.379	5431.847
G	150mm thick reinforced concrete floor slab	35	CM	416000	14560000	5020.69	4636.943
H	Concrete staircase	1	CM	416000	416000	143.4483	132.4841
I	Concrete Ramp	2.7	CM	416000	1123200	387.3103	357.707
TOTAL 3					66576480	22957.41	21202.7
	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
4	STEEL REINFORCEMENT as described including cutting length, bending, hoisting and fixing and including all necessary tying wire and spacing blocks						
	HIGH YIELD SQUARE RIBBED BARS TO BS 4449						
A	various sizes	9179	KG	3100	28454900	9812.034	9062.07
B	Binding wire	518	Kg	8500	4403000	1518.276	1402.229
	<i>FORMWORK to:</i>						
C	Sides of column bases	70	SM	15000	1050000	362.069	334.3949
D	Vertical sides of columns	342	SM	15000	5130000	1768.966	1633.758
E	150mm Beam	49	SM	15000	735000	253.4483	234.0764
F	500mm Beam	187	SM	15000	2805000	967.2414	893.3121

A proposed Kindergarten [Doors of hope Children's centre] Buikwe District

G	First floor shuttering	200	SM	15000	3000000	1034.483	955.414
TOTAL 4					45577900	15716.52	14515.25
	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
5	MASONRY						
	well burnt common clay bricks; laid in header bond in cement mortar (1:4)						
	Walls						
A	225mm thick plinth wall	132	SM	45500	6006000	2071.034	1912.739
B	Ant proof Course 37mm thick	147	LM	4000	588000	202.7586	187.2611
	DAMP PROOF COURSES						
C	1000 Gauge polythene sheeting laid on blinded hardcore	147	LM	1500	220500	76.03448	70.22293
TOTAL 5					6814500	2349.828	2170.223
	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
6	WALLING						
	well burnt common clay bricks; laid in header bond in cement mortar (1:4)						
A	225mm thick	449	SM	45500	20429500	7044.655	6506.21
	INTERNAL WALLING TO WC & SHOWER ROOMS						
B	150mm thick	83	SM	30000	2490000	858.6207	792.9936
TOTAL 6					22919500	7903.276	7299.204
	Description	Qty	Unit	Rate shs	Amount (shs)	US \$	Euros €
7	EXTERNAL WALL FINISHINGS FINISHES						
	Render; cement and sand (1:4); wood floated						
A	19 mm thick;	449	SM	6000	2694000	928.9655	857.9618
	Plastering; cement and sand (1:4); steel floated						
B	19mm thick;	449	SM	8000	3592000	1238.621	1143.949
	DECORATIONS						
C	One undercoat and 2 coats of silk vinyl on the internal plastered surface of the ext. wall	449	SM	5500	2469500	851.5517	786.465
D	One undercoat and two coats of waether guard ext. paint to the plastered surface of the wall.	449	SM	5500	2469500	851.5517	786.465
	INTERNAL WALL FINISHINGS						

A proposed Kindergarten [Doors of hope Children's centre] Buikwe District

	Plastering; cement and sand (1:4); steel foated both faces						
E	19mm thick	449	SM	6000	2694000	928.9655	857.9618
F	One under coat and 2 coats of silk vinyl to the plastered surfaces of the wall.	449	SM	5500	2469500	851.5517	786.465
TOTAL 7					16388500	5651.207	5219.268
	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
8	CEILING						
A	100x50mm Joists and blanderies	1060	LM	3500	3710000	1279.31	1181.529
B	XPM lath	200	SM	5500	1100000	379.3103	350.3185
C	19mm mortar filling	200	SM	10,000	2000000	689.6552	636.9427
	FINISHES						
	Plaster; 9mm first coat of cement and sand (1:4);3mm second coat of cement and lime putty (1:5); steel trowelled						
D	12mm thick to ceiling plaster	200	SM	7000	1400000	482.7586	445.8599
	Three coats PVA based emulsion paint						
	Plastered surfaces; on ceiling	200	SM	5000	1000000	344.8276	318.4713
	CORNICE						
E	150mm wide cornice in cement mortar (1:4)	229	LM	4000	916000	315.8621	291.7197
F	One under coat and 2 coats of silk vinyl paint to the plastered surface	229	LM	3000	687000	236.8966	218.7898
	FLOOR FINISHES						
G	50mm thick floor screed in cement mortar (1:2) finished smooth with cement grout. Ground floor	200	SM	21000	4200000	1448.276	1337.58
H	50mm thick floor screed in cement mortar (1:2) finished smooth with cement grout. First/upper floor	196	SM	21000	4116000	1419.31	1310.828
TOTAL 8					19129000	6596.207	6092.038
	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
9	DOORS AND WINDOWS						
	PRECAST CONCRETE						
	WINDOW SILLS						

A proposed Kindergarten [Doors of hope Children's centre] Buikwe District

A	50 x 225mm; once sunk weathered; once throated; reinforced as necessary for handling; surface finish 350mm girth; bedding, jointing and pointing in cement mortar (1:4)	33	LM	25450	839850	289.6034	267.4682
	Pre-painted doors or windows; permanent ventilators full width; glazing beads and sealing strips; including 4mm clear glass; ironmongary						
	Fixing windows with plugs attached rigidly fixed into the wall with cement mortar (1:3)						
B	1500x1500mm high W1	24	No	450000	10800000	3724.138	3439.49
C	2500x1500mm high W2	2	No	600000	1200000	413.7931	382.1656
D	500x600mm high W3	21	No	60000	1260000	434.4828	401.2739
E	GLAZING: 4mm thick clear glass fixed to metal panes with putty	41	SM	45000	1845000	636.2069	587.5796
	DOORS						
	Doors as per drawing completed with framing and decorations						
F	900x2400 mm high D3 wooden panel	2	No	500000	1000000	344.8276	318.4713
G	1000x2400 mm high D2 steel casement	7	No	520000	3640000	1255.172	1159.236
H	800x2400 mm high D4 wooden flush	26	No	400000	10400000	3586.207	3312.102
	To architects' approval						
	Steel Double side hung as per drawing complete with all iron mongary and decorations						
I	1500x2400mm high D1	2	No,	720000	1440000	496.5517	458.5987
J	GLAZING: 4mm thick clear glass fixed to metal panes with putty	20	SM	45000	900000	310.3448	286.6242
TOTAL 9					33324850	11491.33	10613.01
	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
10	ROOF TRUSS						

A proposed Kindergarten [Doors of hope Children's centre] Buikwe District

	Roof truss comprising 150x50mm tie beam, 100x50mm rafter and 100x50 struts and ties fixed 150x75mm wall plate which is fixed to brick wall with hoop iron gauge 16.						
A	150x50mm well treated sawn wood	110	LM	3750	412500	142.2414	131.3694
B	100x50mm treated sawn wood	700	LM	3000	2100000	724.1379	668.7898
C	100x75mm well treated sawn wood	330	LM	3750	1237500	426.7241	394.1083
D	25x225mm wrouth hard wood facia board	86	LM	5500	473000	163.1034	150.6369
E	knot prime, stop and paint one under coat and two finishing coats of oil paint on facia board surface in 200-300mm gith	86	LM	4800	412800	142.3448	131.465
TOTAL 10					4635800	1598.552	1476.369
	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
11	COVERING						
	Roof pitch = 30°corrugated prepainted iron sheets on 100x50mm timber purlins on timber truss framework to structural Engineer's detail..						
A	Guage 28 iron sheet	410	SM	12500	5125000	1767.241	1632.166
B	Prepainted Guage 28 ridge covers	76	LM	11000	836000	288.2759	266.242
C	Roof valleys	24	LM	8000	192000	66.2069	61.1465
D	100mm dia. Plastic gutters fixed on facia with plastic straps 1500mm centers	86	LM	9200	791200	272.8276	251.9745
E	Extra over for stopped end	4	No	24200	96800	33.37931	30.82803
F	Nozzle for 100mm dia outlets	4	No	24200	96800	33.37931	30.82803
TOTAL 11					7137800	2461.31	2273.185
<u>SUB-TOTAL 1</u>					<u>233827830</u>	<u>80630.3</u>	<u>74467.5</u>
Item	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €

A proposed Kindergarten [Doors of hope Children's centre] Buikwe District

12	ELECTRIFICATION						
	Supply, install, connect and set work the following Uganda electricity distributors company						
	Take 08% of project sum				18706226.4	6450.423	5957.397
TOTAL 12					18706226.4	6450.423	5957.397
Item	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
13	SANITARY AND WATER SUPPLY WORKS						
A	Take 08% of project sum sanitary and water supply	8%			18706226.4	6450.423	5957.397
B	Take 03% of project sum for septic tank construction and other supply services	3%			7014834.9	2418.909	2234.024
TOTAL 13					25721061.3	8869.331	8191.421
<u>SUB-TOTAL 2</u>					<u>278255118</u>	<u>95950</u>	<u>88616.3</u>
Item	Description	Qty	Unit	Rate shs	Amount (shs)	US \$	Euros €
	PRELIMINARIES	6%			16695307.06	5757.002	5316.977
	CONTINGENCIES	5%			13912755.89	4797.502	4430.814
	VAT	18%			50085921.19	17271.01	15950.93
	PROFITS AND OVERHEADS	15%			41738267.66	14392.51	13292.44
<u>SUB-TOTAL 3</u>					<u>400687369</u>	<u>138168</u>	<u>127607</u>
BILLS OF QUANTITIES (Kitchen)							
Item	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
1	EARTHWORKS						
	EXCAVATIONS						
A	Excavate vegetable top soil average 150mm deep and deposit in spoil heaps not exceeding 100m away from site	2	CM	30000	60000	20.68966	19.10828
TOTAL 1					60000	20.68966	19.10828

A proposed Kindergarten [Doors of hope Children's centre] Buikwe District

	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
2	SUBSTRUCTURES						
A	Excavate for strip foundations commencing at reduced level not exceeding 1.5 meters	5	CM	9000	45000		14.33121
B	Return, fill and ram well selected excavated materials	2	CM	20000	40000	13.7931	12.73885
C	200mm Thick bed of handpacked stone base, well compacted in two layers of 150mm thick each	3	CM	30000	90000	31.03448	28.66242
D	50mm Thick sand blinding over surfaces of hardcore	12	SM	3000	36000	12.41379	11.46497
E	Insecticide treatment to surface of hardcore, tops of foundation walling and bottoms of excavations	12	SM	3000	36000	12.41379	11.46497
TOTAL 2					247000	85.17241	78.66242
	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
3	CONCRETE WORK						
A	Mass concrete class 30 1:3:6 (20mm aggregate) cast in foundation trenches to an average depth of 150mm	1	CM	250000	250000	86.2069	79.61783
	VIBRATED REINFORCED CONCRETE CLASS 30 MIX (1:2:4) (20MM AGGREGATE) IN						
B	Beams (150mm)	1	CM	416000	416000	143.4483	132.4841
C	150mm thick mass concrete floor slab	3	CM	416000	1248000	430.3448	397.4522
TOTAL 3					1914000	660	609.5541
	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
4	STEEL REINFORCEMENT as described including cutting length, bending, hoisting and fixing and including all necessary tying wire and spacing blocks						
	HIGH YIELD RIBBED BARS TO BS 4449						
A	various sizes	70	KG	3100	217000	74.82759	69.10828

A proposed Kindergarten [Doors of hope Children's centre] Buikwe District

B	Binding wire	4	Kg	8500	34000	11.72414	10.82803
	<i>FORMWORK to:</i>						
C	150mm Beam	6	SM	15000	90000	31.03448	28.66242
TOTAL 4					341000	117.5862	108.5987
	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
5	MASONRY						
	well burnt common clay bricks; laid in header bond in cement mortar (1:4)						
	<i>Walls</i>						
A	225mm thick plinth wall	13	SM	45500	591500	203.9655	188.3758
B	Ant proof Course 37mm thick	15	LM	4000	60000	20.68966	19.10828
	DAMP PROOF COURSES						
C	1000 Gauge polythene sheeting laid on blinded hardcore	15	LM	1500	22500	7.758621	7.165605
TOTAL 5					674000	232.4138	214.6497
	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
6	WALLING						
	well burnt common clay bricks; laid in header bond in cement mortar (1:4)						
A	225mm thick	40	SM	45500	1820000	627.5862	579.6178
TOTAL 6					1820000	627.5862	579.6178
	Description	Qty	Unit	Rate shs	Amount (shs)	US \$	Euros €
7	EXTERNAL WALL FINISHINGS FINISHES						
	Render; cement and sand (1:4); wood floated						
A	19 mm thick;	43	SM	6000	258000	88.96552	82.16561
	Plastering; cement and sand (1:4); steel floated						
B	19mm thick;	38	SM	8000	304000	104.8276	96.81529
C	One undercoat and 2 coats of silk vinyl on the internal plastered surface of the ext. wall	38	SM	5500	209000	72.06897	66.56051
D	One undercoat and two coats of waether guard ext. paint to the plastered surface of the wall.	43	SM	5500	236500	81.55172	75.31847
TOTAL 7					1007500	347.4138	320.8599

A proposed Kindergarten [Doors of hope Children's centre] Buikwe District

	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
8	CEILING						
A	100x50mm Joists and blanderies	117	LM	3500	409500	141.2069	130.414
B	XPM lath	22	SM	5500	121000	41.72414	38.53503
C	19mm mortar filling	22	SM	10,000	220000	75.86207	70.06369
	FINISHES						
	Plaster; 9mm first coat of cement and sand (1:4);3mm second coat of cement and lime putty (1:5); steel trowelled						
D	12mm thick to ceiling plaster	22	SM	7000	154000	53.10345	49.04459
	DECORATIONS						
	Three coats PVA based emulsion paint						
	Plastered surfaces; on ceiling	22	SM	5000	110000	37.93103	35.03185
	FLOOR FINISHES						
G	50mm thick floor screed in cement mortar (1:2) finished smooth with cement grout. Ground floor	22	SM	21000	462000	159.3103	147.1338
TOTAL 8					1476500	509.1379	470.2229
	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
9	DOORS AND WINDOWS						
A	2000x1500mm high W1	1	No	300000	300000	103.4483	95.5414
	DOORS						
	Doors as per drawing completed with framing and decorations						
B	900x2400 mm high D3 wooden panel	1	No	500000	500000	172.4138	159.2357
	To architects' approval						
TOTAL 9					800000	275.8621	254.7771
	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
10	ROOF TRUSS						
	Roof truss comprising 150x50mm tie beam, 100x50mm rafter and 100x50 struts and ties fixed 150x75mm wall plate which is fixed to brick wall with hoop iron gauge 16.						

A proposed Kindergarten [Doors of hope Children's centre] Buikwe District

A	150x50mm well treated sawn wood	13	LM	3750	48750	16.81034	15.52548
B	100x50mm treated sawn wood	11	LM	3000	33000	11.37931	10.50955
C	150x75mm well trated sawn wood	15	LM	3750	56250	19.39655	17.91401
D	25x225mm wrout hard wood facia board	20	LM	5500	110000	37.93103	35.03185
E	knot prime, stop and paint one under coart and two finishing coats of oil paint on facia board surface in 200-300mm gith	20	LM	4800	96000	33.10345	30.57325
TOTAL 10					344000	118.6207	109.5541
	Description	Qty	Unit	Rate shs	Amount shs	US \$	Euros €
11	COVERING						
	Roof pitch = 30°corrugated preapainted iron sheets on 100x50mm timber purlins on timber truss framework to structural Engineer's detail..						
A	Guage 28 iron sheet	26	SM	12500	325000	112.069	103.5032
B	Preapainted Guage 28 ridge covers	13	LM	11000	143000	49.31034	45.5414
C	100mm dia. Plastic gutters fixed on facia with plastic straps 1500mm centers	20	LM	9200	184000	63.44828	58.59873
D	Extra over for stopped end	4	No	24200	96800	33.37931	30.82803
F	Nozzle for 100mm dia outlets	1	No	24200	24200	8.344828	7.707006
TOTAL 11					773000	266.5517	246.1783
SUB-TOTAL 4					9457000	3261.034	3011.783
GRAND TOTAL					410144369.5	141429.1	130619.2

