

THE UNITED REPUBLIC OF TANZANIA



PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

PROPOSED STANDARD COUNCIL LEVEL HOSPITALS

Schedule of Material, Labour & Drawings for Security House

PROJECT AREA

TANZANIA MAINLAND

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Development, Gender, Elderly and Children,
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APRIL, 2018

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Schedule of Material

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<u>MATERIALS</u>				
A.	SUBSTRUCTURE - PROVISIONAL				
1	<u>Strip Foundation - Grade 15 Plain</u>				
	Aggregate (3/4")	8	M ³		
	Sand	4	M ³		
	Cement-50kgs	36	Bags		
2	<u>Foundation Walls</u>				
	6" Cement & Sand Block	700	No		
	Sand	3	M ³		
	Cement -50kgs	12	Bags		
3	<u>Moram, Hardcore & Site sterilization</u>				
	Moram (Lorry 4.5M ³)	4	Trips		
	Hardcore (Lorry 4.5M ³)	2	Trips		
	Sand	2	M ³		
	Aldrin solution or equal and other approved	20	Litres		
4	<u>Oversite Concrete (100mm thick - 15 grade) Ground Beam - 20 grade and Column base</u>				
	DPM	56	M ²		
	Cement -50kgs	55	Bags		
	Aggregates (1/2")	9	M ³		
	Sand	5	M ³		
	Reinforcement - 16mm diameter high tensile	2	PC'S		
	Reinforcement - 12mm diameter high tensile	18	PC'S		
	Reinforcement - 8mm diameter	22	PC'S		
	Timber 1" X 8" (5.2m long)	7	PC'S		
	Timber 2" X 2"	5	PC'S		
	Nails-4"	10	Kgs		
	Nails-3"	6	Kgs		
	Supporting props	8	PC'S		
	SUB-TOTAL SUB STRUCTURE				

SCHEDULE OF MATERIALS

SECURITY HOUSE - (GROSS FLOOR AREA =66 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
B.	SUPERSTRUCTURE				
1	<u>Walls, Columns & Ring beam</u>				
	6" Cement & Sand Block	1,125	No		
	DPC (20m long)	3	Roll		
	Sand	7	M ³		
	Cement-50kgs	45	Bags		
	Aggregates (1/2")	4	M ³		
	Reinforcement - 16mm diameter high tensile	2	PC'S		
	Reinforcement - 12mm diameter high tensile	22	PC'S		
	Reinforcement - 8mm diameter	28	PC'S		
	Binding Wire - 1kg	5	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	32	PC'S		
	Timber 1" X 5" (Plates)	4	PC'S		
	Timber 2" X 2"	10	PC'S		
	Supporting Props	15	PC'S		
	SUB-TOTAL SUPER STRUCTURE				
C.	ROOF STRUCTURE & COVERING				
1	<u>Roof Structure - Provisional</u>				
	Timber 2" X 3" purlins	346	FT		
	Timber 2" X 4" kingpost, struss & Wall plate	604	FT		
	Timber 2" X 6" rafters and tie beam	617	FT		
	Fascia board 1" X 10" (5.2m long)	8	PC'S		
	Nails -5"	6	Kgs		
	Nails -4"	5	Kgs		
	Nails -3"	8	Kgs		
	NOTE: The above soft wood timber structure should be pressure impregnated treated				
	TO COLLECTION			B/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				C/F	
2	<u>Roof Covering -as per ALAF or other equal approved</u>				
	28G IT5 resin coated sheet	106	SQ.M		
	Hips/Ridge - 28 G	9	PC'S		
	Roofing Nails	3	Parket		
3	<u>Gutter's</u>				
	Upvc 125mm half round (6m long)-5"	4	PC'S		
	Upvc 75mm diameter down pipe; Class B	2	PC'S		
	PVC outlet	2	PC'S		
	PVC bend 90'	2	PC'S		
	PVC bend 45'	4	PC'S		
	Gutter support bracket	20	PC'S		
	Gutter Clamp 3"	6	PC'S		
	Connector/reducer	2	PC'S		
	Corner outlet	4	PC'S		
	SUB-TOTAL ROOF STRUCTURE & COVERING				
D.	CEILING				
	Gypsum board -9mm thick	21	PC'S		
	Plain Cornice	32	PC'S		
	Screw 1.25" 500pcs/box	7	Box		
	Gypsum powder	4	Bags		
	Fiber tape	1	Pcs		
	Treated soft wood timber 2" X 2"	798	FT		
	Nails 4"	15	Kgs		
	Nails 3"	10	Kgs		
	SUB-TOTAL FOR CEILING				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
E.	DOOR				
1	<u>45mm thick Pannelled door shutter</u>				
	900 x 2100 mm high	3	PC'S		
2	<u>Supply and fix 38 x 38mm steel square pipe door grill including 4mm thick steel plate and its ironmongeries. painted red-oxide</u>				
	900 X 2100mm high to store area	1	PC'S		
3	<u>Frames (hardwood),Varnish & Glass</u>				
	900 x 2500mm high	3	PC'S		
	4mm thick clear glass to Vents	1	SQ.M		
	Brush 3"	1	Pcs		
	Sand paper (msasa) No.80	3	LM		
	Clear Varnish - 4Litres	1	TIN		
	TINA for Varnish -4Litres	2	Litres		
4	<u>Ironmongeries - Union</u>				
	Mortice lock - Three lever	3	No		
	Brass hinges - 100mm	4.5	Pairs		
	Barrel bolt - 150mm	1	No		
	Wood Screw	1	Box		
	SUB-TOTAL FOR DOORS				
F.	WINDOWS				
1	<u>Supply and fix Aluminium Windows 2mm thick frame with 5mm thick glass, Mosquitor gauze ,ironmongeries and all necessary accessories</u>				
	1000 X 750mm high	2	PC'S		
	1200 X 1600mm high	2	PC'S		
	2480 X 1600mm high	2	PC'S		
2	<u>Supply and fix 32 x 32mm steel square pipe window grill painted red-oxide</u>				
	1000 X 750mm high	2	PC'S		
	1200 X 1600mm high	2	PC'S		
	2480 X 1600mm high	2	PC'S		
	SUB-TOTAL FOR WINDOWS				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
G.	FINISHING				
1	Floor finishing - (ratio 1:4)				
	Sand	3	M ³		
	Cement-50kgs	18	Bags		
	450 X 450 X 8 mm thick - Non-slippery porcelain floor tiles -(1.42 sqm/Box)	44	Box		
	Epoxy - Grout (1kg/packet)	9	Bucket		
	Spacer	5	Packet		
	Skirting (600mm long; 25/Box)	5	Box		

2	Wall Finishing				
	Sand	6	M ³		
	Cement-50kgs	34	Bags		
	White cement - 50kg	5	Bags		
	Gypsum powder	2	Bags		
	Sand pepar No.120 (msasa)	0.5	Roll		
	200 X 300 x 9mm thick Wall tiles to toilets full height -0.96 sqm/Box)	19	Box		
	Epoxy - Grout (1kg/packet)	3	Packet		
	Spacer	2	Packet		
	SUB-TOTAL FOR FINISHING				
H.	PAINTING & DECORATION				
	Emulsion Paint - 20 LTRS	2	buckets		
	Weather guard Paint - 20 LTRS	1	buckets		
	Washable paint -20 LTRS (light blue green)	1	buckets		
	Primer paint -20 LTRS	1	buckets		
	Solvent - 5LTRS	0.25	TIN		
	Brush 3"	2	Pcs		
	Roller	1	Pcs		
	Gloss paint-4LTR	1	TIN		
	Bitumen paint - 4Litres	1	TIN		
	SUB-TOTAL FOR PAINTING&DECORATION				

SCHEDULE OF MATERIALS

SECURITY HOUSE - (GROSS FLOOR AREA =66 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
J.	ELECRICAL INSTALLATION				
1	Single fluorescent fitting, approved philips or equal	7	No		
2	Double fluorescent fitting, approved philips or equal	3	No		
3	Double switch socket	5	No		
4	Main switch 8way,3PH with intergral RCD	1	No		
5	Single core wire 1.5sqmm - Red	100	m		
6	Single core wire 1.5sqmm - Black	100	m		
7	Single core wire 1.5sqmm -green	50	m		
8	Single core wire 2.5sqmm approved uro or equal red	100	m		
9	Single core wire 2.5sqmm approved uro or equal black	100	m		
10	Single core wire 2.5sqmm approved uro or equal green	100	m		
11	Ceiling fan, approved National or equal	2	PC's		
12	3 core cable 16mmsq	20	M		
13	1 gang one way switch	2	No		
14	2gang two way switch	3	No		
14	3gang one way switch	1	No		
15	20A DP switch	1	No		
16	3gang switch	0	No		
17	Gypsum light complete with energy saver 18w	1	No		
18	Earth rod approved copper not less than 1200mm	1	No		
19	Earth wire 4sqmm	20	M		
20	Metal box double	5	No		
21	Metal box single	5	No		
22	Junction box	6	No		
23	Conduit pipe	20	PC's		
24	Elbow	15	PC's		
25	Conduit coupling	10	PC's		
26	Round cover	50	PC's		
27	Round box	7	PC's		
28	fine screw	1	PACKET		
29	Plastic clips 22mm	1	Box		
	SUB-TOTAL ELECTRICAL INSTALLATION				

SCHEDULE OF MATERIALS

SECURITY HOUSE - (GROSS FLOOR AREA =66 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
K.	PLUMBING & SANITARY INSTALLATION (PROVISIONAL)				
1	Polypipe 3/4"	10	M		
2	IPS pipe 1/2"	1	PC'S		
3	IPS pipe 3/4"	1	PC'S		
4	Connector 3/4"	1	PC'S		
5	Bush reducing 3/4" x 1/2"	1	PC'S		
6	IPS Elbow 1/2"	6	PC'S		
7	IPS Elbow 3/4"	2	PC'S		
8	IPS tee 1/2"	3	PC'S		
9	IPS nipple 1/2"	4	PC'S		
10	IPS nipple 3/4"	1	PC'S		
11	IPS union 3/4"	1	PC'S		
12	IPS socket 1/2"	3	PC'S		
13	Angle valve 1/2"	3	PC'S		
14	Stop cock pex '3/4"	1	PC'S		
15	PVC bend with cleaning eye 4"	1	PC'S		
16	Flexible pipe	2	PC'S		
17	Thread seal tape	3	PC'S		
18	PVC pipe 1 1/2"	1	PC'S		
19	PVC pipe 1 1/4"	1	PC'S		
20	PVC pipe 4' CLASS C"	1	PC'S		
21	PVC bend 1 1/4"	1	PC'S		
22	PVC tee 1 1/4"	1	PC'S		
23	PVC plug 1 1/4"	1	PC'S		
24	Non-trap 1 1/2"	1	PC'S		
25	Stainer	1	PC'S		
26	Tangit	1	TIN		
27	PVC gully trap 4"	1	PC'S		
28	PVC socket with Female threads 1 1/4"	1	PC'S		
29	WC squatting Complete with P trap -Asian type	1	PC'S		
30	Toilet shower (shataf)	1	PC'S		
31	Hands wash basin complete with 6" Levers operating for elbow control and its accessories	1	PC'S		
32	Mirror	1	PC'S		
	SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION				

<u>GENERAL SUMMARY</u>		AMOUNT
		TZS
<u>SECURITY HOUSE</u>		
A.	SUBSTRUCTURE - PROVISIONAL	
B.	SUPERSTRUCTURE	
C.	ROOF STRUCTURE & COVERING	
D.	CEILING	
E.	DOOR	
F.	WINDOWS	
G.	FINISHING	
H.	PAINTING & DECORATION	
J.	ELECTRICAL INSTALLATION	
K.	PLUMBING & SANITARY INSTALLATION (PROVISIONAL)	
TOTAL MATERIALS COST		TZS

Schedule of Labour

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
A	<u>Msingi wa Jengo (Sub-structure)</u>	
1	Kusafisha eneo	
2	Kuseti jengo	
3	Uchimbaji wa msingi	
4	Kufukia	
	<u>Kufunga mbao</u>	
5	Pembezeni mwa jamvi	
6	Pembezeni mwa nguzo	
7	Kuondoa mbao	
	<u>Kumwaga zege</u>	
8	Chini kwenye msingi wa tofali	
9	Chini kwenye msingi wa nguzo	
10	katika nguzo ya awali	
11	kwenye jamvi	
12	Ujenzi wa tofali (700pc's)	
	<u>Mawe</u>	
13	Upangaji wa mawe na utandazaji wa DPM	
14	Umwagiliaji wa maji	
	Jumla ndogo msingi wa jengo	
B.	<u>Kunyanyua jengo (Super-structure)</u>	
1	Ujenzi wa tofali za kuta na uwekaji DPC (1125PC'S)	
	<u>Kufunga mbao katika:</u>	
2	Nguzo mlalo	
3	Nguzo wima	
	<u>Kusuka nondo katika:</u>	
4	Nguzo mlalo	
5	Nguzo wima	
	<u>Kumwaga zege katika:</u>	
6	Nguzo mlalo	
7	Nguzo wima	
8	Umwagiliaji wa maji	
C.	<u>Kuezeka (Roof structure and covering)</u>	
	Kuezeka na ufungaji wa gata	
	Jumla ndogo kunyanyua jengo	

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
D.	<u>Milango</u>	
1	Kufitisha fremu za milango	
2	Kufitisha shata za milango pamoja na vitasa	
3	Upakaji wa Varnishi katika milango na fremu	
E.	<u>Umaliziji (Finishing)</u>	
	<i>Upigaji wa lipu pamoja na kutengeneza koplo:</i>	
1	Nje ya jengo	
2	Ndani ya jengo	
	<u>Sakafu</u>	
3	Uwekaji wa sakafu ya kupokea vigae (beds)	
4	Uwekaji wa vigae pamoja na grauti katika sakafu (floor tiles) -	
	<u>Dali:</u>	
6	Ufungaji wa mbao za dali (Branding)	
7	Uwekaji wa dali na mikanda ya gypsum	
8	Uwekaji wa dali ya pvc kuzunguka nyumba kwa nje	
9	Uwekaji wa vigae katika kuta na upakaji grout	
	Jumla ndogo umaliziji(finishing)	
F.	<u>Rangi na Mapambo (Painting & Decoration)</u>	
	<u>Kupaka rangi mikono mitatu pamoja na skimming katika:</u>	
1	Kuta za nje	
2	Kuta za ndani	
3	Dali	
	<u>Kupaka rangi mikono mitatu katika:</u>	
5	Msingi wa nyumba	
6	Grill za milango na madirisha	
	Jumla ndogo Rangi na mapambo	
G.	<u>Umeme (Electrical installation)</u>	
1	Usukaji wa umeme awamu ya kwanza - Conduit na Box	
2	Usukaji wa umeme awamu ya pili (2nd fix)-fittings	
	Jumla ndogo Umeme	

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
H.	Mifumo ya maji safi na taka (Water Supply and Sewage system)	
1	Ufungaji bomba awamu ya kwanza (Kuchimbia bomba)	
2	Ufungaji bomba awamu ya pili (2nd fix) -fittings	
3	Ufungaji wa Mifumo ya maji ya mvua kwenda kwenye tanki	
	Jumla ndogo Mifumo ya maji safi na taka	

MAJUMUIISHO (SUMMARY)		
		Shs
A.	Msingi wa Jengo (Sub-structure)	
B.	Kunyanyua jengo (Super-structure)	
C.	Kuezeka (Roof structure and covering)	
D.	Milango	
E.	Umaliziaji (Finishing)	
F.	Rangi na Mapambo (Painting & Decoration)	
G.	Umeme (Electrical installation)	
H.	Mifumo ya maji safi na taka (Water Supply and Sewage system)	
	JUMLA KUU Shs.	

ANGALIZO:

Fundi anatakiwa kujaza hii fomu kwa kupitia mchoro wa jengo husika

Drawings