

THE UNITED REPUBLIC OF TANZANIA



PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

PROPOSED STANDARD COUNCIL LEVEL HOSPITALS

Schedule of Material, Labour & Drawings for Maternity Waiting
Home Block

PROJECT AREA

TANZANIA MAINLAND

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Development, Gender, Elderly and Children,
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Schedule of Material

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<u>MATERIALS</u>				
A	SUB-STRUCTURE -PROVISIONAL				
1	<u>Strip Foundation - Grade 15 Plain</u>				
	Aggregate (3/4")	28	M ³		
	Sand	14	M ³		
	Cement-50kgs	126	Bags		
2	<u>Foundation Walls</u>				
	6" Cement & Sand Block	2,324	No		
	Sand	8.0	M ³		
	Cement -50kgs	39	Bags		
3	<u>Moram, Hardcore & Site sterilization</u>				
	Moram (4.5m ³ lorry)	14	Trips		
	Hadcore (4.5m ³ lorry)	9	Trips		
	Sand	11	M ³		
	Aldrin solution or equal and approved	213	Litres		
4	<u>Oversite Concrete (100mm thick - 15 grade) & Ground Beam - 20 grade and column base</u>				
	DPM	213	M ²		
	Cement -50kgs	194	Bags		
	Aggregates (1/2")	32	M ³		
	Sand	16	M ³		
	Reinforcement - 16mm diameter high tensile	4	PC'S		
	Reinforcement - 12mm diameter high tensile	64	PC'S		
	Reinforcement - 8mm diameter	75	PC'S		
	A252 Mesh 200 x200x6.16kg	21	PC'S		
	Timber 1" X 8 " (5.2m long)	10	PC'S		
	Timber 2" X 2"	8	PC'S		
	Nails-4"	15	Kgs		
	Nails-3"	12	Kgs		
	Supporting props	15	PC'S		
	SUB-TOTAL SUBSTRUCTURE				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
B.	SUPERSTRUCTURE				
1	<u>Walls & Ring beam & Columns</u>				
	6" Cement & Sand Block	3,203	No		
	Cement & Sand pre cast Lourver Block	784	No		
	DPC (20m long)	7	Roll		
	Sand	21	M ³		
	Cement-50kgs	165	Bags		
	Aggregates (1/2")	10	M ³		
	Reinforcement - 16mm diameter high tensile	8	PC'S		
	Reinforcement - 12mm diameter high tensile	61	PC'S		
	Reinforcement - 8mm diameter	74	PC'S		
	Binding Wire - 1kg	10	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	10	PC'S		
	Timber 1" X 5" (Plates)	5	PC'S		
	Timber 2" X 2"	5	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	588	FT		
	Timber 2" X 4" King Post, wall plate and struss	2,322	FT		
	Timber 2" X 6" Rafter and Tie beam	1,470	FT		
	Fascia board 1" X 10" (5.2m long)	24	PC'S		
	16mm Diameter Anchor bolts; 250mm long	1,040	PC'S		
	12mm Diameter bolts with washer and nuts	1,040	PC'S		
	300 x 100x3mm thick mild steel plate	1,040	PC'S		
	Nails -5"	40	Kgs		
	Nails -4"	20	Kgs		
	Nails -3"	10	Kgs		
	NOTE: The above softwood timber structure should be pressure impregnated treated				
2	<u>Roof Covering -as per ALAF or equal and approved</u>				
	28G IT5 resincoated sheet	297	M ²		
	Hips/Ridge and valley - 28 G	57	PC'S		
	Roofing Nails	18	Packet		
	TO COLLECTION			C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	ROOF STRUCTURE & COVERING CONT...				
				B/F	
3	Gutter's				
	Upvc 125mm half round (6m long)-5"	20	PC'S		
	Upvc 75mm diameter down pipe; Class B	8	PC'S		
	PVC outlet	8	PC'S		
	PVC bend 90'	8	PC'S		
	PVC bend 45'	16	PC'S		
	Gutter support bracket	120	PC'S		
	Gutter Clamp 3"	24	PC'S		
	Connector/reducer	5	PC'S		
	Corner outler	12	PC'S		
	Corner inner	8	PC'S		
	SUB-TOTAL ROOF STRUCTURE & COVERING				
D.	<u>CEILING</u>				
	Gypsum board -9mm thick	76	PC'S		
	Plain Cornice (8ft)	69	PC'S		
	Gypsum Screw 1" 800pcs/box	8	Box		
	Screw 1.25" 800pcs/box	15	Box		
	Gypsum powder	18	Bags		
	Fibre tape	2	Pcs		
	Treated softwood Timber 2" X 2"	2,193	FT		
	Nails 4"	30	Kgs		
	Nails 3"	15	Kgs		
	PVC ceiling with its fittings	23	Pc's		
	SUB-TOTAL FOR CEILING				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
E.	DOOR				
1	<u>40mm thick solid core flush door shutter</u>				
	1500 x 2100 mm high double door	1	PC'S		
	1000 x 2100mm high	6	PC'S		
	900 x 2100mm high	6	PC'S		
2	<u>Frames (hardwood),Varnish, Glass & Burglar bar</u>				
	1500 x 2500 mm high frame for double door	1	PC'S		
	1000 x2500mm high single door frame	6	PC'S		
	900 x 2500mm high frame	2	PC'S		
	900 x 2100mm high frame	4	PC'S		
	4mm thick clear glass to Vents	4	M ²		
	16 mm burglar bars	2	PC'S		
	Brush 3"	3	Pcs		
	Sand paper (msasa) No.80	4	LM		
	Clear Varnish - 4Litres	7	TIN		
	Thinner for Varnish -4Litres	3	Litres		
3	<u>IronMongeries ref: union</u>				
	Mortice lock Three lever - ref: union	9	No		
	Two lever mortice lockasf	4	No		
	Brass hinges - 100mm	21.0	Pairs		
	Wood Screw	5	Box		
	Kick plate size 1000 x 200mm high	12	Pcs		
	Pushing plate	4	Pcs		
	Kick plate size 750 x 200mm high	4	Pcs		
	Kick plate size 900 x 200mm high	12	Pcs		
	SUB-TOTAL FOR DOORS				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
F.	WINDOWS				
1	<u>Supply and fix Aluminium Windows 2mm thick frame with 5mm thick glass, Mosquitor gauze, ironmongeries and all necessary accessories</u>				
	2400 X 750mm high	2	PC'S		
	1600 X 1500mm high	9	PC'S		
	750 X 750mm high	4	PC'S		
2	<u>Supply and fix 4mm thick flat bar grill painted red-oxide</u>				
	1600 X 1500mm high	5	PC'S		
	SUB-TOTAL FOR WINDOWS				
G.	FINISHING				
1	<u>Floor finishing - (ratio 1:4)</u>				
	Sand	10	M ³		
	Cement-50kgs	63	Bags		
	450 x 450x 8mm Non slippery Porcelain floor tiles (1.42 Sqm/Box)	150	Box		
	Skirting (600 mm long; 25No/Box)	10	Box		
	Epoxy Grout (1kg/packet)	31	Packet		
	Spacer	16	Packet		
2	<u>Wall Finishing</u>				
	Sand	20	M ³		
	Cement-50kgs	125	Bags		
	White cement - 50kg	33	Bags		
	Gypsum powder	49	Bags		
	200 x 300mm x 9mm thick ceramic wall tiles (0.97 Sqm/Box)	57	Box		
	Epoxy Grout (1kg/packet)	10	Packet		
	Spacer	5	Packet		
	Sand paper Msasa No.120	2.0	Roll		
	SUB-TOTAL FOR FINISHING				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
H.	PAINTING & DECORATION				
	Emulsion Paint - 20 LTRS	4	buckets		
	Weather guard Paint - 20 LTRS	3	buckets		
	Washable paint -20 LTRS	2	buckets		
	Primer paint -20 LTRS	1	buckets		
	Solvent - 5LTRS	2	TIN		
	Brush 3"	3	Pcs		
	Roller	3	Pcs		
	Gloss paint-4LTR	8	TIN		
	Bitumen paint - 4Litres	2	TIN		
	SUB-TOTAL FOR PAINTING&DECORATION				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
K.	ELECTRICAL INSTALLATION				
1	Single flourescent fiiting, approved philips or equal	24	No		
2	Double flourescent fiiting, approved philips or equal	4	No		
3	Double switch sorcket	14	No		
4	Main switch 12way,3PH with intergral RCD as MEM or equal	1	No		
5	Single core wire 1.5sqmm -Red	200	m		
6	Single core wire 1.5sqmm -Black	200	m		
7	Single core wire 1.5sqmm -green	200	m		
8	Single core wire 2.5sqmm -Red	100	m		
9	Single core wire 2.5sqmm -Black	100	m		
10	Single core wire 2.5sqmm Green	100	m		
11	Ceilling fan, approved National or equal	8	PC'S		
12	16mmsq 4 core cable	30	M		
13	1 gang one way switch	0	No		
14	2gang two way switch	15	No		
15	20A DP switch	0	No		
16	3gang switch	1	No		
17	Gypsum light complete with energy saver 18w	4	No		
18	Earth rod approved copper not less than 1200mm	1	No		
19	Earth wire 4sqmm	20	M		
20	Plastic clips (22mm)	5	BOX		
21	Conduit pipe	100	PC		
22	Metal box double	14	PC		
23	Metal box single	16	PC		
24	Round cover	100	PC		
25	Junction box	60	PC		
26	Elbow	60	PC		
27	Conduit coupling	50	PC		
28	Fine screw	2	Packet		
29	Round Box	30	PC		
	SUB-TOTAL FOR ELECTRICAL INSTALLATION				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
L.	PLUMBING & SANITARY INSTALLATION-PROVISIONAL				
1	Polypipe 3/4	65	m		
2	IPS pipe 1/2	6	PC'S		
3	IPS pipe 3/4"	2	PC'S		
4	IPS Elbow 1/2"	20	PC'S		
5	IPS Elbow 3/4"	10	PC'S		
6	IPS Tee 1/2"	14	PC'S		
7	Strainer	2	PC'S		
8	Angle valve	7	PC'S		
9	Flexible pipe	5	PC'S		
10	IPS nipple 1/2"	21	PC'S		
11	IPS nipple 3/4"	5	PC'S		
12	IPS reducing bush 3/4" - 1/2"	5	PC'S		
13	Bush reducing 3/4" x 1/2"	5	PC'S		
14	IPS union 3/4"	5	PC'S		
15	Tee connector 3/4"	3	PC'S		
16	connector 3/4"	2	PC'S		
17	IPS socket 1/2"	19	PC'S		
18	Bib tap pex 1/2"	12	PC'S		
19	Stop cock pex '1/2"	2	PC'S		
20	Stop cock pex '3/4"	5	PC'S		
21	Thread seal tape	10	PC'S		
22	Toilet shower (shataf)	2	PC'S		
23	Armitage shank hand wash basin sink large catalogue no1179334	2	Nr.		
24	Single drainer stainless steel kitchen sink size 1000 x 600mm	1	Nr.		
25	Shower tray 900 x 900 mm shower with shower mixer and stand complete	2	Nr.		
26	Double drainer sink overall size 1000 x 800 x 600mm high complete	5	Nr.		
27	WC Eastern complete as per Armitage or other approved	2	Nr.		
28	Non tap 1 ^{1/2} "	2	Nr.		
29	PVC pipe 1 ^{1/2} "	2	PC'S		
30	PVC pipe 1 ^{1/4} "	2	PC'S		
31	PVC Pipe 4"	14	PC'S		
32	Gully trap 4"	4	PC'S		
				C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				B/F	
33	PVC tee 1 ^{1/4} "	3	PC'S		
34	PVC tee 1 ^{1/2} "	10	PC'S		
35	PVC bend 1 ^{1/2} "	6	PC'S		
36	PVC bend 1 ^{1/4} "	5	PC'S		
37	PVC plug 1 ^{1/4} "	2	PC'S		
38	PVC plug 1 ^{1/2} "	10	PC'S		
39	P- trap 4'	2	PC'S		
40	Tangit	2	TIN		
41	PVC socket with Female threads 1 ^{1/4} "	2	PC'S		
42	PVC socket with Female threads 1 ^{1/2} "	8	PC'S		
	SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION				

<u>GENERAL SUMMARY</u>		AMOUNT
		TZS
	<u>MATERNITY WAITING WARD</u>	
A.	SUB-STRUCTURE -PROVISIONAL	
B.	SUPERSTRUCTURE	
C.	ROOF STRUCTURE & COVERING	
D.	CEILING	
E.	DOOR	
F.	WINDOWS	
G.	FINISHING	
H.	PAINTING & DECORATION	
K	ELECTRICAL INSTALLATION	
L	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	Kuseti jengo	
2	Uchimbaji wa msingi	
3	Kufukia	
	<u>Kufunga mbao</u>	
4	Pembezoni mwa jamvi	
5	Pembezoni mwa nguzo	
6	Kuondoa mbao	
	<u>Kumwaga zege</u>	
7	Chini kwenye msingi wa tofali	
8	Chini kwenye msingi wa nguzo	
9	katika nguzo ya awali	
10	kwenye jamvi	
11	Ujenzi wa tofali za msingi (2,324 No)	
	<u>Mawe</u>	
12	Upangaji wa mawe na utandazaji wa DPM	
13	Umwagiliaji wa maji	
	Jumla ndogo msingi wa jengo	
B.	<u>Kunyanyua jengo (Super-structure)</u>	
1	Ujenzi wa tofali za kuta na uwekaji DPC (3,987 No)	
	<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>	
1	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>	
4	Msingi wa nyumba	
5	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.	<u>Mifumo ya maji safi na taka (Water Supply and Sewage system)</u>	
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	

MAJUMUISHO (SUMMARY)		
		Shs
A.	Msingi wa Jengo (Sub-structure)	
B.	Kunyanyua jengo (Super-structure)	
C.	Kuezeka (Roof structure and covering)	
D.	Milango	
E.	Umalizijaji (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