

THE UNITED REPUBLIC OF TANZANIA



PRESIDENT'S OFFICE  
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

## PROPOSED STANDARD COUNCIL LEVEL HOSPITALS

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Schedule of Material, Labour & Drawings for Isolation Female Ward

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### PROJECT AREA

TANZANIA MAINLAND

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APRIL, 2018

PO-RALG

# **Schedule of Material**

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<b><u>MATERIALS</u></b>				
<b>A</b>	<b>SUBSTRUCTURE - PROVISIONAL</b>				
1	<b><u>Strip Foundation - Grade 15 Plain</u></b>				
	Aggregate (3/4")	32	M <sup>3</sup>		
	Sand	16	M <sup>3</sup>		
	Cement-50kgs	144	Bags		
2	<b><u>Foundation Walls</u></b>				
	6" Cement & Sand Block	2,716	No		
	Sand	9	M <sup>3</sup>		
	Cement -50kgs	46	Bags		
3	<b><u>Moram, Hardcore &amp; Site sterilization</u></b>				
	Moram (Lorry 4.5M <sup>3</sup> )	16	Trips		
	Hardcore (Lorry 4.5M <sup>3</sup> )	9	Trips		
	Sand	16	M <sup>3</sup>		
	Aldrin solution or equal and other approved	100	Litres		
4	<b><u>Oversite Concrete (100mm thick - 15 grade) Ground Beam - 20 grade &amp; Column base</u></b>				
	DPM	240	M <sup>2</sup>		
	Cement -50kgs	203	Bags		
	Aggregates (1/2")	34	M <sup>3</sup>		
	Sand	17	M <sup>3</sup>		
	Reinforcement - 16mm diameter high tensile	3	PC'S		
	Reinforcement - 12mm diameter high tensile	58	PC'S		
	Reinforcement - 8mm diameter	72	PC'S		
	Timber 1" X 8" (5.2m long)	17	PC'S		
	Timber 2" X 2"	25	PC'S		
	Nails-4"	30	Kgs		
	Nails-3"	15	Kgs		
	Supporting props	20	PC'S		
	<b>SUB-TOTAL SUB STRUCTURE</b>				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>B.</b>	<b>SUPERSTRUCTURE</b>				
1	<b><u>Walls, Columns &amp; Ring beam</u></b>				
	6" Cement & Sand Block	4,930	No		
	Cement & Sand louver Block ( 20 x 20 )	475	No		
	DPC (20m long)	9	Roll		
	Sand	25	M <sup>3</sup>		
	Cement-50kgs	195	Bags		
	Aggregates (1/2")	10	M <sup>3</sup>		
	Reinforcement - 16mm diameter high tensile	7	PC'S		
	Reinforcement - 12mm diameter high tensile	64	PC'S		
	Reinforcement - 8mm diameter	80	PC'S		
	Binding Wire - 1kg	20	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	74	PC'S		
	Timber 1" X 5" (Plates)	20	PC'S		
	Timber 2" X 2"	25	PC'S		
	Supporting Props	35	PC'S		
	<b>SUB-TOTAL SUPER STRUCTURE</b>				
<b>C.</b>	<b>ROOF STRUCTURE &amp; COVERING</b>				
1	<b><u>Roof Structure - Provisional</u></b>				
	Timber 2" X 3" purlins	1,265	FT		
	Timber 2" X 4" kingpost, struss & Wall plate	2,073	FT		
	Timber 2"X 6"rafters and tie beam	1,833	FT		
	Fascia board 1"X 10" (5.2m long)	18	PC'S		
	Nails -5"	35	Kgs		
	Nails -4"	25	Kgs		
	Nails -3"	20	Kgs		
	<b>NOTE:</b> The above soft wood timber structure should be pressure impregnated treated				
	<b>TO COLLECTION</b>			<b>B/F</b>	

SCHEDULE OF MATERIALS

ISOLATION FEMALE WARD- (GROSS FLOOR AREA =282 SQ.M

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				C/F	
2	<b><u>Roof Covering -as per ALAF or other equal approved</u></b>				
	28G IT5 resin coated sheet	400	SQ.M		
	Hips/Ridge - 28 G	21	PC'S		
	valley - 28 G	8	PC'S		
	Roofing Nails	9	Packet		
3	<b><u>Gutter's</u></b>				
	Upvc 125mm half round (6m long)-5"	17	PC'S		
	Upvc 75mm diametre down pipe; Class B	6	PC'S		
	PVC outlet	6	PC'S		
	PVC bend 90'	6	PC'S		
	PVC bend 45'	12	PC'S		
	Gutter support bracket	100	PC'S		
	Gutter Clamp 3"	18	PC'S		
	Connector/reducer	10	PC'S		
	Corner outlet	7	PC'S		
	Corner inner	3	PC'S		
	<b>SUB-TOTAL ROOF STRUCTURE &amp; COVERING</b>				
<b>D.</b>	<b>CEILING</b>				
	Gypsum board -9mm thick	87	PC'S		
	Plain Cornice	96	PC'S		
	Screw 1.25" 500pcs/box	28	Box		
	Gypsum powder	15	Bags		
	Fibre tape	5	Pcs		
	Treated soft wood timber 2" X 2"	2,970	FT		
	Nails 4"	45	Kgs		
	Nails 3"	25	Kgs		
	<b>SUB-TOTAL FOR CEILING</b>				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>E.</b>	<b>DOOR</b>				
1	<b><u>40mm thick solid core flush door shutter</u></b>				
	1500 x 2100 mm high	3	PC'S		
	1800 x 2100 mm high	2	PC'S		
	1000 x 2100 mm high	9	PC'S		
	900 x 2100 mm high	6	PC'S		
2	<b><u>Frames (hardwood),Varnish &amp; Glass</u></b>				
	1500 x 2500 mm high	3	PC'S		
	1800 x 2500 mm high	2	PC'S		
	1000 x 2500mm high	9	PC'S		
	900 x 2500mm high	2	PC'S		
	900 x 2100mm high	4	PC'S		
	4mm thick clear glass to Vents	9	SQ.M		
	Brush 3"	5	Pcs		
	Sand paper (msasa) No.80	7	LM		
	Clear Varnish - 4Litres	4	TIN		
	TINA for Varnish -4Litres	2	Litres		
3	<b><u>Ironmongeries - Union</u></b>				
	Mortice lock - Three lever	20	No		
	Brass hinges - 100mm	25.5	Pairs		
	Barrel bolt - 150mm	20	No		
	Wood Screw	3	Box		
	Kick- plate; 750 x 200mm	12	No		
	Kick- plate; 900 x 200mm	20	No		
	Kick- plate; 1000 x 200mm	18	No		
	Hinges double swing -150mm	9	Pairs		
	Pushing plate	12	No		
	<b>SUB-TOTAL FOR DOORS</b>				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>F.</b>	<b>WINDOWS</b>				
1	<u>Supply and fix Aluminium Windows 2mm thick frame with 5mm thick glass, Mosquitor gauze ironmongeries and all necessary accessories</u>				
	1600 X 1500mm high	9	PC'S		
	3000 X 1500mm high	4	PC'S		
	1500 X 1500mm high	2	PC'S		
	1000 X 750mm high	9	PC'S		
	<b>SUB-TOTAL FOR WINDOWS</b>				
<b>G.</b>	<b>FINISHING</b>				
1	<b>Floor finishing (ratio 1:4)</b>				
	Sand	12	M <sup>3</sup>		
	Cement-50kgs	72	Bags		
	450 X 450 X 8mm thick- Non-slippery porcelain floor tiles -(1.42 sqm/Box)	170	Box		
	Epoxy - Grout (1kg/packet)	38	Bucket		
	Spacer	20	Packet		
	Skirting (600mm long; 25/Box)	14	Box		
2	<b>Wall Finishing</b>				
	Sand	24	M <sup>3</sup>		
	Cement-50kgs	150	Bags		
	White cement - 50kg	10	Bags		
	Gypsum powder	35	Bags		
	Sand pepar No.120 (msasa)	2	Roll		
	200 X 300 x 9mm thick Wall tiles to toilets full height -0.96 sqm/Box)	151	Box		
	Epoxy - Grout (1kg/packet)	22	Packet		
	Spacer	12	Packet		
	<b>WORK TOPS</b>				
	25mm thick granite to work tops	5	PC'S		
	<b>SUB-TOTAL FOR FINISHING</b>				

SCHEDULE OF MATERIALS

ISOLATION FEMALE WARD- (GROSS FLOOR AREA =282 SQ.M

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>H.</b>	<b>PAINTING &amp; DECORATION</b>				
	Emulsion Paint - 20 LTRS	10	buckets		
	Weather guard Paint - 20 LTRS	4	buckets		
	Washable paint -20 LTRS	5	buckets		
	Primer paint -20 LTRS	4	buckets		
	Solvent - 5LTRS	2	TIN		
	Brush 3"	5	Pcs		
	Roller	5	Pcs		
	Gloss paint-4LTR	4	TIN		
	Bitumen paint - 4Litres	3	TIN		
	<b>SUB-TOTAL FOR PAINTING&amp;DECORATION</b>				



SCHEDULE OF MATERIALS

ISOLATION FEMALE WARD- (GROSS FLOOR AREA =282 SQ.M

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>J.</b>	<b>ELECRICAL INSTALLATION</b>				
1	Single fluorescent fitting, approved philips or equal	10	No		
2	Double fluorescent fitting, approved philips or equal	13	No		
3	Double switch socket	18	No		
4	Main switch 8way,3PH with intergral RCD	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 approved uro or equal red	200	m		
9	Single core wire 2.5sqmm approved uro or equal black	200	m		
10	Single core wire 2.5sqmm approved uro or equal green	200	m		
11	Ceiling fan, approved National or equal	6	PC's		
12	4 core cable 16mmsq	30	M		
13	1 gang one way switch	1	No		
14	2gang two way switch	17	No		
15	20A DP switch	0	No		
16	Gypsum light complete with energy saver 18w	7	No		
18	Earth rod approved copper not less than 1200mm	1	No		
19	Earth wire 4sqmm	20	M		
20	Metal box double	18	PC's		
21	Metal box single	18	PC's		
22	Junction box	60	No		
23	Conduit pipe	100	PC's		
24	Elbow	60	PC's		
25	Conduit coupling	50	PC's		
26	Round cover	100	PC's		
27	Round box	30	PC's		
28	fine screw	2	Packet		
29	Plastic clips 22mm	5	Box		
	<b>SUB-TOTAL ELECTRICAL INSTALLATION</b>				

SCHEDULE OF MATERIALS

ISOLATION FEMALE WARD- (GROSS FLOOR AREA =282 SQ.M

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>K.</b>	<b>PLUMBING &amp; SANITARY INSTALLATION</b> (PROVISIONAL)				
1	Polypipe 3/4"	65	M		
2	IPS pipe 1/2"	6	PC'S		
3	IPS pipe 3/4"	4	PC'S		
4	Tee connector 3/4"	7	PC'S		
5	Connector	2	PC'S		
6	Bush reducing 3/4" x 1/2"	9	PC'S		
7	IPS Elbow 1/2"	31	PC'S		
8	IPS Elbow 3/4"	18	PC'S		
9	IPS tee 1/2"	20	PC'S		
10	IPS tee 3/4"	5	PC'S		
11	IPS nipple 1/2"	30	PC'S		
12	IPS nipple 3/4"	9	PC'S		
13	IPS union 3/4"	9	PC'S		
14	IPS socket 1/2"	27	PC'S		
15	Angle valve 1/2"	22	PC'S		
16	Bib tape pex 1/2"	8	PC'S		
17	Stop cock pex '3/4"	9	PC'S		
18	Stop cock pex '1/2"	6	PC'S		
19	Flexible pipe	17	PC'S		
20	Thread seal tape	15	PC'S		
21	PVC pipe 1 1/2"	2	PC'S		
22	PVC pipe 1 1/4"	3	PC'S		
23	PVC pipe 4' CLASS C"	14	PC'S		
24	PVC bend 1 1/2"	7	PC'S		
25	PVC tee 1 1/4"	11	PC'S		
26	PVC tee 1 1/2"	7	PC'S		
27	PVC bend 1 1/4"	10	PC'S		
28	PVC plug 1 1/4"	8	PC'S		
29	PVC plug 1 1/2"	5	PC'S		
30	Non-trap 1 1/2"	5	PC'S		
31	Stainer	5	PC'S		
32	P-trap 4"	1	PC'S		
33	PVC gully trap 4"	9	PC'S		
34	Tangit	4	TIN		
35	PVC socket with Female threads 1 1/4"	10	PC'S		
36	PVC socket with Female threads 1 1/2"	2	PC'S		
37	WC squatting Complete with P trap -Asian type	4	PC'S		
				<b>C/F</b>	

SCHEDULE OF MATERIALS

ISOLATION FEMALE WARD- (GROSS FLOOR AREA =282 SQ.M

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				<b>B/F</b>	
38	Toilet shower (shataf)	6	PCS		
39	Sluice sink complete with pilar tape and all necessary accessories as per approved	1	PCS		
40	Shower rose complet with stand and mixer (chrome)	6	PCS		
41	Hands wash basin complete with 6" Levers operating for elbow control and its accessories	8	PCS		
42	Mirror	8	PCS		
43	Stainless kitchen sink single bowl and drain complete with all necessary fittings and its accessories as per approved	2	PCS		
	<b>SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION</b>				

<b><u>GENERAL SUMMARY</u></b>		<b>AMOUNT</b>
		<b>TZS</b>
<b><u>ISOLATION FEMALE WARD</u></b>		
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)	
<b>TOTAL MATERIALS COST</b>		<b>TZS</b>

# **Schedule of Labour**

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
<b>A</b>	<b><u>Msingi wa Jengo (Sub-structure)</u></b>	
1	Kusafisha eneo	
2	Kuseti jengo	
3	Uchimbaji wa msingi	
4	Kufukia	
	<b><u>Kufunga mbao</u></b>	
5	Pembezeni mwa jamvi	
6	Pembezeni mwa nguzo	
7	Kuondoa mbao	
	<b><u>Kumwaga zege</u></b>	
8	Chini kwenye msingi wa tofali	
9	Chini kwenye msingi wa nguzo	
10	katika nguzo ya awali	
11	kwenye jamvi	
12	Ujenzi wa tofali (2716 pc's)	
	<b><u>Mawe</u></b>	
13	Upangaji wa mawe na utandazaji wa DPM	
14	Umwagiliaji wa maji	
	<b>Jumla ndogo msingi wa jengo</b>	
<b>B.</b>	<b><u>Kunyanyua jengo (Super-structure)</u></b>	
1	Ujenzi wa tofali za kuta na uwekaji DPC (4930PC'S)	
	<b><u>Kufunga mbao katika:</u></b>	
2	Nguzo mlalo	
3	Nguzo wima	
	<b><u>Kusuka nondo katika:</u></b>	
4	Nguzo mlalo	
5	Nguzo wima	
	<b><u>Kumwaga zege katika:</u></b>	
6	Nguzo mlalo	
7	Nguzo wima	
8	Umwagiliaji wa maji	
<b>C.</b>	<b><u>Kuezeka (Roof structure and covering)</u></b>	
	Kuezeka na ufungaji wa gata	
	<b>Jumla ndogo kunyanyua jengo</b>	

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

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
H.	<b>Mifumo ya maji safi na taka (Water Supply and Sewage system)</b>	
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	
	<b>Jumla ndogo Mifumo ya maji safi na taka</b>	



<b>MAJUMUISHO (SUMMARY)</b>		
		<b>Shs</b>
A.	Msingi wa Jengo (Sub-structure)	
B.	Kunyanyua jengo (Super-structure)	
C.	Kuezekka (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)	
	<b>JUMLA KUU Shs.</b>	

**ANGALIZO:**

Fundi anatakiwa kujaza hii fomu kwa kupitia mchoro wa jengo husika

# **Drawings**