

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 Medical 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")	36	M <sup>3</sup>		
	Sand	18	M <sup>3</sup>		
	Cement-50kgs	162	Bags		
2	<b><u>Foundation Walls</u></b>				
	6" Cement & Sand Block	3,108	No		
	Sand	10	M <sup>3</sup>		
	Cement -50kgs	52	Bags		
3	<b><u>Moram, Hardcore &amp; Site sterilization</u></b>				
	Moram (Lorry 4.5M <sup>3</sup> )	27	Trips		
	Hardcore (Lorry 4.5M <sup>3</sup> )	14	Trips		
	Sand	18	M <sup>3</sup>		
	Aldrin solution or equal and other approved	199	Litres		
4	<b><u>Oversite Concrete (100mm thickM - 15 grade) Ground Beam - 20 grade, and Column base</u></b>				
	DPM	402	M <sup>2</sup>		
	Cement -50kgs	304	Bags		
	Aggregates (1/2")	54	M <sup>3</sup>		
	Sand	28	M <sup>3</sup>		
	Reinforcement - 16mm diameter high tensile	7	PC'S		
	Reinforcement - 12mm diameter high tensile	72	PC'S		
	Reinforcement - 8mm diameter	90	PC'S		
	Timber 1" X 8" (5.2m long)	19	PC'S		
	Timber 2" X 2"	20	PC'S		
	Nails-4"	25	Kgs		
	Nails-3"	15	Kgs		
	Supporting props	35	PC'S		
	<b>SUB-TOTAL SUB STRUCTURE</b>				

SCHEDULE OF MATERIALS

MEDICAL FEMALE WARD - (GROSS FLOOR AREA =444 SQ.M)

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	5,379	No		
	DPC (20m long)	12	Roll		
	Sand	28	M <sup>3</sup>		
	Cement-50kgs	228	Bags		
	Aggregates (1/2")	13	M <sup>3</sup>		
	Reinforcement - 16mm diameter high tensile	16	PC'S		
	Reinforcement - 12mm diameter high tensile	101	PC'S		
	Reinforcement - 8mm diameter	124	PC'S		
	Binding Wire - 1kg	25	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	94	PC'S		
	Timber 1" X 5" (Plates)	24	PC'S		
	Timber 2" X 2"	20	PC'S		
	Supporting Props	65	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	1,526	FT		
	Timber 2" X 4" kingpost/struss	3,048	FT		
	Timber 2"X 6"rafters and tie beam	2,159	FT		
	Fascia board 1"X 10" (5.2m long)	20	PC'S		
	Nails -5"	35	Kgs		
	Nails -4"	40	Kgs		
	Nails -3"	25	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

MEDICAL FEMALE WARD - (GROSS FLOOR AREA =444 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	556	SQ.M		
	Hips/Ridge - 28 G	27	PC'S		
	valley - 28 G	5	PC'S		
	Roofing Nails	15	Packet		
3	<b><u>Gutter's</u></b>				
	Upvc 125mm half round (6m long)-5"	17	PC'S		
	Upvc 75mm diameter down pipe; Class B	4	PC'S		
	PVC outlet	4	PC'S		
	PVC bend 90'	4	PC'S		
	PVC bend 45'	8	PC'S		
	Gutter support bracket	102	PC'S		
	Gutter Clamp 3"	12	PC'S		
	Connector/reducer	17	PC'S		
	Corner outlet	4	PC'S		
	<b>SUB-TOTAL ROOF STRUCTURE &amp; COVERING</b>				
<b>E.</b>	<b>CEILING</b>				
	Gypsum board -9mm thick	140	PC'S		
	Plain Cornice	177	PC'S		
	Screw 1.25" 500pcs/box	45	Box		
	Gypsum powder	23	Bags		
	Fiber tape	5	Pcs		
	Treated soft wood timber 2" X 2"	4,746	FT		
	Nails 4"	15	Kgs		
	Nails 3"	20	Kgs		
	<b>SUB-TOTAL FOR CEILING</b>				

SCHEDULE OF MATERIALS

MEDICAL FEMALE WARD - (GROSS FLOOR AREA =444 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>F.</b>	<b>DOOR</b>				
1	<b><u>40mm thick solid core flush door shutter</u></b>				
	1500 x 2100 mm high	4	PC'S		
	1000 x 2100 mm high	11	PC'S		
	900 x 2100mm high	13	PC'S		
2	<b><u>Frames (hardwood),Varnish &amp; Glass</u></b>				
	1500 x 2500 mm high	4	PC'S		
	1000 x 2100 mm high	11	PC'S		
	900 x 2500mm high	4	PC'S		
	900 x 2100mm high	9	PC'S		
	4mm thick clear glass to Vents	9	SQ.M		
	Brush 3"	5	Pcs		
	Sand paper (msasa) No.80	10	LM		
	Clear Varnish - 4Litres	5	TIN		
	TINA for Varnish -4Litres	2	Litres		
3	<b><u>Ironmongeries - Union</u></b>				
	Mortice lock - Three lever	28	No		
	Brass hinges - 100mm	36	Pairs		
	Barrel bolt - 150mm	17	No		
	Wood Screw	3	Box		
	Kick- plate; 750 x 200mm	16	No		
	Kick- plate; 1000 x 200mm	22	No		
	Kick- plate; 900 x 200mm	26	No		
	Hinges double swing -150mm	12	Pairs		
	Pushing plate	16	No		
	<b>SUB-TOTAL FOR DOORS</b>				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>G.</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	14	PC'S		
	3000 X 1500mm high	2	PC'S		
	1500 X 1500mm high	1	PC'S		
	1000 X 750mm high	13	PC'S		
	<b>SUB-TOTAL FOR WINDOWS</b>				
<b>H.</b>	<b>FINISHING</b>				
1	<b>Floor finishing - (ratio 1:4)</b>				
	Sand	18	M <sup>3</sup>		
	Cement-50kgs	116	Bags		
	450 X 450 X 8 mm thick- Non-slippery porcelain floor tiles -(1.42 sqm/Box)	284	Box		
	Epoxy - Grout (1kg/packet)	61	Bucket		
	Spacer	33	Packet		
	Skirting (600mm long; 25/Box)	22	Box		
2	<b>Wall Finishing</b>				
	Sand	32	M <sup>3</sup>		
	Cement-50kgs	202	Bags		
	White cement - 50kg	13	Bags		
	Gypsum powder	48	Bags		
	Sand pepar No.120 (msasa)	2	Roll		
	200 X 300 x 9mm thick Wall tiles to toilets full height -0.96 sqm/Box)	216	Box		
	Epoxy - Grout (1kg/packet)	32	Packet		
	Spacer	17	Packet		
	<b>WORK TOPS</b>				
	25mm thick granite to work tops	7	PC'S		
	<b>SUB-TOTAL FOR FINISHING</b>				

SCHEDULE OF MATERIALS

MEDICAL FEMALE WARD - (GROSS FLOOR AREA =444 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>J.</b>	<b>PAINTING &amp; DECORATION</b>				
	Emulsion Paint - 20 LTRS	16	buckets		
	Weather guard Paint - 20 LTRS	4	buckets		
	Washable paint -20 LTRS	3	buckets		
	Primer paint -20 LTRS	3	buckets		
	Solvent - 5LTRS	4	TIN		
	Brush 3"	7	Pcs		
	Roller	5	Pcs		
	Gloss paint-4LTR	3	TIN		
	Bitumen paint - 4Litres	4	TIN		
	<b>SUB-TOTAL FOR PAINTING&amp;DECORATION</b>				



SCHEDULE OF MATERIALS

MEDICAL FEMALE WARD - (GROSS FLOOR AREA =444 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>K.</b>	<b>ELECTRICAL INSTALLATION</b>				
1	Single fluorescent fitting, approved philips or equal	12	No		
2	Double fluorescent fitting, approved philips or equal	16	No		
3	Double switch socket	26	No		
4	Main switch 8way,3PH with intergral RCD	1	No		
5	Single core wire 1.5sqmm - Red	400	m		
6	Single core wire 1.5sqmm - Black	400	m		
7	Single core wire 1.5sqmm -green	300	m		
8	Single core wire 2.5sqmm approved uro or equal red	300	m		
9	Single core wire 2.5sqmm approved uro or equal black	300	m		
10	Single core wire 2.5sqmm approved uro or equal green	300	m		
11	Ceiling fan, approved National or equal	11	PC's		
12	4 core cable 16mmsq	30	M		
13	1gang one way switch	2	No		
14	2gang two way switch	17	No		
15	20A DP switch	0	No		
16	Lan socket	1	No		
17	Gypsum light complete with energy saver 18w	18	No		
18	Earth rod approved copper not less than 1200mm	2	No		
19	Earth wire 4sqmm	30	M		
20	Metal box double	26	No		
21	Metal box single	20	No		
22	Junction box	80	No		
23	Conduit pipe	150	PC's		
24	Elbow	90	PC's		
25	Conduit coupling	75	PC's		
26	Round cover	80	PC's		
27	Round box	80	PC's		
28	fine screw	6	Packet		
					<b>C/F</b>

SCHEDULE OF MATERIALS

MEDICAL FEMALE WARD - (GROSS FLOOR AREA =444 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				<b>B/F</b>	
29	Plastic clips 22mm	7	Box		
30	Telephone socket outlet	1	PC'S		
	<b>SUB-TOTAL ELECTRICAL INSTALLATION</b>				

SCHEDULE OF MATERIALS

MEDICAL FEMALE WARD - (GROSS FLOOR AREA =444 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>L.</b>	<b>PLUMBING &amp; SANITARY INSTALLATION</b> (PROVISIONAL)				
1	Polypipe 3/4"	105	M		
2	Tee connector 3/4"	11	PC'S		
3	Connector 3/4"	2	PC'S		
4	IPS Elbow 1/2"	25	PC'S		
5	IPS Elbow 3/4"	21	PC'S		
6	IPS tee 1/2"	20	PC'S		
7	IPS nipple 1/2"	2	PC'S		
8	IPS nipple 3/4"	10	PC'S		
9	IPS union 3/4"	9	PC'S		
10	Angle valve 1/2"	23	PC'S		
11	Bib tape pex 1/2"	7	PC'S		
12	Non-return valve 3/4"	1	PC'S		
13	Stop cock pex 1/2"	4	PC'S		
14	Stop cock pex 3/4"	12	PC'S		
15	Thread seal tape	30	PC'S		
16	PVC pipe 1 1/2"	1	PC'S		
17	PVC pipe 1 1/4"	2	PC'S		
18	PVC pipe 4' CLASS C"	1	PC'S		
19	PVC bend 4"	1	PC'S		
20	PVC bend 1 1/2"	7	PC'S		
21	PVC tee 1 1/4"	8	PC'S		
22	PVC tee 1 1/2"	7	PC'S		
25	PVC bend 1 1/4"	10	PC'S		
26	PVC bend with cleaning eye 4"	1	PC'S		
27	PVC plug 1 1/4"	6	PC'S		
28	PVC plug 1 1/2"	7	PC'S		
29	Non-trap 1 1/2"	4	PC'S		
30	Tangit	2	TIN		
31	PVC socket with Female threads 1 1/4"	11	PC'S		
33	PVC socket with Female threads 1 1/2"	3	PC'S		
34	Flexible pipe 1/2"	15	PC'S		
35	WC squatting Complete with P trap -Asian type	5	PC'S		
				<b>C/F</b>	

SCHEDULE OF MATERIALS

MEDICAL FEMALE WARD - (GROSS FLOOR AREA =444 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				<b>B/F</b>	
36	WC High level complete with all necessary fittings	1	PC'S		
37	Sluice sink complete with pilar tape and all necessary accessories as per approved	1	PC'S		
38	Shower rose complet with stand and mixer (chrome)	4	PC'S		
39	Toilet shower (shataf)	6	PC'S		
40	Hands wash basin complete with 6" Levers operating for elbow control and its accessories	11	PC'S		
41	Mirror	11	PC'S		
42	Stainless kitchen sink double bowl and drain complete with all necessary fittings and accessories as per approved	2	PC'S		
	<b>SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION</b>				

<b><u>GENERAL SUMMARY</u></b>		<b>AMOUNT</b>
		<b>TZS</b>
<b><u>MEDICAL 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 (3108 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 (5379PC'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**