

THE UNITED REPUBLIC OF TANZANIA



PRESIDENT'S OFFICE  
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

## PROPOSED STANDARD COUNCIL HOSPITALS

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Schedule of Material, Labour & Drawings for Sterile Supply Dept.  
Block

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### PROJECT AREA

#### TANZANIA MAINLAND

Ministry of Health, Community  
Development, Gender, Elderly and Children,  
University of Dodoma,  
College of Humanities,  
& Social Science 11<sup>th</sup> Building,  
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& Local Government,  
Mkapa House,  
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41185 DODOMA.

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")	26	M <sup>3</sup>		
	Sand	13	M <sup>3</sup>		
	Cement-50kgs	117	Bags		
2	<b><u>Foundation Walls</u></b>				
	6" Cement & Sand Block	2,394	No		
	Sand	8	M <sup>3</sup>		
	Cement -50kgs	40	Bags		
3	<b><u>Moram, Hardcore &amp; Site sterilization</u></b>				
	Moram (Lorry 4.5M <sup>3</sup> )	18	Trips		
	Hardcore (Lorry 4.5M <sup>3</sup> )	9	Trips		
	Sand	10	M <sup>3</sup>		
	Aldrin solution or equal and other approved	150	Litres		
4	<b><u>Oversite Concrete (100mm thick - 15 grade) Ground Beam - 20 grade &amp; Column base</u></b>				
	DPM	258	M <sup>2</sup>		
	Cement -50kgs	204	Bags		
	Aggregates (1/2")	36	M <sup>3</sup>		
	Sand	18	M <sup>3</sup>		
	Reinforcement - 16mm diameter high tensile	2	PC'S		
	Reinforcement - 12mm diameter high tensile	54	PC'S		
	Reinforcement - 8mm diameter	67	PC'S		
	Timber 1" X 8" (5.2m long)	14	PC'S		
	Timber 2" X 2"	13	PC'S		
	Nails-4"	20	Kegs		
	Nails-3"	15	Kegs		
	Supporting props	25	PC'S		
	<b>SUB-TOTAL SUB STRUCTURE</b>				

SCHEDULE OF MATERIALS

CENTRAL STERILE SUPPLY DEPT - (GROSS FLOOR AREA =291 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	4,031	No		
	DPC (20m long)	8	Roll		
	Sand	24	M <sup>3</sup>		
	Cement-50kgs	176	Bags		
	Aggregates (1/2")	11	M <sup>3</sup>		
	Reinforcement - 16mm diameter high tensile	6	PC'S		
	Reinforcement - 12mm diameter high tensile	62	PC'S		
	Reinforcement - 8mm diameter	87	PC'S		
	Binding Wire - 1kg	14	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	71	PC'S		
	Timber 1" X 5" (Plates)	21	PC'S		
	Timber 2" X 2"	15	PC'S		
	Supporting Props	30	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	1,068	FT		
	Timber 2" X 4" kingpost, struss & wall plate	1,967	FT		
	Timber 2"X 6"rafters and tie beam	1,111	FT		
	Fascia board 1"X 10" (5.2m long)	15	PC'S		
	Nails -5"	25	Kgs		
	Nails -4"	33	Kgs		
	Nails -3"	18	Kgs		
	<b>NOTE:</b> The above soft wood timber structure should be pressure impregnated treated				
	<b>TO COLLECTION</b>			<b>B/F</b>	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				C/F	
2	<b><u>Roof Covering-as per ALAF or other equal and approved</u></b>				
	28G IT5 resin coated sheet	381	M <sup>2</sup>		
	Hips/Ridge - 28 G	27	PC'S		
	valley - 28 G	2	PC'S		
	Roofing Nails	8	Packet		
3	<b><u>Gutter's</u></b>				
	Upvc 125mm half round (6m long)-5"	15	PC'S		
	Upvc 75mm diameter 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	85	PC'S		
	Gutter Clamp 3"	18	PC'S		
	Connector/reducer	7	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 -9 mm thick	90	PC'S		
	Plain Cornice (8ft)	115	PC'S		
	Screw 1.25" 500pcs/box	29	Box		
	Gypsum powder	15	Bags		
	Fiber tape	3	Pcs		
	Treated soft wood timber 2" X 2"	3,397	FT		
	Nails 4"	25	Kgs		
	Nails 3"	30	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>				
	1200 x 2100 mm high	12	PC'S		
	900 x 2100mm high	11	PC'S		
2	<b><u>Frames (hardwood),Varnish &amp; Glass</u></b>				
	1200 x 2500 mm high	12	PC'S		
	900 x 2500mm high	7	PC'S		
	900 x 2100mm high	4	PC'S		
	5mm thick clear glass to Vents	9	SQ.M		
	Brush 3"	5	Pcs		
	Sand paper (msasa) No.80	12	LM		
	Clear Varnish - 4Litres	3	TIN		
	TINA for Varnish -4Litres	2	Litres		
3	<b><u>Ironmongeries - Ref. Union</u></b>				
	Mortice lock - Three lever	23	No		
	Brass hinges - 100mm	16.5	Pairs		
	Barrel bolt - 150mm	24	No		
	Wood Screw	4	Box		
	Kick- plate; 600 x 200mm	48	No		
	Kick- plate; 900 x 200mm	22	No		
	Hinges double swing -150mm	36	Pairs		
	Pushing plate	48	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, Mosquito gauze ironmongeries and all necessary accessories</u>				
	1600 X 1500mm high	15	PC'S		
	1800 X 1500mm high	1	PC'S		
	1500 X 1500mm high	8	PC'S		
	750 X 750mm high	5	PC'S		
	<b>SUB-TOTAL FOR WINDOWS</b>				
<b>G.</b>	<b>FINISHING</b>				
1	<u>Floor finishing - (ratio 1:4)</u>				
	Sand	12	M <sup>3</sup>		
	Cement-50kgs	75	Bags		
	450 X 450 x 8mm thick - Non-slippery porcelain floor tiles -(1.42 sqm/Box)	183	Box		
	Epoxy - Grout (1kg/packet)	39	Packet		
	Spacer	21	Packet		
	Skirting (600mm long; 25/Box)	17	Box		
2	<u>Wall Finishing</u>				
	Sand	23	M <sup>3</sup>		
	Cement-50kgs	140	Bags		
	White cement - 50kg	10	Bags		
	Gypsum powder	13	Bags		
	Sand pepar No.120 (msasa)	2	Roll		
	200 x 300 x 9mm thick ceramic wall tiles to toilets full height -0.96 sqm/Box)	84	Box		
	Epoxy - Grout (1kg/packet)	3	Packet		
	Spacer	2	Packet		
	<b>SUB-TOTAL FOR FINISHING</b>				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>H.</b>	<b>PAINTING &amp; DECORATION</b>				
	Emulsion Paint - 20 LTRS	15	buckets		
	Weather guard Paint - 20 LTRS	4	buckets		
	Washable paint -20 LTRS	3	buckets		
	Primer paint -20 LTRS	3	buckets		
	Solvent - 5LTRS	2	TIN		
	Brush 3"	2	Pcs		
	Roller	3	Pcs		
	Gloss paint-4LTR	2	TIN		
	Bitumen paint - 4Litres	2	TIN		
	<b>SUB-TOTAL FOR PAINTING&amp;DECORATION</b>				



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	17	No		
3	Double switch socket	16	No		
4	Main switch 8way,3PH with intergral RCD	1	No		
5	Single core wire 1.5sqmm - Red	300	m		
6	Single core wire 1.5sqmm - Black	300	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	5	PC's		
12	4 core cable 16mmsq	30	M		
13	1gang one way switch	3	No		
14	2gang two way switch	14	No		
15	4gang one way switch	1	No		
16	Industrial socket	1	No		
17	Lan socket	0	No		
18	Gypsum light complete with energy saver 18w	9	No		
19	Earth rod approved copper not less than 1200mm	1	No		
20	Earth wire 4sqmm	20	m		
21	Metal box double	16	PC's		
22	Metal box single	18	PC's		
23	Junction box	40	PC's		
24	Conduit pipe	180	PC's		
25	Elbow	30	PC's		
26	Conduit coupling	40	PC's		
27	Round cover	40	PC's		
28	Round box	15	PC's		
29	fine screw	5	Packet		
				<b>C/F</b>	

SCHEDULE OF MATERIALS

CENTRAL STERILE SUPPLY DEPT - (GROSS FLOOR AREA =291 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				<b>B/F</b>	
30	Plastic clips 22mm	3	Box		
	<b>SUB-TOTAL ELECTRICAL INSTALLATION</b>				

SCHEDULE OF MATERIALS

CENTRAL STERILE SUPPLY DEPT - (GROSS FLOOR AREA =291 SQ.M)

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

SCHEDULE OF MATERIALS

CENTRAL STERILE SUPPLY DEPT - (GROSS FLOOR AREA =291 SQ.M)

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				<b>B/F</b>	
41	WC High level complet with all necessary fittings	2	PC'S		
42	Scrub sink complete with pilar tape and all necessary accessories as per approved	1	PC'S		
43	Shower rose complet with stand and mixer (chrome).	2	PC'S		
44	Toilet shower (shataf)	2	PC'S		
45	Hands wash basin complete with 6" Levers operating for elbow control and its accessories	3	PC'S		
46	Mirror	3	PC'S		
47	Stainless kitchen sink single 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>CENTRAL STERILE SUPPLY DEPT.</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	Pembezoni mwa jamvi	
6	Pembezoni 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 (2394pc'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 (4031PC'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>Umaliziaji (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 umaliziaji(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