

THE UNITED REPUBLIC OF TANZANIA



PRESIDENT'S OFFICE  
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

## PROPOSED STANDARD COUNCIL LEVEL HOSPITALS

---

Schedule of Material, Labour & Drawings for Health Care Technical  
Services (HCTS) Block

---

### 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,  
P. O. Box 743,  
40478 DODOMA.

President's Office,  
Regional Administration,  
& Local Government,  
Mkapa House,  
Mlezi Road,  
P. O. Box 1923,  
41185 DODOMA.

APRIL, 2018

PO-RALG

# **Schedule of Material**

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<b>MATERIALS</b>				
<b>A</b>	<b>SUBSTRUCTURE - PROVISIONAL</b>				
1	<b><u>Strip Foundation - Grade 15 Plain</u></b>				
	Aggregate (3/4")	15	M <sup>3</sup>		
	Sand	8	M <sup>3</sup>		
	Cement-50kgs	68	Bags		
2	<b><u>Foundation Walls</u></b>				
	6" Cement & Sand Block	1,302	No		
	Sand	4	M <sup>3</sup>		
	Cement -50kgs	22	Bags		
3	<b><u>Moram, Hardcore &amp; Site sterilization</u></b>				
	Moram (Lorry 4.5M <sup>3</sup> )	8	Trips		
	Hardcore (Lorry 4.5M <sup>3</sup> )	4	Trips		
	Sand	5	M <sup>3</sup>		
	Aldrin solution or equal and other approved	25	Litres		
4	<b><u>Oversite Concrete (100mm thick - 15 grade) Ground Beam - 20 grade &amp; Column base</u></b>				
	DPM	112	M <sup>2</sup>		
	Cement -50kgs	101	Bags		
	Aggregates (1/2")	17	M <sup>3</sup>		
	Sand	9	M <sup>3</sup>		
	Reinforcement - 12mm diameter high tensile	27	PC'S		
	Reinforcement - 8mm diameter	35	PC'S		
	Timber 1" X 8" (5.2m long)	10	PC'S		
	Timber 2" X 2"	10	PC'S		
	Nails-4"	11	Kgs		
	Nails-3"	7	Kgs		
	Supporting props	9	PC'S		
	<b>SUB-TOTAL SUB STRUCTURE</b>				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>B.</b>	<b>SUPERSTRUCTURE</b>				
1	<b>Walls &amp; Ring beam</b>				
	6" Cement & Sand Block	2,418	No		
	DPC (20m long)	5	Roll		
	Sand	13	M <sup>3</sup>		
	Cement-50kgs	96	Bags		
	Aggregates (1/2")	5	M <sup>3</sup>		
	Reinforcement - 12mm diameter high tensile	27	PC'S		
	Reinforcement - 8mm diameter	34	PC'S		
	Binding Wire - 1kg	5	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	31	PC'S		
	Timber 1" X 5" (Plates)	11	PC'S		
	Timber 2" X 2"	9	PC'S		
	Supporting Props	25	PC'S		
	<b>SUB-TOTAL SUPER STRUCTURE</b>				
<b>C.</b>	<b>ROOF STRUCTURE &amp; COVERING</b>				
1	<b>Roof Structure - Provisional</b>				
	Timber 2" X 3" purlins	576	FT		
	Timber 2" X 4" kingpost, struss & Wall plate	1,210	FT		
	Timber 2"X 6"rafters and tie beam	621	FT		
	Fascia board 1"X 10" (5.2m long)	10	PC'S		
	Nails -5"	20	Kgs		
	Nails -4"	15	Kgs		
	Nails -3"	10	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 approved</u></b>				
	28G IT5 resin coated sheet	188	M <sup>2</sup>		
	Hips/Ridge - 28 G	12	PC'S		
	Roofing Nails	4	Packet		
3	<b><u>Gutter's</u></b>				
	Upvc 125mm half round (6m long)-5"	8	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	46	PC'S		
	Gutter Clamp 3"	12	PC'S		
	Connector/reducer	6	PC'S		
	Corner outlet	4	PC'S		
	<b>SUB-TOTAL ROOF STRUCTURE &amp; COVERING</b>				
<b>D.</b>	<b>CEILING</b>				
	Gypsum board -9mm thick	40	PC'S		
	Plain Cornice	48	PC'S		
	Screw 1.25" 500pcs/box	13	Box		
	Gypsum powder	7	Bags		
	Fiber tape	2	Pcs		
	Treated soft wood timber 2" X 2"	1,395	FT		
	Nails 4"	15	Kgs		
	Nails 3"	10	Kgs		
	<b>SUB-TOTAL FOR CEILING</b>				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>E.</b>	<b>DOOR</b>				
1	<b><u>45mm thick Pannelled door shutter</u></b>				
	1500 x 2100 mm high	4	PC'S		
2	<b><u>40mm thick solid core flush door shutter</u></b>				
	900 x 2100 mm high	5	PC'S		
3	<b><u>Frames (hardwood),Varnish &amp; Glass</u></b>				
	1500 x 2500 mm high	4	PC'S		
	900 x 2500 mm high	5	PC'S		
	4mm thick clear glass to Vents	4	SQ.M		
	Brush 3"	3	Pcs		
	Sand paper (msasa) No.80	4	LM		
	Clear Varnish - 4Litres	2	TIN		
	TINA for Varnish -4Litres	2	Litres		
3	<b><u>Ironmongeries - Union</u></b>				
	Mortice lock - Three lever	9	No		
	Brass hinges - 100mm	7.5	Pairs		
	Barrel bolt - 150mm	8	No		
	Wood Screw	2	Box		
	Kick- plate; 750 x 200mm	16	No		
	Kick- plate; 900 x 200mm	10	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>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	3	PC'S		
	2800 X 900mm high	6	PC'S		
	1000 X 750mm high	2	PC'S		
2	<u>Supply and fix 32 x 32mm steel square pipe window grill painted red-oxide</u>				
	1500 X 1500mm high	3	PC'S		
	2800 X 900mm high	6	PC'S		
	1000 X 750mm high	2	PC'S		
	<b>SUB-TOTAL FOR WINDOWS</b>				
<b>G.</b>	<b>FINISHING</b>				
1	<b>Floor finishing - (ratio 1:4)</b>				
	Sand	6	M <sup>3</sup>		
	Cement-50kgs	34	Bags		
	450 X 450 X 8 mm thick - Non-slippery porcelain floor tiles -(1.42 sqm/Box)	81	Box		
	Epoxy - Grout (1kg/packet)	18	Bucket		
	Spacer	10	Packet		
	Skirting (600mm long; 25/Box)	7	Box		
2	<b>Wall Finishing</b>				
	Sand	9	M <sup>3</sup>		
	Cement-50kgs	55	Bags		
	White cement - 50kg	7	Bags		
	Gypsum powder	17	Bags		
	Sand pepar No.120 (msasa)	1	Roll		
	200 X 300 x 9mm thick Wall tiles to toilets full height -0.96 sqm/Box)	59	Box		
	Epoxy - Grout (1kg/packet)	9	Packet		
	Spacer	5	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	6	buckets		
	Weather guard Paint - 20 LTRS	2	buckets		
	Washable paint -20 LTRS	2	buckets		
	Primer paint -20 LTRS	3	buckets		
	Solvent - 5LTRS	1	TIN		
	Brush 3"	3	Pcs		
	Roller	2	Pcs		
	Gloss paint-4LTR	1	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 fiiting, approved philips or equal	2	No		
2	Double flourescent fiiting, approved philips or equal	9	No		
3	Double switch socket	8	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	5	PC's		
12	4 core cable 16mmsq	20	M		
13	4 gang one way switch	1	No		
14	2gang two way switch	7	No		
15	20A DP switch	0	No		
16	Lan socket	0	No		
17	Gypsum light complete with energy saver 18w	5	No		
18	Earth rod approved copper not less than 1200mm	1	No		
19	Earth wire 4sqmm	20	M		
20	Metal box double	8	No		
21	Metal box single	8	No		
22	Junction box	15	No		
23	Conduit pipe	80	PC's		
24	Elbow	30	PC's		
25	Conduit coupling	30	PC's		
26	Round cover	100	PC's		
27	Round box	20	PC's		
28	fine screw	2	Packet		
29	Plastic clips 22mm	3	Box		
30	Telephone socket outlet	0	PC's		
	<b>SUB-TOTAL ELECTRICAL INSTALLATION</b>				

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

<b>GENERAL SUMMARY</b>		<b>AMOUNT</b>
		<b>TZS</b>
<b>HCTS BLOCK</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 (1302pc'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 (2418PC'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.	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)	
	<b>JUMLA KUU Shs.</b>	

**ANGALIZO:**

Fundi anatakiwa kujaza hii fomu kwa kupitia mchoro wa jengo husika



# Drawings