

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 Laundry Block

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### PROJECT AREA

TANZANIA MAINLAND

Ministry of Health, Community  
Development, Gender, Elderly and Children,  
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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>SUB-STRUCTURE -PROVISIONAL</b>				
1	<b><u>Strip Foundation - Grade 15 Plain</u></b>				
	Aggregate (3/4")	23	M <sup>3</sup>		
	Sand	12	M <sup>3</sup>		
	Cement-50kgs	104	Bags		
2	<b><u>Foundation Walls</u></b>				
	6" Cement & Sand Block	1,554	No		
	Sand	5.0	M <sup>3</sup>		
	Cement -50kgs	26	Bags		
3	<b><u>Moram, Hardcore &amp; Site sterilization</u></b>				
	Moram (4.5m <sup>3</sup> lorry)	19	Trips		
	Hardcore (4.5m <sup>3</sup> lorry)	13	Trips		
	Sand	15	M <sup>3</sup>		
	Aldrin solution or equal and approved (Diluted)	285	Litres		
4	<b><u>Oversite Concrete (100mm thick - 15 grade) &amp; Ground Beam - 20 grade and column base</u></b>				
	DPM	285	M <sup>2</sup>		
	Cement -50kgs	234	Bags		
	Aggregates (1/2")	40	M <sup>3</sup>		
	Sand	20	M <sup>3</sup>		
	Reinforcement - 16mm diameter high tensile	5	PC'S		
	Reinforcement - 12mm diameter high tensile	52	PC'S		
	Reinforcement - 8mm diameter	67	PC'S		
	Timber 1" X 8" (5.2m long)	10	PC'S		
	Timber 2" X 2"	4	PC'S		
	Nails-4"	8	Kgs		
	Nails-3"	8	Kgs		
	Supporting props	14	PC'S		
	<b>SUB-TOTAL SUBSTRUCTURE</b>				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>B.</b>	<b>SUPERSTRUCTURE</b>				
1	<b><u>Walls &amp; Ring beam &amp; Columns</u></b>				
	6" Cement & Sand Block	3,394	No		
	Cement & Sand Louver Block /Vent block	560	No		
	DPC (20m long)	8	Roll		
	Sand	20	M <sup>3</sup>		
	Cement-50kgs	153	Bags		
	Aggregates (1/2")	8	M <sup>3</sup>		
	Reinforcement - 12mm diameter high tensile	52	PC'S		
	Reinforcement - 8mm diameter	67	PC'S		
	Binding Wire - 1kg	8	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	10	PC'S		
	Timber 1" X 5" (Plates)	4	PC'S		
	Timber 2" X 2"	5	PC'S		
	Supporting Props	10	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	837	FT		
	Timber 2" X 4" King Post, wall plate and struss	1,335	FT		
	Timber 2" X 6" Rafter and Tie beam	1,338	FT		
	Fascia board 1" X 10" (5.2m long)	15	PC'S		
	Nails -5"	40	Kgs		
	Nails -4"	25	Kgs		
	Nails -3"	12	Kgs		
	<b>NOTE:</b> The above softwood timber structure should be pressure impregnated treated				
2	<b><u>Roof Covering -as per ALAF or other equal and approved</u></b>				
	28G IT5 resincoated sheet	342	M <sup>2</sup>		
	Translucent sheet	68	M <sup>2</sup>		
	Hips/Ridge and valley - 28 G	10	PC'S		
	Roofing Nails	20	Packet		
	<b>TO COLLECTION</b>			<b>C/F</b>	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<b>ROOF STRUCTURE &amp; COVERING CONT...</b>				
				<b>B/F</b>	
1	<b><u>Gutter's</u></b>				
	Upvc 125mm half round (6m long)-5"	14	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	78	PC'S		
	Gutter Clamp 3"	12	PC'S		
	Connector/reducer	10	PC'S		
	Gutter corner 90'	4	PC'S		
	<b>SUB-TOTAL ROOF STRUCTURE &amp; COVERING</b>				
<b>E.</b>	<b><u>CEILING</u></b>				
	Gypsum board -9mm thick	99	PC'S		
	Plain Cornice (8ft)	91	PC'S		
	Gypsum Screw 1" 800pcs/box	12	Box		
	Screw 1.25" 800pcs/box	19	Box		
	Gypsum powder	15	Bags		
	Fibre tape	3	Pcs		
	Treated softwood Timber 2" X 2"	3,324	FT		
	Nails 4"	20	Kgs		
	Nails 3"	15	Kgs		
	<b>SUB-TOTAL FOR CEILING</b>				



ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>G.</b>	<b>WINDOWS</b>				
1	<b><u>Supply and fix Aluminium Windows 2mm thick frame with 5mm thick glass, Mosquito gauze ironmongeries and all associated accessories</u></b>				
	1600 X 1500mm high (w1)	18	PC'S		
	1000 X 750mm high (w3)	4	PC'S		
	2800 X 900mm high (w2)	3	PC'S		
2	<b><u>Supply and fix 4mm thick flat bar grill painted red-oxide</u></b>				
	1600 X 1500mm high (w1)	18	PC'S		
	1000 X 750mm high (w3)	4	PC'S		
	2800 X 900mm high (w2)	3	PC'S		
	<b>SUB-TOTAL FOR WINDOWS</b>				
<b>H.</b>	<b>FINISHING</b>				
1	<b><u>Floor finishing - (ratio 1:4)</u></b>				
	Sand	13	M <sup>3</sup>		
	Cement-50kgs	83	Bags		
	450 x 450 x 9mm Non slippery Porcelain floor tiles (1.42 Sqm/Box)	200	Box		
	Skirting (600 mm long; 25No/Box)	15	Box		
	Epoxy Grout (1kg/packet)	42	Packet		
	Spacer	22	Packet		
2	<b><u>Wall Finishing</u></b>				
	Sand	18	M <sup>3</sup>		
	Cement-50kgs	97	Bags		
	White cement - 50kg	10	Bags		
	Gypsum powder	17	Bags		
	200 x 300mm x9mm ceramic wall tiles (0.97 Sqm/Box)	100	Box		
	Epoxy Grout (1kg/packet)	20	Packet		
	Spacer	10	Packet		
	Sand paper Msasa No.120	2.0	Roll		
	<b>SUB-TOTAL FOR FINISHING</b>				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>J.</b>	<b>PAINTING &amp; DECORATION</b>				
	Emulsion Paint - 20 LTRS	6	buckets		
	Weather guard Paint - 20 LTRS	3	buckets		
	Washable paint -20 LTRS	3	buckets		
	Primer paint -20 LTRS	2	buckets		
	Solvent - 5LTRS	2	TIN		
	Brush 3"	2	Pcs		
	Roller	2	Pcs		
	Gloss paint-4LTR	3	TIN		
	Bitumen paint - 4Litres	4	TIN		
	<b>SUB-TOTAL FOR PAINTING&amp;DECORATION</b>				



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	11	No		
3	Double switch socket	5	No		
4	Main switch 12way,3PH with integral 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	100	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	Ceiling fan, approved National or equal	2	PC'S		
12	16mmsq 4 core cable	20	M		
13	1gang one way switch	0	No		
14	2gang two way switch	10	No		
15	20A DP switch	0	No		
16	Gypsum light complete with energy saver 18w	3	No		
17	Earth rod approved copper not less than 1200mm	1	No		
18	Earth wire 4sqmm	20	M		
19	Plastic clips (22mm)	3	BOX		
20	Conduit pipe	80	PC		
21	Meta box double	5	PC		
22	Metal box single	10	PC		
23	Round cover	10	PC		
24	Junction box	15	PC		
25	Elbow	20	PC		
26	Conduit coupling	25	PC		
27	Fine screw	1	Packet		
28	Round Box	5	PC		
29	Industrial socket	4	PC		
30	TV Socket	0	PC		
	<b>SUB-TOTAL FOR ELECTRICAL INSTALLATION</b>				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>L.</b>	<b>PLUMBING &amp; SANITARY INSTALLATION-PROVISIONAL</b>				
1	Polypipe 3/4"	10	M		
2	IPS Pipe 1/2	2	PcS		
3	IPS Pipe 3/4	2	PcS		
4	Flexible pipe	3	PcS		
5	IPS Elbow 1/2"	7	PC'S		
6	IPS Elbow 3/4"	4	PC'S		
7	Angle valve	4	PC'S		
8	IPS nipple 1/2"	13	PC'S		
9	IPS nipple 3/4'	2	PC'S		
10	IPS Tee 1/2"	10	PC'S		
11	IPS reducing socket 1" - 3/4"	0	PC'S		
12	Bush reducing 3/4" - 1/2"	2	PC'S		
13	IPS union 3/4"	2	PC'S		
14	Tee connector 3/4"	1	PC'S		
15	connector 3/4"	1	PC'S		
16	Shower rose	1	PC'S		
17	Toilet shower (Shataf)	1	PC'S		
18	IPS socket 1/2"	13	PC'S		
19	Bib tap pex 1/2"	7	PC'S		
20	Stop cock pex '1/2"	1	PC'S		
21	Stop cock pex '3/4"	1	PC'S		
22	Thread seal tape	10	PC'S		
23	PVC pipe 4"	1	PC'S		
24	PVC pipe 1 <sup>1/4</sup>	1	PC'S		
25	PVC pipe 1 1/2"	1	PC'S		
26	PVC bend 1 <sup>1/4</sup>	2	PC'S		
27	PVC bend 1 1/2"	2	PC'S		
28	Sink	1	PC'S		
29	PVC Tee 4"	3	PC'S		
30	PVC Bend 4"	1	PC'S		
31	PVC Bend 3"	4	PC'S		
32	PVC Tee 1 <sup>1/4</sup>	2	PC'S		
33	PVC Tee 1 <sup>1/2</sup>	2	PC'S		
34	PVC plug 1 <sup>1/4</sup> "	1	PC'S		
35	PVC plug 1 <sup>1/2</sup> "	2	PC'S		
36	P- trap 4'	1	PC'S		
				<b>B/F</b>	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				C/F	
37	Tangit	2	TIN		
38	PVC socket reducing 4" x 3" '1	4	PC'S		
39	PVC socket with Female threads 1 <sup>1/4</sup> "	1	PC'S		
40	PVC socket with Female threads 1 <sup>1/2</sup> "	1	PC'S		
41	WC Eastern complete as per Armitage or other approved	2	Nr.		
42	Ceramic trough working sink size 810 x 550x 300mm deep.	6	Nr.		
43	Dhobi Sink	2	Nr.		
44	Armitage shank hand wash basin sink large catalogue no1179334	4	Nr.		
	<b>SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION</b>				

<b>GENERAL SUMMARY</b>		<b>AMOUNT</b>
		<b>TZS</b>
	<b>LAUNDRY BLOCK</b>	
A.	SUB-STRUCTURE -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 za msingi (1,554 No)	
	<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 (3,754 No)	
	<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>	
1	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>	
4	Msingi wa nyumba	
5	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><u>Mifumo ya maji safi na taka (Water Supply and Sewage system)</u></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.	Umalizijaji (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