

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 Administration 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")	57	M <sup>3</sup>		
	Sand	28	M <sup>3</sup>		
	Cement-50kgs	202	Bags		
2	<b><u>Foundation Walls</u></b>				
	6" Cement & Sand Block	4,662	No		
	Sand	15.0	M <sup>3</sup>		
	Cement -50kgs	78	Bags		
3	<b><u>Moram, Hardcore &amp; Site sterilization</u></b>				
	Moram (4.5m <sup>3</sup> lorry)	57	Trips		
	Hardcore (4.5m <sup>3</sup> lorry)	38	Trips		
	Sand	19	M <sup>3</sup>		
	Aldrin solution or equal and approved	855	Litres		
4	<b><u>Oversite Concrete (100mm thick - 15 grade) &amp; Ground Beam - 20 grade and column base</u></b>				
	DPM	855	M <sup>2</sup>		
	Cement -50kgs	687	Bags		
	Aggregates (1/2")	118	M <sup>3</sup>		
	Sand	59	M <sup>3</sup>		
	Reinforcement - 16mm diameter high tensile	16	PC'S		
	Reinforcement - 12mm diameter high tensile	76	PC'S		
	Reinforcement - 8mm diameter	70	PC'S		
	A252 Mesh 200 x200x6.16kg/m2	36	PC'S		
	20mm styropol comprehensive materials	24	PC'S		
	Timber 1" X 8" (5.2m long)	20	PC'S		
	Timber 2" X 2"	15	PC'S		
	Nails-4"	20	Kgs		
	Nails-3"	20	Kgs		
	Supporting props	30	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	11,102	No		
	Cement & Sand Perforated blocks	0	No		
	DPC (20m long)	16	Roll		
	Sand	60	M <sup>3</sup>		
	Cement-50kgs	494	Bags		
	Aggregates (1/2")	26	M <sup>3</sup>		
	Reinforcement - 12mm diameter high tensile	104	PC'S		
	Reinforcement - 8mm diameter	88	PC'S		
	Binding Wire - 1kg	40	Bundle		
	A252 Mesh 200 x200x6.16kg	14	PC'S		
	Timber 1" X 8" to Sides (5.2m long)	30	PC'S		
	Timber 1" X 5" (Plates)	20	PC'S		
	Timber 2" X 2"	20	PC'S		
	Supporting Props	80	PC'S		
	20mm styropol comprehensive materials	24	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	4,782	FT		
	Timber 2" X 4" King Post, wall plate and struts	5,016	FT		
	Timber 2" X 6" Rafter and Tie beam	3,996	FT		
	Fascia board 1" X 10" (5.2m long)	52	PC'S		
	Nails -5"	80	Kgs		
	Nails -4"	70	Kgs		
	Nails -3"	50	Kgs		
	<b>NOTE:</b> The above softwood timber structure should be pressure impregnated treated				
2	<b><u>Roof Covering -as per ALAF or equal and approved</u></b>				
	28G IT5 resincoated sheet	1,313	M <sup>2</sup>		
	Hips/Ridge and valley - 28 G	34	PC'S		
	Roofing Nails	78	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>	
3	<b>Gutter's</b>				
	Upvc 125mm half round (6m long)-5"	32	PC'S		
	Upvc 75mm diameter down pipe; Class B	8	PC'S		
	PVC outlet	8	PC'S		
	PVC bend 90'	8	PC'S		
	PVC bend 45'	16	PC'S		
	Gutter support bracket	207	PC'S		
	Gutter Clamp 3"	24	PC'S		
	Connector/reducer	8	PC'S		
	Connector outer	12	PC'S		
	Corner Inner	12	PC'S		
	<b>SUB-TOTAL ROOF STRUCTURE &amp; COVERING</b>				
<b>E.</b>	<b>CEILING</b>				
	Gypsum board -9mm thick	314	PC'S		
	Plain Cornice (8ft)	189	PC'S		
	Gypsum Screw 1" 800pcs/box	12	Box		
	Screw 1.25" 800pcs/box	35	Box		
	Gypsum powder	70	Bags		
	Fibre tape	6	Pcs		
	Treated softwood Timber 2" X 2"	8,958	FT		
	Nails 4"	60	Kgs		
	Nails 3"	43	Kgs		
	PVC ceiling with its fittings	101	Pc's		
	<b>SUB-TOTAL FOR CEILING</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, Mosquito gauze, ironmongeries and all necessary accessories</u>				
	1600 X 1500mm high	34	PC'S		
	2400 X 1500mm high	4	PC'S		
	1000 X 1500mm high	4	PC'S		
	1000 X 750mm high	20	PC'S		
2	<u>Supply and fix 4mm thick flat bar grill painted red-oxide</u>				
	1600 X 1500mm high	34	PC'S		
	2400 X 1500mm high	4	PC'S		
	1000 X 1500mm high	4	PC'S		
	1000 X 750mm high	20	PC'S		
	<b>SUB-TOTAL FOR WINDOWS</b>				
<b>H.</b>	<b>FINISHING</b>				
1	<u>Floor finishing - (ratio 1:4)</u>				
	Sand	41	M <sup>3</sup>		
	Cement-50kgs	260	Bags		
	450 x 450 x 8mm Non slippery Porcelain floor tiles (1.42 Sqm/Box)	602	Box		
	Skirting (600 mm long; 25No/Box)	31	Box		
	Epoxy Grout (1kg/packet)	128	Packet		
	Spacer	68	Packet		
	Covered precast slab for drainage system size 500 x 100mm	66	m		
2	<u>Wall Finishing</u>				
	Sand	58	M <sup>3</sup>		
	Cement-50kgs	338	Bags		
	White cement - 50kg	96	Bags		
	Gypsum powder	60	Bags		
	200 x 300mm x 9mm thick ceramic wall tiles (0.97 Sqm/Box)	126	Box		
	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	15	buckets		
	Weather guard Paint - 20 LTRS	9	buckets		
	Washable paint -20 LTRS	5	buckets		
	Primer paint -20 LTRS	5	buckets		
	Solvent - 5LTRS	3	TIN		
	Brush 3"	4	Pcs		
	Roller	4	Pcs		
	Gloss paint-4LTR	8	TIN		
	Bitumen paint - 4Litres	12	TIN		
	<b>SUB-TOTAL FOR PAINTING&amp;DECORATION</b>				



ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>K.</b>	<b>ELECTRICAL INSTALLATION AND AIR CONDITION</b>				
1	Single fluorescent fitting, approved Philips or equal	57	No		
2	Double fluorescent fitting,	0	No		
3	Double switch socket	42	No		
4	Main switch 8way,3PH with integral RCD as MEM or equal	2	No		
5	Single core wire 1.5sqmm -Red	600	m		
6	Single core wire 1.5sqmm -Black	600	m		
7	Single core wire 1.5sqmm -green	400	m		
8	Single core wire 2.5sqmm -Red	500	m		
9	Single core wire 2.5sqmm -Black	500	m		
10	Single core wire 2.5sqmm Green	500	m		
11	Ceiling fan, approved National or equal	24	PC'S		
12	16mmsq 4 core cable	60	M		
13	1 gang one way switch	3	No		
14	2gang two way switch	4	No		
15	2gang one way switch	26	No		
16	4gang One way switch	3	No		
17	20A DP switch	6	No		
18	Gypsum light complete with energy saver 18w	12	No		
19	Earth rod approved copper not less than 1200mm	2	No		
20	Earth wire 4sqmm	40	M		
21	Plastic clips (22mm)	10	BOX		
22	Conduit pipe	320	PC		
23	Metal box double	42	PC		
24	Metal box single	36	PC		
25	Round cover	85	PC		
26	Junction box	120	PC		
27	Elbow	90	PC		
28	Conduit coupling	45	PC		
29	Fine screw	5	Packet		
30	Round Box	100	PC		
	<b>Air condition</b>				
31	Supply and Fix LG or equal and approved A.C with all necessary accessories -BTU 1800	6	No		
32	TV socket	1	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	95	m		
2	IPS pipe 1/2	3	PC'S		
3	IPS pipe 3/4"	2	PC'S		
4	Tee coupling 3/4'	2	PC'S		
5	IPS Elbow 1/2"	20	PC'S		
6	IPS Elbow 3/4"	8	PC'S		
7	IPS Tee 1/2"	13	PC'S		
8	Flexible pipe	12	PC'S		
9	IPS nipple 1/2"	18	PC'S		
10	IPS nipple 3/4"	4	PC'S		
11	Angle valve	18	PC'S		
12	Bush reducing 3/4' x 1/2'	4	PC'S		
13	IPS union 3/4"	4	PC'S		
14	Tee connector 3/4"	6	PC'S		
15	connector 3/4"	2	PC'S		
16	IPS socket 1/2"	19	PC'S		
17	IPS socket 3/4"	2	PC'S		
18	Bib tap pex 1/2"	1	PC'S		
19	Stop cock pex '1/2"	2	PC'S		
20	Stop cock pex '3/4"	4	PC'S		
21	Thread seal tape	10	PC'S		
22	Toilet shower (shataf)	6	PC'S		
23	Armitage shank hand wash basin sink large catalogue no1179334	6	Nr.		
24	Wc toilet (Western type) complete with horizontal and vertical grab rails	2	Nr.		
25	Ceramic Shower tray 900 x 900 mm complete with all necessary fittings	1	Nr.		
26	Shower rose complete with mixer (crome) and stand	1	Nr.		
27	WC Eastern complete as per Armitage or other approved	4	Nr.		
28	Non trap 1 <sup>1/2</sup> "	2	Nr.		
29	PVC pipe 1 <sup>1/2</sup> "	1	PC'S		
30	PVC pipe 1 <sup>1/4</sup>	1	PC'S		
31	PVC pipe 4'	17	PC'S		
32	PVC Elbow 1 <sup>1/4</sup>	6	PC'S		
33	PVC Elbow 1 <sup>1/2</sup>	9	PC'S		
				<b>C/F</b>	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				<b>B/F</b>	
34	PVC tee 1 <sup>1/4"</sup>	5	PC'S		
35	PVC tee 1 <sup>1/2"</sup>	3	PC'S		
36	PVC bend 1 <sup>1/2"</sup>	1	PC'S		
37	PVC bend 1 <sup>1/4"</sup>	4	PC'S		
38	PVC bend with cleaning Eye 90 Size 4"	2	PC'S		
39	PVC bend 90 Size 4"	2	PC'S		
40	PVC plug 1 <sup>1/4"</sup>	3	PC'S		
41	PVC plug 1 <sup>1/2"</sup>	2	PC'S		
42	P- trap 4'	6	PC'S		
43	Tangit	2	TIN		
44	PVC socket reducing 1 <sup>1/2"</sup> x 1 <sup>1/4"</sup>	1	PC'S		
45	PVC socket with Female threads 1 <sup>1/4"</sup>	6	PC'S		
46	PVC socket with Female threads 1 <sup>1/2"</sup>	2	PC'S		
47	Urinal Bowl as per Amitage shank or equal and 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>ADMINISTRATION BLOCK</u></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 AND AIR CONDITION	
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 za msingi (4662 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 (11,102 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