

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 Clinic, Eye and Dental

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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")	73	M <sup>3</sup>		
	Sand	37	M <sup>3</sup>		
	Cement-50kgs	329	Bags		
2	<b><u>Foundation Walls</u></b>				
	6" Cement & Sand Block	5,264	No		
	Sand	17.0	M <sup>3</sup>		
	Cement -50kgs	88	Bags		
3	<b><u>Moram, Hardcore &amp; Site sterilization</u></b>				
	Moram (4.5m <sup>3</sup> lorry)	65	Trips		
	Hadcore (4.5m <sup>3</sup> lorry)	43	Trips		
	Sand	48	M <sup>3</sup>		
	Aldrin solution or equal and approved	975	Litres		
4	<b><u>Oversite Concrete (100mm thick - 15 grade) &amp; Ground Beam - 20 grade and column base</u></b>				
	DPM	974	M <sup>2</sup>		
	Cement -50kgs	741	Bags		
	Aggregates (1/2")	130	M <sup>3</sup>		
	Sand	65	M <sup>3</sup>		
	Reinforcement - 16mm diameter high tensile	14	PC'S		
	Reinforcement - 12mm diameter high tensile	150	PC'S		
	Reinforcement - 8mm diameter	149	PC'S		
	A252 Mesh 200 x200x6.16kg	32	PC'S		
	20mm styropol comprehensive materials	16	PC'S		
	Timber 1" X 8" (5.2m long)	29	PC'S		
	Timber 2" X 2"	18	PC'S		
	Nails-4"	25	Kgs		
	Nails-3"	22	Kgs		
	Supporting props	40	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	10,117	No		
	Cement & Sand Perforeted blocks	896	No		
	DPC (20m long)	22	Roll		
	Sand	56	M <sup>3</sup>		
	Cement-50kgs	452	Bags		
	Aggregates (1/2")	23	M <sup>3</sup>		
	Reinforcement - 16mm diameter high tensile	21	PC'S		
	Reinforcement - 12mm diameter high tensile	104	PC'S		
	Reinforcement - 8mm diameter	132	PC'S		
	Binding Wire - 1kg	40	Bundle		
	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 comprehesive materials	16	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 struss	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 other 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	50	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><u>CEILING</u></b>				
	Gypsum board -9mm thick	314	PC'S		
	Plain Cornice (8ft)	189	PC'S		
	Gypsum Screw 1" 800pcs/box	40	Box		
	Screw 1.25" 800pcs/box	68	Box		
	Gypsum powder	40	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>F.</b>	<b>DOOR</b>				
1	<b><u>40mm thick solid core flush door shutter</u></b>				
	1500 x2100mm high double door	11	PC'S		
	1000 x2100mm high	30	PC'S		
	900 x2100mm high	8	PC'S		
2	<b><u>Frames (hardwood),Varnish, Glass &amp; Burglar bar</u></b>				
	900 x 2500 mm high frame	8	PC'S		
	1000 x 2500mm high frame	30	PC'S		
	1500 x 2500mm high double door frame	11	PC'S		
	5mm thick clear glass to Vents	21	M <sup>2</sup>		
	16 mm burglar bars	9	PC'S		
	Brush 3"	4	Pcs		
	Sand paper (msasa) No.80	6	LM		
	Clear Varnish - 4Litres	6	TIN		
	Thinner for Varnish -4Litres	6	Litres		
3	<b><u>IronMongeries -ref : union</u></b>				
	Mortice lock Three lever - ref: union	49	No		
	Brass hinges - 100mm	57.0	Pairs		
	Wood Screw	49	Box		
	Kick plate size 900 x 200mm high	16	PC'S		
	Pushing plate	44	PC'S		
	Hinges doubles swing-150mm	33.0	Pairs		
	Kick plate size 750 x 200mm high	44	PC'S		
	Kick plate size 1000 x 200mm high	60	PC'S		
	<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	29	PC'S		
	1000 X 1500mm high	4	PC'S		
	1000 X 750mm high	34	PC'S		
2	<u>Supply and fix 4mm thick flat bar grill painted red-oxide</u>				
	1600 X 1500mm high	29	PC'S		
	1000 X 1500mm high	4	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)	599	Box		
	Skirting (600 mm long; 25No/Box)	62	Box		
	Epoxy Grout (1kg/packet)	146	Packet		
	Spacer	77	Packet		
	Covered precast slab for drainage system size 500 x 100mm	62	m		
2	<u>Wall Finishing</u>				
	Sand	58	M <sup>3</sup>		
	Cement-50kgs	338	Bags		
	White cement - 50kg	55	Bags		
	Gypsum powder	80	Bags		
	200 x 300mm x 9mm thick ceramic wall tiles (0.97 Sqm/Box)	124	Box		
	Grouts	40	Packet		
	Epoxy Grout (1kg/packet)	18	Packet		
	Spacer	9	Packet		
	Sand paper Msasa No.120	2.0	Roll		
	Dry wall partition size 4000x 3000mm high with two partitioning lower panel filled in with 12mm thick MDF boards, upper panel filled 5mm thick clear glass complete with all frames, and necessary accessories	3.0	Nr.		
	<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	16	buckets		
	Weather guard Paint - 20 LTRS	10	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	9	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	25	No		
2	Double fluorescent fitting, approved Philips or equal	20	No		
3	Double switch socket	45	No		
4	Main switch 12way,3PH with integral RCD as MEM or equal	1	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	500	m		
8	Single core wire 2.5sqmm -Red	400	m		
9	Single core wire 2.5sqmm -Black	400	m		
10	Single core wire 2.5sqmm Green	400	m		
11	Ceiling fan, approved National or equal	23	PC'S		
12	16mmsq 4 core cable	40	M		
13	1 gang one way switch	10	No		
14	2 gang two way switch	13	No		
15	2gang one way switch	19	No		
16	20A DP switch	3	No		
17	3 gang one way switch	1	No		
18	Gypsum light complete with energy saver 18w	23	No		
19	Earth rod approved copper not less than 1200mm	2	No		
20	Earth wire 4sqmm	30	M		
21	Plastic clips (22mm)	7	BOX		
22	Conduit pipe	220	PC		
23	Metal box Double	45	PC		
24	Metal box single	45	PC		
25	Round cover	70	PC		
26	Junction box	80	PC		
27	Elbow	80	PC		
28	Conduit coupling	45	PC		
29	Fine screw	3	Packet		
30	Round Box	70	PC		
	<b>Air condition</b>				
31	Supply and Fix LG or equal and approved A.C with all necessary accessories -BTU 1800	3	No		
	<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	115	m		
2	IPS pipe 1/2	8	PC'S		
3	IPS pipe 3/4"	5	PC'S		
4	Tee coupling 3/4'	15	PC'S		
5	IPS Elbow 1/2"	28	PC'S		
6	IPS Elbow 3/4"	32	PC'S		
7	IPS Tee 1/2"	15	PC'S		
8	Flexible pipe	20	PC'S		
9	IPS nipple 1/2"	38	PC'S		
10	IPS nipple 3/4"	16	PC'S		
11	Angle valve	26	PC'S		
12	Bush reducing 3/4' x 1/2'	16	PC'S		
13	IPS union 3/4"	16	PC'S		
14	connector 3/4"	2	PC'S		
15	IPS socket 1/2"	32	PC'S		
16	Bib tape pex 1/2"	4	PC'S		
17	Stop cock pex '3/4"	16	PC'S		
18	Thread seal tape	25	PC'S		
19	Toilet shower (shataf)	7	PC'S		
20	Armitage shank hand wash basin sink large catalogue no 1179334	18	Nr.		
21	Wc toilet (Western type) complete with horizontal and vertical grab rails	1	Nr.		
22	WC Eastern complete as per Armitage or other approved	8	Nr.		
23	Non tap 1 1/2"	1	Nr.		
24	PVC pipe 1 1/2"	2	PC'S		
25	PVC pipe 1 1/4	5	PC'S		
26	PVC pipe 4'	25	PC'S		
27	PVC tee 1 1/4"	17	PC'S		
28	PVC tee 1 1/2"	3	PC'S		
29	PVC bend 1 1/2"	7	PC'S		
30	PVC bend 1 1/4	14	PC'S		
31	PVC plug 1 1/4"	12	PC'S		
32	PVC plug 1 1/2"	3	PC'S		
33	P- trap 4'	1	PC'S		
				<b>B/F</b>	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				C/F	
34	Tangit	5	TIN		
35	PVC socket reducing 1 1/2 x 1 1/4"	1	PC'S		
36	PVC socket with Female threads 1 1/4"	17	PC'S		
37	PVC socket with Female threads 1 1/2"	4	PC'S		
38	Armitage shank; spey sluice suite bedpan and bottle sluice suite ; cataloque no 37010JP	1	Nr.		
39	Single drainer stainless steel kitchen sink size 1000 x 600mm	2	Nr.		
40	Scrubs sink as per drawing and specifications	1	Nr.		
41	Urinal Bowl as per Armitage shank or equal and approved	1	PC'S		
42	Urinal Partition with two sides of wall size 2000 x 1500mm high finished with glazed ceramic tiles, including floor tiles covered 4square metres including drainage system.	1	Nr.		
	<b>SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION</b>				

<b><u>GENERAL SUMMARY</u></b>		<b>AMOUNT</b>
		<b>TZS</b>
	<b><u>DENTAL AND EYE 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 (5,264 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 (11,013 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>Umalizaaji (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 umalizaaji(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>MAJUMUIISHO (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