

THE UNITED REPUBLIC OF TANZANIA



PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

PROPOSED STANDARD COUNCIL LEVEL HOSPITALS

Schedule of Material, Labour & Drawings Theatre Block

PROJECT AREA

TANZANIA MAINLAND

Ministry of Health, Community
Development, Gender, Elderly and Children,
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College of Humanities,
& Social Science 11th Building,
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APRIL, 2018

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Schedule of Material

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<u>MATERIALS</u>				
A	SUB-STRUCTURE -PROVISIONAL				
1	<u>Strip Foundation - Grade 15 Plain</u>				
	Aggregate (3/4")	25	M ³		
	Sand	13	M ³		
	Cement-50kgs	113	Bags		
2	<u>Foundation Walls</u>				
	6" Cement & Sand Block	2,030	No		
	Sand	7.0	M ³		
	Cement -50kgs	34	Bags		
3	<u>Moram, Hardcore & Site sterilization</u>				
	Moram (4.5m ³ lorry)	39	Trips		
	Hadcore (4.5m ³ lorry)	18	Trips		
	Sand	15	M ³		
	Aldrin solution or equal and approved	401	Litres		
4	<u>Oversite Concrete (100mm thick - 15 grade) & Ground Beam - 20 grade and column base</u>				
	DPM	401	M ²		
	Cement -50kgs	291	Bags		
	Aggregates (1/2")	52	M ³		
	Sand	26	M ³		
	Reinforcement - 16mm diameter high tensile	14	PC'S		
	Reinforcement - 12mm diameter high tensile	59	PC'S		
	Reinforcement - 8mm diameter	89	PC'S		
	Timber 1" X 8" (5.2m long)	14	PC'S		
	Timber 2" X 2"	12	PC'S		
	Nails-4"	14	Kgs		
	Nails-3"	12	Kgs		
	Supporting props	15	PC'S		
	SUB-TOTAL SUBSTRUCTURE				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
B.	SUPERSTRUCTURE				
1	<u>Walls & Ring beam & Columns</u>				
	6" Cement & Sand Block	6,156	No		
	DPC (20m long)	12	Roll		
	Sand	31	M ³		
	Cement-50kgs	240	Bags		
	Aggregates (1/2")	11	M ³		
	Reinforcement - 16mm diameter high tensile	18	PC'S		
	Reinforcement - 12mm diameter high tensile	59	PC'S		
	Reinforcement - 8mm diameter	79	PC'S		
	Binding Wire - 1kg	30	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	27	PC'S		
	Timber 1" X 5" (Plates)	15	PC'S		
	Timber 2" X 2"	20	PC'S		
	Supporting Props	70	PC'S		
	50 x50mm stainless steel square pipe balustrade comprising top and bottom rails 900mm high including 25 x25mm steel balusters spaced at 200mm centres to centres welded together	27	m		
	SUB-TOTAL SUPER STRUCTURE				
C.	ROOF STRUCTURE & COVERING				
1	<u>Roof Structure - Provisional</u>				
	Timber 2 " X 3" Purlins	1,515	FT		
	Timber 2" X 4" King Post, wall plate and struss	2,010	FT		
	Timber 2" X 6" Rafter and Tie beam	1,377	FT		
	Fascia board 1" X 10" (5.2m long)	20	PC'S		
	Nails -5"	60	Kgs		
	Nails -4"	40	Kgs		
	Nails -3"	20	Kgs		
	NOTE: The above softwood timber structure should be pressure impregnated treated				
2	<u>Roof Covering -as per ALAF or equal and approved</u>				
	28G IT resincoated sheet	658	M ²		
	Hips/Ridge and valley - 28 G	17	PC'S		
	Roofing Nails	39	Packet		
	TO COLLECTION			C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	ROOF STRUCTURE & COVERING CONT...				
				B/F	
1	Gutter's				
	Upvc 125mm half round (6m long)-5"	18	PC'S		
	Upvc 75mm diameter down pipe; Class B	2	PC'S		
	PVC outlet	2	PC'S		
	PVC bend 90'	2	PC'S		
	PVC bend 45'	4	PC'S		
	Gutter support bracket	30	PC'S		
	Gutter Clamp 3"	6	PC'S		
	Connector/reducer	6	PC'S		
	Gutter corner 90'	2	PC'S		
	SUB-TOTAL ROOF STRUCTURE & COVERING				
E.	<u>CEILING</u>				
	Gypsum board -9mm thick	141	PC'S		
	Plain Cornice (8ft)	153	PC'S		
	Gypsum Screw 1" 800pcs/box	16	Box		
	Screw 1.25" 800pcs/box	28	Box		
	Gypsum powder	33	Bags		
	Fibre tape	4	Pcs		
	Treated softwood Timber 2" X 2"	5,349	FT		
	Nails 4"	40	Kgs		
	Nails 3"	23	Kgs		
	PVC ceiling with its fittings	77	Pc's		
	SUB-TOTAL FOR CEILING				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
F.	DOOR				
1	<u>40mm thick solid core flush door shutter</u>				
	1800 x 2100 mm high (Double door)	1	PC'S		
	1500 x 2100mm high (double door)	10	PC'S		
	1000 x 2100mm high single door	16	PC'S		
	900 x 2100mm high single door	6	PC'S		
2	<u>Frames (hardwood),Varnish, Glass & Burglar bar</u>				
	1800 x 2500 mm high frame	1	PC'S		
	1500 x 2500mm high frame	10	PC'S		
	1000 x 2500mm high frame	16	PC'S		
	900 x 2500mm high frame	6	PC'S		
	4mm thick clear glass to Vents	14	M ²		
	16 mm burglar bars	8	PC'S		
	Brush 3"	4	Pcs		
	Sand paper (msasa) No.80	6	LM		
	Clear Varnish - 4Litres	5	TIN		
	Thinner for Varnish -4Litres	4	Litres		
3	<u>IronMongereries ref: Union</u>				
	Mortice lock Three lever	33	No		
	Brass hinges - 100mm	9.0	Pairs		
	Wood Screw	6	Box		
	Kick plate size 900 x 200mm high	16	Pcs		
	Pushing plate	44	Pcs		
	Hinges doubles swing-150mm	57.0	Pairs		
	Kick plate size 750 x 200mm high	40	Pcs		
	Kick plate size 1000 x 200mm high	32	Pcs		
	Door closer	16	Nr.		
	Rubber door stopper	16	Nr.		
	Union bath lock	6	Nr.		
	SUB-TOTAL FOR DOORS				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
G.	WINDOWS				
1	<u>Supply and fix Aluminium Windows 2mm thick frame with 5mm thick glass including, Mosquitor gauze, ironmongeries and all other necessary accessories.</u>				
	2400 X 1500mm high	6	PC'S		
	1600 X 1500mm high	15	PC'S		
	900 X 750mm high	4	PC'S		
	650 X 750mm high	6	PC'S		
1	<u>Supply and fix Aluminium Windows 2mm thick frame with 5mm thick fosten glass or other equal and approved including, Mosquitor gauze, ironmongeries and all other necessary accessories.</u>				
	1600 X 1500mm high	5	PC'S		
2	<u>Supply and fix 4mm thick flat bar grill painted red-oxide</u>				
	2400 X 1500mm high	6	PC'S		
	1600 X 1500mm high	20	PC'S		
	900 X 750mm high	4	PC'S		
	650 X 750mm high	6	PC'S		
	SUB-TOTAL FOR WINDOWS				
H.	FINISHING				
1	<u>Floor finishing - (ratio 1:4)</u>				
	Sand	19	M ³		
	Cement-50kgs	117	Bags		
	450 x 450 x 8mm Non slippery Porcelain floor tiles (1.42 Sqm/Box)	262	Box		
	Supply and fix Non Slippery EPOXY floor finish sheet with its fittings and skirting as per theater requirements	42	m2		
	Skirting (600 mm long; 25No/Box)	20	Box		
	Epoxy Grout (1kg/packet)	60	Packet		
	Spacer	32	Packet		
				C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				B/F	
2	Wall Finishing				
	Sand	37	M ³		
	Cement-50kgs	210	Bags		
	White cement - 50kg	60	Bags		
	Gypsum powder	90	Bags		
	200 x 300mm x 9mm thick ceramic wall tiles (0.97 Sqm/Box)	55	Box		
	Granite tiles (size 1000 x 600 x 25mm)	15	Pcs		
	Epoxy Grout (1kg/packet)	13	Packet		
	Spacer	5	Packet		
	Sand paper Msasa No.120	1.0	Roll		
	SUB-TOTAL FOR FINISHING				
J.	PAINTING & DECORATION				
	Emulsion Paint - 20 LTRS	12	buckets		
	Weather guard Paint - 20 LTRS	3	buckets		
	Washable paint -20 LTRS (Light blue green)	6	buckets		
	Primer paint -20 LTRS	6	buckets		
	Solvent - 5LTRS	3	TIN		
	Brush 3"	4	Pcs		
	Roller	4	Pcs		
	Gloss paint-4LTR	7	TIN		
	Bitumen paint - 4Litres	5	TIN		
	SUB-TOTAL FOR PAINTING&DECORATION				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
K.	ELECTRICAL INSTALLATION				
1	Single flourescent fitting, approved philips or equal	27	No		
2	Double flourescent fitting, approved philips or equal	0	No		
3	Double switch sorcket	22	No		
4	Main switch 12way,3PH with intergral RCD as MEM or equal	1	No		
5	Single core wire 1.5sqmm -Red	400	m		
6	Single core wire 1.5sqmm -Black	400	m		
7	Single core wire 1.5sqmm -green	300	m		
8	Single core wire 2.5sqmm -Red	300	m		
9	Single core wire 2.5sqmm -Black	300	m		
10	Single core wire 2.5sqmm Green	300	m		
11	Ceilling fan, approved National or equal	2	PC'S		
12	16mmsq 4 core cable	30	M		
13	One gang one way switch	6	No		
14	3 gang one way switch	13	No		
15	2gang two way switch	4	No		
16	4gang one way switch	1	No		
17	Cooker control unit	1	No		
18	20A DP switch	5	No		
19	Lan socket	2	No		
20	Gypsum light complete with energy saver 18w	14	No		
21	Gypsum light LED complete with energy saver 40w	18	No		
22	Earth rod approved copper not less than 1200mm	2	No		
23	Earth wire 4sqmm	30	M		
24	Plastic clips (22mm)	3	BOX		
25	Conduit pipe	120	PC		
26	Telephone socket outlet	2	PC		
27	Metal box double	24	PC		
28	Metal box single	28	PC		
29	Round cover	100	PC		
30	Junction box	80	PC		
31	Elbow	70	PC		
32	Conduit coupling	50	PC		
33	Fine screw	5	Packet		
				C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				B/F	
34	Round Box	30	PC		
	Air condition				
36	Supply and Fix LG or equal and approved A.C with all necessary accessories -BTU 1800	5	No		
	SUB-TOTAL FOR ELECTRICAL INSTALLATION				
L.	PLUMBING & SANITARY INSTALLATION-PROVISIONAL				
1	Polypipe 3/4	70	m		
2	Tee couplying 3/4	2	PC'S		
3	Angle valve	8	PC'S		
4	IPS Elbow 1/2"	14	PC'S		
5	IPS Elbow 3/4"	7	PC'S		
6	IPS Tee 1/2"	7	PC'S		
7	Flexible pipe	6	PC'S		
8	IPS nipple 1/2"	10	PC'S		
9	IPS nipple 3/4"	4	PC'S		
10	IPS reducing bush 3/4" - 1/2"	4	PC'S		
11	IPS Socket reducing 3/4" - 1/2"	1	PC'S		
12	IPS union 3/4"	4	PC'S		
13	Tee connector 3/4"	2	PC'S		
14	connector 3/4"	3	PC'S		
15	IPS socket 1/2"	4	PC'S		
16	Bib tap pex 1/2"	5	PC'S		
17	Stop cock pex '1/2"	1	PC'S		
18	Stop cock pex '3/4"	4	PC'S		
19	Thread seal tape	20	PC'S		
20	Toilet shower (shataf)	2	PC'S		
21	Ceramic Shower tray 900 x 900 mm complete with all accessories	2	Nr.		
22	working sink size 750x550x200mm deep, ceramic chemical resistance sink	2	Nr.		
23	Armitage shank hand washi basin sink large cataloque no1179334	6	Nr.		
24	Armitage shank; spey sluice suite bedpan and bottle sluice suite ; cataloque no 37010JP	2	Nr.		
25	Stainless steel Sluice sink	1	Nr.		
26	Single drainer stainless steel kitchen sink	1	Nr.		
				C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				B/F	
27	WC Eastern complete as per Armitage or other approved	2	Nr.		
28	Non tap 1 1/2"	2	Nr.		
29	PVC pipe 1 1/2"	2	PC'S		
30	PVC pipe 1 1/4"	2	PC'S		
31	PVC Elbow 1 1/4"	2	PC'S		
32	PVC Elbow 1 1/2"	2	PC'S		
33	PVC tee 1 1/4"	4	PC'S		
34	PVC tee 1 1/2"	4	PC'S		
35	PVC bend 1 1/2"	5	PC'S		
36	PVC bend 1 1/4"	6	PC'S		
37	PVC plug 1 1/4"	2	PC'S		
38	PVC plug 1 1/2"	2	PC'S		
39	P- trap 4'	2	PC'S		
40	Tangit	1	TIN		
41	PVC socket reducing 1 1/2" x 1 1/4"	1	PC'S		
42	PVC socket with Female threads 1 1/4"	4	PC'S		
43	PVC socket with Female threads 1 1/2"	4	PC'S		
44	shower rose complete with mixer and stand	1	PC'S		
	SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION				

<u>GENERAL SUMMARY</u>		AMOUNT
		TZS
	<u>OPERATION THEATRE BUILDING</u>	
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	
	TOTAL MATERIALS COST	TZS

Schedule of Labour

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
A	<u>Msingi wa Jengo (Sub-structure)</u>	
1	Kuseti jengo	
2	Uchimbaji wa msingi	
3	Kufukia	
	<u>Kufunga mbao</u>	
4	Pembezeni mwa jamvi	
5	Pembezeni mwa nguzo	
6	Kuondoa mbao	
	<u>Kumwaga zege</u>	
7	Chini kwenye msingi wa tofali	
8	Chini kwenye msingi wa nguzo	
9	katika nguzo ya awali	
10	kwenye jamvi	
11	Ujenzi wa tofali za msingi (2030 No)	
	<u>Mawe</u>	
12	Upangaji wa mawe na utandazaji wa DPM	
13	Umwagiliaji wa maji	
	Jumla ndogo msingi wa jengo	
B.	<u>Kunyanyua jengo (Super-structure)</u>	
1	Ujenzi wa tofali za kuta na uwekaji DPC (6156 No)	
	<u>Kufunga mbao katika:</u>	
2	Nguzo mlalo	
3	Nguzo wima	
	<u>Kusuka nondo katika:</u>	
4	Nguzo mlalo	
5	Nguzo wima	
	<u>Kumwaga zege katika:</u>	
6	Nguzo mlalo	
7	Nguzo wima	
8	Umwagiliaji wa maji	
C.	<u>Kuezeka (Roof structure and covering)</u>	
1	Kuezeka na ufungaji wa gata	
	Jumla ndogo kunyanyua jengo	

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
D.	<u>Milango</u>	
1	Kufitisha fremu za milango	
2	Kufitisha shata za milango pamoja na vitasa	
3	Upakaji wa Varnishi katika milango na fremu	
E.	<u>Umaliziji (Finishing)</u>	
	<i>Upigaji wa lipu pamoja na kutengeneza koplo:</i>	
1	Nje ya jengo	
2	Ndani ya jengo	
	<u>Sakafu</u>	
3	Uwekaji wa sakafu ya kupokea vigae (beds)	
4	Uwekaji wa vigae pamoja na grauti katika sakafu (floor tiles) -	
	<u>Dali:</u>	
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	
	Jumla ndogo umaliziji(finishing)	
F.	<u>Rangi na Mapambo (Painting & Decoration)</u>	
	<u>Kupaka rangi mikono mitatu pamoja na skimming katika:</u>	
1	Kuta za nje	
2	Kuta za ndani	
3	Dali	
	<u>Kupaka rangi mikono mitatu katika:</u>	
4	Msingi wa nyumba	
5	Grill za milango na madirisha	
	Jumla ndogo Rangi na mapambo	
G.	<u>Umeme (Electrical installation)</u>	
1	Usukaji wa umeme awamu ya kwanza - Conduit na Box	
2	Usukaji wa umeme awamu ya pili (2nd fix)-fittings	
	Jumla ndogo Umeme	

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
H.	<u>Mifumo ya maji safi na taka (Water Supply and Sewage system)</u>	
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	
	Jumla ndogo Mifumo ya maji safi na taka	

MAJUMUISHO (SUMMARY)		
		Shs
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)	
	JUMLA KUU Shs.	

ANGALIZO:

Fundi anatakiwa kujaza hii fomu kwa kupitia mchoro wa jengo husika

Drawings