

THE UNITED REPUBLIC OF TANZANIA



PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

PROPOSED STANDARD COUNCIL LEVEL HOSPITALS

Schedule of Material, Labour & Drawings for Pharmacy Block

PROJECT AREA

TANZANIA MAINLAND

Ministry of Health, Community
Development, Gender, Elderly and Children,
University of Dodoma,
College of Humanities,
& Social Science 11th 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
	<u>MATERIALS</u>				
A	SUB-STRUCTURE -PROVISIONAL				
1	<u>Strip Foundation - Grade 15 Plain</u>				
	Aggregate (3/4")	20	M ³		
	Sand	10	M ³		
	Cement-50kgs	90	Bags		
2	<u>Foundation Walls</u>				
	6" Cement & Sand Block	1,666	No		
	Sand	6.0	M ³		
	Cement -50kgs	28	Bags		
3	<u>Moram, Hardcore & Site sterilization</u>				
	Moram (4.5m ³ lorry)	33	Trips		
	Hadcore (4.5m ³ lorry)	12	Trips		
	Sand	16	M ³		
	Aldrin solution or equal and approved	334	Litres		
4	<u>Oversite Concrete (100mm thick - 15 grade) & Ground Beam - 20 grade and column base</u>				
	DPM	334	M ²		
	Cement -50kgs	275	Bags		
	Aggregates (1/2")	47	M ³		
	Sand	24	M ³		
	Reinforcement - 16mm diameter high tensile	13	PC'S		
	Reinforcement - 12mm diameter high tensile	48	PC'S		
	Reinforcement - 8mm diameter	47	PC'S		
	Timber 1" X 8" (5.2m long)	12	PC'S		
	Timber 2" X 2"	8	PC'S		
	Nails-4"	12	Kgs		
	Nails-3"	10	Kgs		
	Supporting props	13	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	4,104	No		
	DPC (20m long)	6	Roll		
	Sand	22	M ³		
	Cement-50kgs	197	Bags		
	Aggregates (1/2")	13	M ³		
	Reinforcement - 16mm diameter high tensile	15	PC'S		
	Reinforcement - 12mm diameter high tensile	48	PC'S		
	Reinforcement - 8mm diameter	37	PC'S		
	Binding Wire - 1kg	20	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	18	PC'S		
	Timber 1" X 5" (Plates)	12	PC'S		
	Timber 2" X 2"	15	PC'S		
	Supporting Props	40	PC'S		
	Mild steel grill wall, consisting of 25 x25 square pipes welded to 32mm diameter horizontal, vertical and metal frame, full height including forming opening of 1800 x 2100mm high (m/s) as per drawings	35	m2		
	SUB-TOTAL SUPER STRUCTURE				
C.	ROOF STRUCTURE & COVERING				
1	<u>Roof Structure - Provisional</u>				
	Timber 2 " X 3" Purlins	1,137	FT		
	Timber 2" X 4" King Post, wall plate and struss	1,647	FT		
	Timber 2" X 6" Rafter and Tie beam	1,692	FT		
	Fascia board 1" X 10" (5.2m long)	16	PC'S		
	Nails -5"	50	Kgs		
	Nails -4"	30	Kgs		
	Nails -3"	10	Kgs		
	NOTE: The above softwood timber structure should be pressure impregnated treated				
				C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				B/F	
2	<u>Roof Covering -as per ALAF or other equal and approved</u>				
	28G IT5 resincoated sheet	477	M ²		
	Hips/Ridge and valley - 28 G	13	PC'S		
	50mm thick fibre glass 18kg/m3 reflective on one surface complete with 2.5mm diameter deep galvanised steel wire at 300mm centres	477	M ²		
	Roofing Nails	28	Packet		
3	<u>Gutter's</u>				
	Upvc 125mm half round (6m long)-5"	15	PC'S		
	Upvc 75mm diametre 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	86	PC'S		
	Gutter Clamp 3"	12	PC'S		
	Connector/reducer	12	PC'S		
	Gutter corner 90'	4	PC'S		
	SUB-TOTAL ROOF STRUCTURE & COVERING				
E.	<u>CEILING</u>				
	Gypsum board -9mm thick	116	PC'S		
	Plain Cornice (8ft)	76	PC'S		
	Gypsum Screw 1" 800pcs/box	14	Box		
	Screw 1.25" 800pcs/box	23	Box		
	Gypsum powder	27	Bags		
	Fibre tape	2	Pcs		
	Treated softwood Timber 2" X 2"	3,411	FT		
	Nails 4"	30	Kgs		
	Nails 3"	27	Kgs		
	PVC ceiling with its fittings	57	Pc's		
	SUB-TOTAL FOR CEILING				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
F.	DOOR				
1	Metal door				
	3000 x 3100 mm high Roller shutter door	2	PC'S		
	1800 x 2100mm mild steel grill door	1	PC'S		
2	<u>40mm thick solid core flush door shutter</u>				
	1000 x2100mm high single door	2	PC'S		
	900 x2100mm high single door	2	PC'S		
3	<u>Frames (hardwood),Varnish, Glass & Burglar bar</u>				
	1000 x 2500mm high frame	2	PC'S		
	900 x 2500mm high frame	2	PC'S		
	5mm thick clear glass to Vents	4	M ²		
	16 mm burglar bars	1	PC'S		
	Brush 3"	2	Pcs		
	Sand paper (msasa) No.80	2	LM		
	Clear Varnish - 4Litres	3	TIN		
	Thinner for Varnish -4Litres	2	Litres		
4	<u>IronMongeries ref: union</u>				
	Mortice lock Three lever	4	No		
	Brass hinges - 100mm	4.5	Pairs		
	Wood Screw	1	Box		
	Kick plate size 900 x 200mm high	4	PC'S		
	Pushing plate	0	PC'S		
	Kick plate size 1000 x 200mm high	4	PC'S		
	Door closer	4	PC'S		
	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, Mosquitor gauze, ironmongeries and all necessary accessories</u>				
	2800 X 900mm high	13	PC'S		
	1000 X 1200mm high	2	PC'S		
	1600 x 2100mm high	5	PC'S		
2	<u>Supply and fix 4mm thick flat bar grill painted red-oxide</u>				
	2800 X 900mm high	13	PC'S		
	1000 X 1200mm high	2	PC'S		
	1600 x 2100mm high	5	PC'S		
	SUB-TOTAL FOR WINDOWS				
H.	FINISHING				
1	<u>Floor finishing - (ratio 1:4)</u>				
	Sand	15	M ³		
	Cement-50kgs	97	Bags		
	450 x 450x 9mm Thick Non slippery Porcelain floor tiles (1.42 Sqm/Box)	233	Box		
	Skirting (600 mm long; 25No/Box)	12	Box		
	Epoxy Grout (1kg/packet)	50	Packet		
	Spacer	26	Packet		
2	<u>Wall Finishing</u>				
	Sand	19	M ³		
	Cement-50kgs	117	Bags		
	White cement - 50kg	34	Bags		
	Gypsum powder	51	Bags		
	200 x 300mm x 9mm thick ceramic wall tiles (0.97 Sqm/Box)	44	Box		
	Hardwood shelves finished (3m)	33	Pcs		
	Aluminium shelves with clear sliding glass complete with all accessories	27	m2		
	Accessories including brackets, screws etc	30	Nr.		
	Epoxy Grout (1kg/packet)	10	Packet		
	Spacer	5	Packet		
	Sand paper Msasa No.120	1.0	Roll		
	SUB-TOTAL FOR FINISHING				

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

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
K.	ELECTRICAL INSTALLATION				
1	Single flourescent fitting, approved philips or equal	14	No		
2	Double flourescent fitting, approved philips or equal	10	No		
3	Double switch sorcket	14	No		
4	Main switch 12way,3PH with intergral RCD as MEM or equal	1	No		
5	Single core wire 1.5sqmm -Red	300	m		
6	Single core wire 1.5sqmm -Black	300	m		
7	Single core wire 1.5sqmm -green	200	m		
8	Single core wire 2.5sqmm -Red	200	m		
9	Single core wire 2.5sqmm -Black	200	m		
10	Single core wire 2.5sqmm Green	200	m		
11	Ceilling fan, approved National or equal	2	PC'S		
12	16mmsq 4 core cable	20	M		
13	One gang one way switch	4	No		
14	3 gang one way switch	0	No		
15	2gang two way switch	7	No		
16	4gang one way switch	0	No		
17	Wall mounted light	2	No		
18	20A DP switch	7	No		
19	Lan socket	2	No		
20	Gypsum light complete with energy saver 18w	2	No		
21	Gypsum light LED complete with energy saver 40w	0	No		
22	Earth rod approved copper not less than 1200mm	1	No		
23	Earth wire 4sqmm	30	M		
24	Plastic clips (22mm)	3	BOX		
25	Conduit pipe	80	PC		
26	Telephone socket outlet	2	PC		
27	Metal box double	14	PC		
28	Metal box single	21	PC		
29	Round cover	50	PC		
30	Junction box	40	PC		
31	Elbow	35	PC		
32	Conduit coupling	20	PC		
				C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				B/F	
33	Fine screw	5	Packet		
34	Round Box	50	PC		
	Air condition				
35	Supply and Fix LG or equal and approved A.C with all necessary accessories -BTU 1800	7	No		
	SUB-TOTAL FOR ELECTRICAL INSTALLATION				
L.	PLUMBING & SANITARY INSTALLATION-PROVISIONAL				
1	Polypipe 3/4	5	m	2,500	12,500
2	IPS Pipe 1/2	1	PC'S	2,500	2,500
3	Angle valve	6	PC'S	2,500	15,000
4	IPS Elbow 1/2"	4	PC'S	1,000	4,000
5	IPS Elbow 3/4"	2	PC'S	1,000	2,000
6	IPS Tee 1/2"	4	PC'S	1,000	4,000
7	Flexible pipe	4	PC'S	1,000	4,000
8	IPS nipple 1/2"	6	PC'S	1,000	6,000
9	IPS nipple 3/4"	1	PC'S	1,000	1,000
10	IPS reducing bush 3/4" - 1/2"	1	PC'S	1,000	1,000
11	IPS Socket reducing 3/4" - 1/2"	1	PC'S	1,000	1,000
12	IPS union 3/4"	1	PC'S	1,000	1,000
13	IPS Pipe 3/4	1	PC'S	1,000	1,000
14	connector 3/4"	1	PC'S	1,000	1,000
15	IPS socket 1/2"	6	PC'S	1,000	6,000
16	Bib tap pex 1/2"	2	PC'S	12,000	24,000
17	Stop cock pex '1/2"	1	PC'S	12,000	12,000
18	Stop cock pex '3/4"	1	PC'S	12,000	12,000
19	Thread seal tape	5	PC'S	800	4,000
20	Toilet shower (shataf)	2	PC'S	150,000	300,000
21	Armitage shank hand wash basin sink large catalogue no1179334	2	Nr.	200,000	400,000
22	WC Eastern complete as per Armitage or other approved	2	Nr.	300,000	600,000
23	Non tap 1 ^{1/2} "	1	Nr.	5,000	5,000
24	PVC pipe 1 ^{1/2} "	1	PC'S	5,000	5,000
25	PVC pipe 1 ^{1/4} "	1	PC'S	5,000	5,000
26	PVC Elbow 1 ^{1/4} "	1	PC'S	5,000	5,000
27	PVC Elbow 1 ^{1/2} "	1	PC'S	5,000	5,000
				C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				B/F	
28	PVC tee 1 ^{1/4} "	2	PC'S	3,500	7,000
29	PVC Bend 1 ^{1/4} "	1	PC'S	3,500	3,500
30	PVC bend with Female Thed 1 ^{1/4} "	2	PC'S	3,500	7,000
31	PVC bend 1 ^{1/4} "	2	PC'S	3,500	7,000
32	PVC plug 1 ^{1/4} "	1	PC'S	3,500	3,500
33	PVC plug 1 ^{1/2} "	1	PC'S	3,500	3,500
34	P- trap 4'	1	PC'S	6,000	6,000
35	Tangit	1	TIN	5,000	5,000
36	PVC socket reducing 1 ^{1/2} x 1 ^{1/4} "	1	PC'S	6,000	6,000
37	PVC socket with Female threads 1 ^{1/4} "	2	PC'S	10,000	20,000
38	PVC socket with Female threads 1 ^{1/2} "	1	PC'S	3,500	3,500
	SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION				1,511,000

<u>GENERAL SUMMARY</u>		AMOUNT
		TZS
	<u>PHARMACY BLOCK</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	Kusafisha eneo	
2	Kuseti jengo	
3	Uchimbaji wa msingi	
4	Kufukia	
	<u>Kufunga mbao</u>	
5	Pembezeni mwa jamvi	
6	Pembezeni mwa nguzo	
7	Kuondoa mbao	
	<u>Kumwaga zege</u>	
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 (1666 No)	
	<u>Mawe</u>	
13	Upangaji wa mawe na utandazaji wa DPM	
14	Umwagiliaji wa maji	
	Jumla ndogo msingi wa jengo	
B.	<u>Kunyanyua jengo (Super-structure)</u>	
1	Ujenzi wa tofali za kuta na uwekaji DPC (4104 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	

MAJUMUIISHO (SUMMARY)		
		Shs
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)	
	JUMLA KUU Shs.	

ANGALIZO:

Fundi anatakiwa kujaza hii fomu kwa kupitia mchoro wa jengo husika

Drawings