

THE UNITED REPUBLIC OF TANZANIA



PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

PROPOSED STANDARD COUNCIL LEVEL HOSPITALS

Schedule of Material, Labour & Drawings for Vaccine Store

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.

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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")	13	M ³		
	Sand	7	M ³		
	Cement-50kgs	47	Bags		
2	<u>Foundation Walls</u>				
	6" Cement & Sand Block	896	No		
	Sand	3.0	M ³		
	Cement -50kgs	15	Bags		
3	<u>Moram, Hardcore & Site sterilization</u>				
	Moram (4.5m ³ lorry)	9	Trips		
	Hadcore (4.5m ³ lorry)	6	Trips		
	Sand	7	M ³		
	Aldrin solution or equal and approved (Diluted)	126	Litres		
4	<u>Oversite Concrete (100mm thick - 15 grade) & Ground Beam - 20 grade and column base</u>				
	DPM	126	M ²		
	Cement -50kgs	114	Bags		
	Aggregates (1/2")	19	M ³		
	Sand	10	M ³		
	Reinforcement - 16mm diameter high tensile	2	PC'S		
	Reinforcement - 12mm diameter high tensile	29	PC'S		
	Reinforcement - 8mm diameter	35	PC'S		
	Timber 1" X 8" (5.2m long)	9	PC'S		
	Timber 2" X 2"	5	PC'S		
	Nails-4"	6	Kgs		
	Nails-3"	6	Kgs		
	Supporting props	10	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	2,386	No		
	Cement & Sand hollow Block	200	No		
	DPC (20m long)	5	Roll		
	Sand	12	M ³		
	Cement-50kgs	95	Bags		
	Aggregates (1/2")	5	M ³		
	Reinforcement - 12mm diameter high tensile	31	PC'S		
	Reinforcement - 8mm diameter	35	PC'S		
	Binding Wire - 1kg	5	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	11	PC'S		
	Timber 1" X 5" (Plates)	5	PC'S		
	Timber 2" X 2"	5	PC'S		
	Supporting Props	10	PC'S		
	SUB-TOTAL SUPER STRUCTURE				
C.	ROOF STRUCTURE & COVERING				
1	<u>Roof Structure - Provisional</u>				
	Timber 2" X 3" Purlins	396	FT		
	Timber 2" X 4" King Post, wall plate and struss	609	FT		
	Timber 2" X 6" Rafter and Tie beam	633	FT		
	Fascia board 1" X 10" (5.2m long)	11	PC'S		
	Nails -5"	30	Kgs		
	Nails -4"	20	Kgs		
	Nails -3"	10	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 IT5 resincoated sheet	200	M ²		
	Hips/Ridge and valley - 28 G	7	PC'S		
	Roofing Nails	12	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"	8	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	46	PC'S		
	Gutter Clamp 3"	12	PC'S		
	Connector/reducer	6	PC'S		
	Gutter corner 90'	4	PC'S		
	SUB-TOTAL ROOF STRUCTURE & COVERING				
E.	<u>CEILING</u>				
	Gypsum board -9mm thick	44	PC'S		
	Plain Cornice (8ft)	55	PC'S		
	Gypsum Screw 1" 800pcs/box	4	Box		
	Screw 1.25" 800pcs/box	10	Box		
	Gypsum powder	11	Bags		
	Fibre tape	2	Pcs		
	Treated softwood Timber 2" X 2"	1,326	FT		
	Nails 4"	15	Kgs		
	Nails 3"	10	Kgs		
	SUB-TOTAL FOR CEILING				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
F.	DOOR				
1	METAL DOOR				
	3000 X 2500mm Steel Roller shutter door complete with iron Mongery and all accessories	1	PC'S		
	Ditto size 2400 x 250mm high; Ditto	2	PC'S		
2	<u>40mm thick Solid core flush door shutter</u>				
	1000 x 2100mm high	1	PC'S		
	900 x 2100mm High	4	PC'S		
3	<u>Frames (hardwood),Varnish, Glass & Burglar bar</u>				
	1000 x 2500mm high	1	PC'S		
	900 x 2500mm high	4	PC'S		
	5mm thick clear glass to Vents				
	1000 x 400mm high	1	PC'S		
	900 x 400mm high	4	PC'S		
	Brush 3"	2	Pcs		
	Sand paper (msasa) No.80	3	LM		
	Clear Varnish - 4Litres	2	TIN		
	Thinner for Varnish -4Litres	2	Litres		
4	<u>IronMongeries</u>				
	Mortice lock Three lever - ref: union	7	No		
	Brass hinges - 100mm	7.5	Pairs		
	Wood Screw	2	Box		
	Kick plate size 900 x 200mm high	8	Pcs		
	Kick plate size 1000 x 200mm high	2	Pcs		
	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 associated accessories</u>				
	1600 X 1500mm high (w1)	3	PC'S		
	1000 X 750mm high (w3)	2	PC'S		
	2800 X 900mm high (w2)	6	PC'S		
2	<u>Supply and fix 4mm thick flat bar grill painted red-oxide</u>				
	1600 X 1500mm high (w1)	3	PC'S		
	1000 X 750mm high (w3)	2	PC'S		
	2800 X 900mm high (w2)	6	PC'S		
	SUB-TOTAL FOR WINDOWS				
H.	FINISHING				
1	<u>Floor finishing - (ratio 1:4)</u>				
	Sand	8	M ³		
	Cement-50kgs	40	Bags		
	450 x 45x 9mm Thick Non slippery Porcelain floor tiles (1.42 Sqm/Box)	88	Box		
	Epoxy Tiles	20	Box		
	Skirting (600 mm long; 25No/Box)	9	Box		
	Epoxy Grout (1kg/packet)	18	Packet		
	Spacer	10	Packet		
2	<u>Wall Finishing</u>				
	Sand	12	M ³		
	Cement-50kgs	73	Bags		
	White cement - 50kg	10	Bags		
	Gypsum powder	10	Bags		
	200 x 300mm x 9mm thick ceramic wall tiles (0.97 Sqm/Box)	8	Box		
				C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				B/F	
	Epoxy Grout (1kg/packet)	4	Packet		
	Spacer	2	Packet		
	Hardwood shelves finished (3m)	22	Pcs		
	Aluminium shelves with clear sliding glass complete with all accessories	22	m2		
	Accessories including brackets, screws etc	19	Nr.		
	Sand paper Msasa No.120	1.0	Roll		
	SUB-TOTAL FOR FINISHING				
J.	PAINTING & DECORATION				
	Emulsion Paint - 20 LTRS	4	buckets		
	Weather guard Paint - 20 LTRS	2	buckets		
	Washable paint -20 LTRS	2	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	3	TIN		
	SUB-TOTAL FOR PAINTING&DECORATION				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
K.	ELECTRICAL INSTALLATION				
1	Single fluorescent fitting, approved philips or equal	2	No		
2	Double fluorescent fitting, approved philips or equal	11	No		
3	Double switch socket	14	No		
4	Main switch 12way,3PH with intergral 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	Ceilling fan, approved National or equal	1	PC'S		
12	16mmsq 4 core cable	20	M		
13	1gang one way switch	0	No		
14	2gang two way switch	6	No		
15	Gypsum light complete with energy saver 18w	4	No		
16	Earth rod approved copper not less than 1200mm	1	No		
17	Earth wire 4sqmm	20	M		
18	Plastic clips (22mm)	3	BOX		
19	Conduit pipe	80	PC		
20	Metal box double	10	PC		
21	Metal box single	9	PC		
22	Round cover	50	PC		
23	Junction box	15	PC		
24	Elbow	20	PC		
25	Conduit coupling	15	PC		
26	Fine screw	1	Packet		
27	Round Box	10	PC		
28	TV Socket	0	PC		
	SUB-TOTAL FOR ELECTRICAL INSTALLATION				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
L.	PLUMBING & SANITARY INSTALLATION-PROVISIONAL				
1	Polypipe 3/4"	10	M		
2	IPS Pipe 1/2	2	PcS		
3	IPS Pipe 3/4	1	PcS		
4	Flexible pipe	4	PcS		
5	IPS Elbow 1/2"	3	PC'S		
6	IPS Elbow 3/4"	2	PC'S		
7	Angle valve	6	PC'S		
8	IPS nipple 1/2"	6	PC'S		
9	IPS nipple 3/4'	1	PC'S		
10	IPS Tee 1/2"	5	PC'S		
11	IPS reducing socket 1" - 3/4"	0	PC'S		
12	Bush reducing 3/4" - 1/2"	1	PC'S		
13	IPS union 3/4"	1	PC'S		
14	Tee connector 3/4"	0	PC'S		
15	connector 3/4"	1	PC'S		
16	Connector 1"	1	PC'S		
17	Toilet shower (Shataf)	2	PC'S		
18	IPS socket 1/2"	6	PC'S		
19	Bib tap pex 1/2"	0	PC'S		
20	Stop cock pex '1"	1	PC'S		
21	Thread seal tape	1	PC'S		
22	PVC pipe 1 ^{1/4}	1	PC'S		
23	PVC pipe 4"	2	PC'S		
24	PVC bend 1 ^{1/4}	1	PC'S		
25	PVC bend 4"	2	PC'S		
26	PVC bend with cleaning eye 4"	2	PC'S		
27	PVC Tee 1 ^{1/4}	2	PC'S		
28	PVC plug 1 ^{1/4} "	1	PC'S		
29	P- trap 4'	1	PC'S		
30	Tangit	1	TIN		
31	PVC socket with Female threads 1 ^{1/4} "	2	PC'S		
32	PVC socket with Female threads 1 ^{1/2} "	1	PC'S		
33	WC Eastern complete as per Armitage or other approved	2	Nr.		
34	Armitage shank hand washi basin sink large catalogue no 1179334	2	Nr.		
	SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION				

<u>GENERAL SUMMARY</u>		AMOUNT
		TZS
	<u>VACCINE STORE</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 (896 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 (2,386 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	
	<u>C. 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