

THE UNITED REPUBLIC OF TANZANIA



PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

PROPOSED STANDARD COUNCIL LEVEL HOSPITALS

Schedule of Material, Labour & Drawings for Laboratory 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.

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")	36	M ³		
	Sand	18	M ³		
	Cement-50kgs	162	Bags		
2	<u>Foundation Walls</u>				
	6" Cement & Sand Block	2,268	No		
	Sand	8.0	M ³		
	Cement -50kgs	38	Bags		
3	<u>Moram, Hardcore & Site sterilization</u>				
	Moram (4.5m ³ lorry)	27	Trips		
	Hardcore (4.5m ³ lorry)	14	Trips		
	Sand	12	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	338	Bags		
	Aggregates (1/2")	57	M ³		
	Sand	28	M ³		
	Reinforcement - 16mm diameter high tensile	14	PC'S		
	Reinforcement - 12mm diameter high tensile	80	PC'S		
	Reinforcement - 8mm diameter	90	PC'S		
	Timber 1" X 8" (5.2m long)	15	PC'S		
	Timber 2" X 2"	14	PC'S		
	Nails-4"	15	Kgs		
	Nails-3"	15	Kgs		
	Supporting props	18	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	6,145	No		
	Cement & Sand hollow Block	0	No		
	DPC (20m long)	12	Roll		
	Sand	30	M ³		
	Cement-50kgs	222	Bags		
	Aggregates (1/2")	10	M ³		
	Reinforcement - 12mm diameter high tensile	48	PC'S		
	Reinforcement - 8mm diameter	80	PC'S		
	Binding Wire - 1kg	28	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 centers welded together	17	m		
	SUB-TOTAL SUPER STRUCTURE				
C.	ROOF STRUCTURE & COVERING				
1	<u>Roof Structure - Provisional</u>				
	Timber 2 " X 3" Purlins	1,362	FT		
	Timber 2" X 4" King Post, wall plate and struss	2,052	FT		
	Timber 2" X 6" Rafter and Tie beam	1,809	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 other equal and approved</u>				
	28G IT5 resincoated sheet	654	M ²		
	Hips/Ridge and valley - 28 G	17	PC'S		
	Roofing Nails	14	Packet		
	TO COLLECTION			C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	ROOF STRUCTURE & COVERING CONT...				
				B/F	
3	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.	CEILING				
	Gypsum board -9mm thick	141	PC'S		
	Plain Cornice (8ft)	153	PC'S		
	Gypsum Screw 1" 800pcs/box	28	Box		
	Screw 1.25" 800pcs/box	4	Box		
	Gypsum powder	24	Bags		
	Fibre tape	4	Pcs		
	Treated softwood Timber 2" X 2"	5,388	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	Metal Door				
	Grill double door size 3000x 2500mm high complete with all accessories and Iron mongery including top	1	Nr.		
2	<u>40mm thick solid core Flush door shutter</u>				
	900 x 2100 mm high	10	PC'S		
	800 x2100mm high	3	PC'S		
	1800 x2100mm high double door	1	PC'S		
	1500 x2100mm high double door	8	PC'S		
	750 x2100mm high	4	PC'S		
3	<u>Frames (hardwood),Varnish, Glass & Burglar bar</u>				
	900 x 2500 mm high frame	10	PC'S		
	800 x 2500mm high frame	3	PC'S		
	1800 x 2500mm high double door frame	1	PC'S		
	1500 x 2500mm high double door frame	8	PC'S		
	750 x 2100mm high frame	4	PC'S		
	5mm thick clear glass to Vents	14	M ²		
	16 mm burglar bars	5	PC'S		
	Brush 3"	4	Pcs		
	Sand paper (msasa) No.80	6	LM		
	Clear Varnish - 4Litres	5	TIN		
	Thinner for Varnish -4Litres	4	Litres		
4	<u>Ironmongeries</u>				
	Mortice lock Three lever - ref: union	27	No		
	Brass hinges - 100mm	27.0	Pairs		
	Wood Screw	6	Box		
	Kick plate size 900 x 200mm high	24	PC'S		
	Pushing plate	36	PC'S		
	Hinges doubles swing-150mm	27.0	Pairs		
	Kick plate size 750 x 200mm high	40	PC'S		
	SUB-TOTAL FOR DOORS				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
G.	WINDOWS				
1	<u>Supply and fix Aluminum Windows 2mm thick frame with 5mm thick glass, Mosquito gauze, ironmongeries and its necessary accessories</u>				
	1600 X 1500mm high	19	PC'S		
	2400 X 1500mm high	3	PC'S		
	1200 X 1500mm high	4	PC'S		
	1200 X 750mm high	7	PC'S		
2	<u>Supply and fix 4mm thick flat bar grill painted red-oxide</u>				
	1600 X 1500mm high	19	PC'S		
	2400 X 1500mm high	3	PC'S		
	1200 X 1500mm high	4	PC'S		
	1200 X 750mm high	7	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 thick Non slippery Porcelain floor tiles (1.42Sqm/Box)	175	Box		
	Supply and fix Non Slippery EPOXY floor finish sheet with its fittings and skirting as per theater requirements	101	m2		
	Skirting (600 mm long; 25No/Box)	20	Box		
	Epoxy Grout (1kg/packet)	50	Packet		
	Spacer	25	Packet		
				C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				B/F	
2	Wall Finishing				
	Sand	35	M ³		
	Cement-50kgs	200	Bags		
	White cement - 50kg	22	Bags		
	Gypsum powder	20	Bags		
	200 x 300mm x 9mm thick ceramic wall tiles (0.97 Sqm/Box)	55	Box		
	Epoxy Grout (1kg/packet)	9	Packet		
	Spacer	5	Packet		
	Hardwood shelves finished (3m)	16	Pcs		
	Aluminum shelves with clear sliding glass complete with all accessories	27	m2		
	Accessories including brackets, screws etc	16	Nr.		
	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	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 fluorescent fitting, approved Philips or equal	33	No		
2	Double fluorescent fitting, approved Philips or equal	9	No		
3	Double switch socket	22	No		
4	Main switch 8way,3PH with integral 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	400	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	Ceiling fan, approved National or equal	4	PC'S		
12	16mmsq 4 core cable	20	M		
13	3 gang one way switch	2	No		
14	2gang two way switch	21	No		
15	20A DP switch	6	No		
16	Lan socket	2	No		
17	Gypsum light complete with energy saver 18w	9	No		
18	Earth rod approved copper not less than 1200mm	1	No		
19	Earth wire 4sqmm	30	M		
20	Plastic clips (22mm)	3	BOX		
21	Conduit pipe	110	PC		
22	Telephone socket outlet	2	PC		
23	Metal box double	24	PC		
24	Metal box single	27	PC		
25	Round cover	100	PC		
26	Junction box	60	PC		
27	Elbow	70	PC		
28	Conduit coupling	50	PC		
29	Fine screw	5	Packet		
30	Round Box	50	PC		
31	Cooker control unit	3	PC		
	Air condition				
32	Supply and Fix LG or equal and approved A.C with all necessary accessories -BTU 1800	6	No		
	SUB-TOTAL FOR ELECTRICAL INSTALLATION				

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
L.	PLUMBING & SANITARY INSTALLATION-PROVISIONAL				
1	Polypipe 3/4	80	m		
2	IPS pipe 1/2	3	PC'S		
3	IPS pipe 3/4"	2	PC'S		
4	IPS Elbow 1/2"	25	PC'S		
5	IPS Elbow 3/4"	18	PC'S		
6	IPS Tee 1/2"	25	PC'S		
7	Flexible pipe	5	PC'S		
8	IPS nipple 1/2"	15	PC'S		
9	IPS nipple 3/4"	7	PC'S		
10	IPS reducing bush 3/4" - 1/2"	10	PC'S		
11	IPS union 3/4"	7	PC'S		
12	Tee connector 3/4"	7	PC'S		
13	connector 3/4"	2	PC'S		
14	IPS socket 1/2"	6	PC'S		
15	Bib tape pex 1/2"	7	PC'S		
16	Stop cock pex 1/2"	2	PC'S		
17	Stop cock pex 3/4"	7	PC'S		
18	Thread seal tape	25	PC'S		
19	Toilet shower (shataf)	5	PC'S		
20	Laboratory sink size 750x550x200mm deep, ceramic chemical resistance sink	7	Nr.		
21	Armitage shank hand wash basin sink large catalogue no 1179334	9	Nr.		
22	Single drainer stainless steel kitchen sink size 1000 x 600mm	1	Nr.		
23	Emergency shower complete with eye wash	1	Nr.		
24	Disabled toilet (Western type) complete with horizontal and vertical grab rails	1	Nr.		
25	Ceramic Shower tray 900 x 900 mm complete with all necessary accessories.	2	Nr.		
26	Armitage shank; spey sluice suite bedpan and bottle sluice suite ; catalogue no 37010JP	1	Nr.		
27	WC Eastern complete as per Armitage or other approved	4	Nr.		
28	Non tap 1 1/2"	2	Nr.		
29	PVC pipe 1 1/2"	4	PC'S		
30	PVC pipe 1 1/4"	2	PC'S		
				C/F	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				B/F	
31	PVC Elbow 1 1/4"	6	PCS		
32	PVC Elbow 1 1/2"	9	PCS		
33	PVC tee 1 1/4"	6	PCS		
34	PVC tee 1 1/2"	14	PCS		
35	PVC bend 1 1/2"	1	PCS		
36	PVC bend 1 1/4"	1	PCS		
37	PVC plug 1 1/4"	5	PCS		
38	PVC plug 1 1/2"	11	PCS		
39	P- trap 4'	5	PCS		
40	Tangit	2	TIN		
41	PVC socket reducing 1 1/2 x 1 1/4"	1	PCS		
42	Wash hand basin complete	9	Nr		
43	PVC socket with Female threads 1 1/4"	7	PCS		
44	PVC socket with Female threads 1 1/2"	9	PCS		
45	Shower rose complete with mixer and stand	2	PCS		
	SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION				

<u>GENERAL SUMMARY</u>		AMOUNT
		TZS
	<u>LABORATORY 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	Pembezoni mwa jamvi	
6	Pembezoni 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 (2268 No)	
	<u>Mawe</u>	
13	Upangaji wa mawe na utandazaji wa DPM	
14	Umwagiliaji wa maji	
	Jumla ndogo msingi wa jengo	
	<u>B. Kunyanyua jengo (Super-structure)</u>	
1	Ujenzi wa tofali za kuta na uwekaji DPC (6145 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>	
5	Ufungaji wa mbao za dali (Branding)	
6	Uwekaji wa dali na mikanda ya gypsum	
7	Uwekaji wa dali ya pvc kuzunguka nyumba kwa nje	
8	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