

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 External Works

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### PROJECT AREA

TANZANIA MAINLAND

Ministry of Health, Community  
Development, Gender, Elderly and Children,  
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College of Humanities,  
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APRIL, 2018

PO-RALG

# **Schedule of Material**

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<b><u>MATERIALS</u></b>				
<b>1</b>	<b>EXTERNAL WORKS</b>				
<b>A</b>	<b><u>Roads and Parking</u></b>				
	G15 fill Materials (Kifusi G15)(4.5 m3 lorry)	393	Trips		
	Sand	589	M <sup>3</sup>		
	Gravel materials G 45 (4.5m <sup>3</sup> lorry)	785	Trips		
	Moram (4.5m <sup>3</sup> lorry)	53	Trips		
	Bitumen Asphalt concrete 30mm thick	6,319	m2		
	Aldrin solution or equal and approved	11,777	Litres		
	<b>SUB-TOTAL ROADS AND PARKING</b>				
<b>B</b>	<b><u>COVERED WALKWAYS (Provisional)</u></b>				
<b>1</b>	<b><u>SUBSTRUCTURE</u></b>				
	DPM	2,274	M <sup>2</sup>		
	Hardcore (4.5m <sup>3</sup> lorry)	75	Trips		
	Moram (4.5m <sup>3</sup> lorry)	20	Trips		
	Cement -50kgs	3,427	Bags		
	Aggregates (1/2")	473	M <sup>3</sup>		
	Sand	267	M <sup>3</sup>		
	6" Cement & Sand Block	9,899	No		
	Aldrin solution or equal and approved	2,274	Litres		
	Reinforcement - 12mm diameter high tensile	212	PC'S		
	Reinforcement - 8mm diameter	197	PC'S		
	Timber 1" X 8 " (5.2m long)	180	PC'S		
	Timber 2" X 2"	90	PC'S		
	Nails-4"	80	Kgs		
	Nails-3"	80	Kgs		

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
2	<b>SUPERSTRUCTURE</b>				
	75mm Diameter Galvanized black Pipe 2500mm high (1pcs=6m high)	319	PC'S		
	200x 200m x12mm thick Mild steel plate(2.88m2)	9	Nr		
	u shape ms plate 4mm thick	3	Nr		
	16mm Diameter Ms J Bolts 600mm long	2,552	Nr		
	12mm Diameter bolts with nut and washer	1,276	Nr		
3	<b>Roof Structure - Provisional</b>				
	Timber 2" X 3" Purlins	8,604	FT		
	Timber 2" X 6" Rafter and Tie beam	11,868	FT		
	Timber 2" X 4" King Post, wall plate and struss	14,541	FT		
	Fascia board 1" X 10" (5.2m long)	480	PC'S		
	Nails -5"	500	Kgs		
	Nails -4"	500	Kgs		
	Nails -3"	300	Kgs		
	<b>NOTE:</b> The above softwood timber structure should be pressure impregnated treated				
	<b>Roof Covering -as per ALAF or equal and approved</b>				
	28G IT5 resincoated sheet	2,956	M <sup>2</sup>		
	Hips/Ridge and valley - 28 G	414	PC'S		
	Roofing Nails	178	Packet		
	Supporting props	100	PC'S		
	<b>SUB-TOTAL WALKWAYS</b>				
<b>C</b>	<b>DRAINAGE SYSTEM</b>				
	Fill materials ( Imported or sand materials)	15	Trips		
	Sand	100	M <sup>3</sup>		
	Cement-50kgs	530	Bags		
	Aggregates (1/2")	150	M <sup>3</sup>		
	Polythene sheets	474	m2		
				<b>C/F</b>	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				<b>B/F</b>	
	600mm diameter internal pre cast concrete pipe culvert	6	Nrs		
	Steel reinforcements 5.5 mm BRC Mesh	256	PC'S		
	Binding Wire - 1kg	40	Bundle		
	Timber 1" X 8" to Sides (5.2m long)	101	PC'S		
	Timber 1" X 5" (Plates)	50	PC'S		
	Timber 2" X 2"	20	PC'S		
	Supporting Props	100	PC'S		
	<b>SUB-TOTAL DRAINAGE SYTEM</b>				
<b>D</b>	<b>ELECTRICAL INSTALLATION</b>				
1	Distribution board 1200A' 3 PH, 27 Ways, with surge arrester approved ABB or equal	1	No		
2	185mm <sup>2</sup> SWA, 4Core	50	m		
3	16mmsq SWA, 4Core	7300	m		
	<b>SUB-TOTAL FOR ELECTRICAL INSTALLATION</b>				
<b>E</b>	<b>PLUMBING &amp; SANITARY INSTALLATION- PROVISIONAL</b>				
1	Polypipe 3/4"	70	M		
2	Polypipe 1'	990	M		
3	Polypipe 1 1/4"	520	M		
4	Polypipe 2"	500	M		
5	IPS Pipe 1/2	1	PcS		
6	IPS Pipe 2"	3	PcS		
7	Tee connector 1"	11	PC'S		
8	Tee connector 1 1/4"	5	PC'S		
9	Tee connector 2"	11	PC'S		
10	connector 3/4"	20	PC'S		
11	connector 1"	4	PC'S		
12	connector 1 1/4"	3	PC'S		
13	connector 2"	5	PC'S		
14	Bush sockets 2" x 1 1/2"	1	PC'S		
15	Bush reducing 1' x 3/4"	11	PC'S		
16	Bush reducing 1 1/4' x 3/4"	5	PC'S		
17	Bush reducing 2' x 3/4"	2	PC'S		
				<b>B/F</b>	

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
				C/F	
18	Bush reducing 2' x 1"	7	PC'S		
19	Bush reducing 2' x 1 1/4"	1	PC'S		
20	IPS Elbow 2"	10	PC'S		
21	IPS nipple 3/4'	24	PC'S		
22	IPS nipple 2'	13	PC'S		
23	IPS union 2"	1	PC'S		
24	Gate valve "Pex" 3/4"	30	PC'S		
25	Gate valve "Pex" 1"	14	PC'S		
26	Gate valve "Pex" 1 1/4"	12	PC'S		
27	Gate valve "Pex" 2"	2	PC'S		
28	Ball Valve 2"	6	PC'S		
29	Non return valve 2"	6	PC'S		
30	Riser for 20m3	1	Nr.		
31	Thread seal tape	10	PC'S		
32	PVC pipe 4"	25	PC'S		
33	PVC pipe 6"	170	PC'S		
34	Ground concrete tank	1	Nr.		
35	Pump 1HP	1	Nr.		
36	Sim Tank 3000 Litres	5	Nr.		
37	Sim Tank 5000 Litres	5	Nr.		
38	Riser for 3000 Litres	5	Nr.		
	<b>SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION</b>				



# **Schedule of Labour**



Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
<b>A</b>	<b><u>Barabara na Sehemu za maegesho</u></b>	
1	Kuchimba kutoa udongo wa juu	
2	Kusawasisha eneo lote kulingana	
3	Kufukia na kurudishia udongo unaofaa kutupa usiofaa	
	<b><u>Kushindilia na kumwagilia</u></b>	
4	Kushindilia Eneo la barabara	
5	Kushindilia Eneo la maegesho	
6	Kumwagilia	
	<b><u>Kazi ya greda/ Compactor/ Water boza/etc</u></b>	
7	Kuchonga kupata barabara na mifereji	
8	Umwagiliaji wa maji,	
9	kushindilia hadi kufikia kiwango kinachohitajika (98% MDD)	
10	Kuweka na kusambaza kifusi G15	
11	Kuweka na kusambaza changarawe G45	
12	Kazi ya subbase	
13	kazi ya asphalt bitumen concrete	
	<b>Jumla kwa barabara na Maegesho</b>	
	<b><u>Kujenga mifereji (Concrete works)</u></b>	
1	uchimbaji wa mifereji kando kando ya njia	
2	Kazi ya zege	
3	kuweka BRC Mesh	
4	Kupiga mbaoukingoni	
5	kutoa mbao	
6	Kumwagilia	
7	Kujenga Culvert la mdomo wa 600mm	
8	Kupigilia Mirunda	
	<b>Jumla kwa kazi ya mifereji</b>	
	<b>SEHEMU YA WAENDA KWA MGUU ILIYOZEKWA</b>	
<b>A</b>	<b><u>Msingi (Sub-structure)</u></b>	
1	Kuseti njia ya waenda kwa mguu	
2	Uchimbaji wa msingi	
3	Kufukia	
	<b><u>Kusuka nondo katika:</u></b>	
4	Nguzo mlalo	
5	Nguzo wima	

<b>Na.</b>	<b>AINA YA KAZI</b>	<b>BEI YA UFUNDI - Shs</b>
	<b><u>Kufunga mbao</u></b>	
6	Pembezeni mwa jamvi	
7	Pembezeni mwa nguzo	
8	Kuondoa mbao	
	<b><u>Kumwaga zege</u></b>	
9	Chini kwenye msingi wa tofali	
10	Chini kwenye msingi wa nguzo	
11	katika nguzo ya awali	
12	kwenye jamvi	
13	Nguzo wima	
14	Umwagiliaji wa maji	
15	Ujenzi wa tofali za msingi (9899 No)	
	<b><u>Mawe</u></b>	
16	Upangaji wa mawe na utandazaji wa DPM	
17	Umwagiliaji wa maji	
	<b><u>Kufunga nguzo za chuma:</u></b>	
18	Nguzo wima zenye urefu 2500mm (638Nrs.)	
19	Plates zake, bolts and u plate	
<b>C.</b>	<b><u>Kuezeka (Roof structure and covering)</u></b>	
20	Kuezeka na ufungaji wa gata	
<b>G.</b>	<b><u>Umeme (Electrical installation)</u></b>	
21	Usukaji wa umeme awamu ya kwanza - Conduit na Box	
22	Usukaji wa umeme awamu ya pili (2nd fix)-fittings	
	<b>Jumla kwa waenda kwa Miguu</b>	

<b>MAJUMUISHO (SUMMARY)</b>		
		<b>Shs</b>
A.	Barabara na Sehemu za maegesho	
B.	Mifereji ya Maji ya Mvua	
C.	Njia ya waenda kwa mguu iliyozekwa	
<b>JUMLA KUU Shs.</b>		

**ANGALIZO:**

Fundi anatakiwa kujaza hii fomu kwa kupitia mchoro wa SITE HUSIKA i.e vipimo vyote na Quantity viandane na vipimo vya eneo husika

# Drawings