

**THE UNITED REPUBLIC OF TANZANIA**



**PRESIDENT'S OFFICE  
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT**

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**PROPOSED RESIDENTIAL HOUSE FOR DISTRICT COMMISSIONERS  
(SCHEDULE OF MATERIALS)**

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**PROJECT AREA**

**TANZANIA MAINLAND**

Department of Infrastructure Development,  
President's Office Regional Administration,  
& Local Government,  
Government City-Mtumba,  
TAMISEMI Street,  
P.O.Box 1923,  
**41185 DODOMA.**

AUGUST, 2021

PO-RALG

# **SUMMARY**

PROPOSED RESIDENTIAL HOUSE FOR DISTRICT COMMISIONERS AT TANZANIA MAINLAND					
ITEM	ITEM DESCRIPTION	GROSS FLOOR AREA IN SQ.M	MATERIAL COST (TZS)	LABOUR COST (Ref. Schedule of Labour)	TOTAL COSTS (TZS)
			A	B	C=(A+B)
1	MAIN BUILDING	298			
2	SERVANT QUARTER	80			
3	SOLID FENCE WALL (357m Long)	-			
4	GUARD HOUSE	38			
5	EXTERNAL WORKS (Paved Area, Kerbstone & Glass)	-			
	SUB-TOTAL COSTS				
6	ADD:				
i	Preliminary (2% of Sub-Total Above)	-	-	-	
ii	Trasportation Cost (0.25% of Sub-Total Above)	-	-	-	
-					
	TOTAL ESTIMATED COST - TZS				

KEY: SQ.M = Square Meter

**NB:**  
**Preliminary Cover the followings Items:**  
Setting out Working tools,Temporary toilets, Water for the works,Timber Scaffolding, Power for the works,Store and Materials test

# **MAIN BUILDING**

**SCHEDULE OF MATERIALS**
**DC HOUSE**
**GROSS FLOOR AREA =298 SQ.M**

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<b><u>MATERIALS</u></b>				
<b>A</b>	<b><u>SUB-STRUCTURE -PROVISIONAL</u></b>				
<b>1</b>	<b><u>Strip Foundation - Grade 15 Plain (28m<sup>3</sup>)</u></b>				
	Aggregate (3/4")	20.2	m <sup>3</sup>		
	Sand	10.1	m <sup>3</sup>		
	Cement-50kgs (42.5)	98	Bags		
<b>2</b>	<b><u>Foundation Walls (257m<sup>2</sup>)</u></b>				
	6" Block - Cement & Sand	3,598	No		
	Sand	12	m <sup>3</sup>		
	Cement -50kgs (42.5)	90	Bags		
<b>3</b>	<b><u>Moram, Hardcore &amp; Site sterilization</u></b>				
	Moram (4.5m <sup>3</sup> lorry)	31	Trips		
	Hardcore 150mm thick - (4.5m <sup>3</sup> lorry)	8	Trips		
	Sand	5	m <sup>3</sup>		
	Aldrin solution or other and equal approved (1000mls)	4	Bottle		
<b>4</b>	<b><u>Oversite Concrete (24m<sup>3</sup>) 100mm thick - 15 grade</u></b> <b><u>,Ground Beam and base column (11.1m<sup>3</sup>) - 20 grade</u></b>				
	DPM	239	m <sup>2</sup>		
	Cement -50kgs (42.5)	157	Bags		
	Aggregates (1/2")	28	m <sup>3</sup>		
	Sand	14	M <sup>3</sup>		
	Reinforcement - 12mm diameter high tensile 460N/mm2	72	pc's		
	Reinforcement - 8mm diameter high tensile 460N/mm2	66	pc's		
	Marine board - Size 4ft x 8ft x 18mm thick	12	pc's		
	Timber 2" X 2" (3.5m long)	35	pc's		
	Nails 4"/3' (50Kg per Bag)	1	Bags		
	Supporting props	20	pc's		
	<b>SUB-TOTAL FOR SUBSTRUCTURE</b>				
<b>B.</b>	<b><u>SUPERSTRUCTURE</u></b>				
	<b><u>Walls, Ring beam &amp; Columns (7.3m<sup>3</sup>)</u></b>				
	6" Block - Cement & Sand	3,699	No		
	DPC (20m long)	5	Roll		
	Sand	22	m <sup>3</sup>		
	Cement-50kgs	110	Bags		
	Aggregates (1/2")	7	m <sup>3</sup>		
	Reinforcement -12mm diameter high tensile 460N/mm2	80	pc's		
	Reinforcement -8mm diameter high tensile 460N/mm2	62	pc's		
	Marine board - Size 4ft x 8ft x 18mm thick	11	pc's		
	Binding Wire - 25kg	2	Bundle		
	Timber 2" X 2" (3.5m long)	20	pc's		
	Supporting Props (3m high)	15	pc's		

**SCHEDULE OF MATERIALS**

DC HOUSE

GROSS FLOOR AREA =298 SQ.M

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<b><u>Suspended Slab - (150mm thick) (4m3): Grade 20</u></b>				
	Sand - (Lorry 4.5M3 )	2	m <sup>3</sup>		
	Cement-50kgs	26	Bags		
	Aggregates (1/2") - (Lorry 4.5M3 )	4	m <sup>3</sup>		
	Reinforcement - 12mm diameter high tensile	42	pcs		
	Binding Wire - 25kg	0.5	Bundle		
	Marine board - Size 4ft x 8ft x 18mm thick	8	pcs		
	Timber 2" X 4" (3m long)	36	pcs		
	Nails-4"	25	Kgs		
	Nails-3"	15	Kgs		
	Supporting Props (Provisional)	80	pcs		
	<b>SUB-TOTAL FOR SUPER STRUCTURE</b>				
<b>C.</b>	<b><u>ROOF STRUCTURE, COVERING</u></b>				
1	<b><u>Roof Structure - Provisional</u></b>				
	Timber 2 " X 3" Purlins	766	ft		
	Timber 2" X 4" King Post, wall plate and struts	1,715	ft		
	Timber 2" X 6" Tie beam	631	ft		
	Nails -5"	45	Kgs		
	Nails -4"	55	Kgs		
	Nails -3"	65	Kgs		
	16mm diameter mild steel bolt including nuts and washer	104	No		
	<b>NOTE:</b> The above softwood timber structure should be pressure impregnated treated				
2	<b><u>Roof Covering -as per ALAF</u></b>				
	28G IT5 resincoated sheet	289	m <sup>2</sup>		
	Roofing Nails	9	Packet		
	<b>SUB-TOTAL FOR ROOF STRUCTURE AND COVERING</b>				
<b>D.</b>	<b><u>CONCRETE GUTTER</u></b>				
	<b><u>Concrete roof gutter-Grade "20"</u></b>				
	Sand - (Lorry 4.5M3 )	9	m <sup>3</sup>		
	Cement-50kgs	104	Bags		
	Aggregates (1/2") - (Lorry 4.5M3 )	14	m <sup>3</sup>		
	Reinforcement - 12mm diameter high tensile 460N/mm2	79	pcs		
	Reinforcement - 10mm diameter high tensile 460N/mm2	131	pcs		
	Reinforcement - 8mm diameter high tensile 460N/mm2	65	pcs		
	Binding Wire - 25kg	3	Bundle		
	Marine board - Size 4ft x 8ft x 18mm thick	21	pcs		
	Nails 4"/3' (50Kg per Bag)	3	Bags		
	Water proof material to roof gutter <b>Master seal 501 (25kg)</b> or other equal and approved	11	Buckets		
	PVC Pipe 8" Class C with all necessary fittings	5	pcs		
	<b>SUB-TOTAL FOR CONCRETE GUTTER</b>				

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**DC HOUSE**
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ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>E.</b>	<b><u>CEILING</u></b>				
	Gypsum board -9mm thick	88	pc's		
	Plain Cornice (8ft)	115	pc's		
	Screw 1.25" 500pcs/box	11	Box		
	Gypsum powder - Ref. ANDIKA	28	Bags		
	Fibre tape (90m)	3	Roller		
	Treated softwood Timber 2" X 2"	2,880	ft		
	Nails 4"/3' (50Kg per Bag)	4	Bags		
	<b>SUB-TOTAL FOR CEILING</b>				
<b>F.</b>	<b><u>DOOR</u></b>				
<b>1</b>	<b><u>40mm thick hardwood (Mninga) paneled door shutter</u></b>				
	1200 x 2200 mm high double door	1	pc's		
	900 x 2200 mm high	8	pc's		
	800 x 2200 mm high	6	pc's		
<b>2</b>	<b><u>Frames (hardwood).Varnish &amp; Glass</u></b>				
	1200 x 2800mm high	1	pc's		
	900 x 2800mm high	8	pc's		
	800 x 2800mm high	6	pc's		
	5mm thick clear glass to Vents	8	m <sup>2</sup>		
	13 X15 mm glass beads	42	m		
	Brush 3"	7	pc's		
	Sand paper (msasa) No.80 (20m)	1	Roller		
	Clear Varnish - 4Litres	2	TIN		
	Thinner for Varnish	5	Litres		
<b>3</b>	<b><u>IronMongerries - ref Union</u></b>				
	Mortice lock Three lever	9	No		
	Mortice lock Two lever	6	No		
	Brass hinges - 100mm	24	Pairs		
	<b><u>Grill to Door</u></b>				
<b>4</b>	<b><u>25 x 4mm thick flat bar grill painted red-oxide with 25 x 25mm square pipes frame and all necessary accessories</u></b>				
	1200 x 2800 mm high	1	No		
	900 x 2800 mm high	1	No		
	<b>SUB-TOTAL FOR DOORS</b>				

**SCHEDULE OF MATERIALS**

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GROSS FLOOR AREA =298 SQ.M

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>G.</b>	<b><u>WINDOWS</u></b>				
1	<b><u>Aluminium sliding Window comprising 100mm x 1.2mm thick standard aluminium profile ex-china/Turkey infill with 5mm thick glass complete with mosquito proofing panel, including all accessories, ironmongeries, cutting and pinning lugs</u></b>				
	2000 X 2300mm high	1	pc's		
	1800 X 1800mm high	7	pc's		
	1800 X 2300mm high	3	pc's		
	1500 X 1000mm high	1	pc's		
	1200X 1000mm high	4	pc's		
2	<b><u>25 x 4mm thick flat bar grill painted red-oxide with 25 x 25mm square pipes frame and all necessary accessories</u></b>				
	2000 X 2300mm high	1	pc's		
	1800 X 1800mm high	7	pc's		
	1800 X 2300mm high	3	pc's		
	1500 X 1000mm high	1	pc's		
	1200X 1000mm high	4	pc's		
	<b>SUB-TOTAL FOR WINDOWS</b>				
<b>H.</b>	<b><u>FINISHING</u></b>				
1	<b><u>Floor finishing - (ratio 1:4)</u></b>				
	Sand	14	m3		
	Cement-50kgs (42.5)	59	Bags		
	500 X 500 X 8mm thick - Non-slippery porcelain floor tiles - (1.75sqm/Box)	149	Box		
	Skirting (600 mm long; 25No/Box)	11	Box		
	Grout (1kg/packet)	8	Packet		
	Spacer	5	Packet		
2	<b><u>Wall Finishing -15mm thick (1:4)</u></b>				
	Sand	16	m <sup>3</sup>		
	Cement-50kgs (42.5)	112	Bags		
	White cement - 40kg	10	Bags		
	Gypsum powder -ref. ANDIKA	32	Bags		
	250 X 400 Wall tiles (1.5Sqm/Box) - Full height	126	Box		
	Sand paper Msasa No.120	1	Roll		
	Tanga stone as per Engineer approval	35	m2		
	<b>SUB-TOTAL FOR FINISHING</b>				
<b>J.</b>	<b><u>WORKTOPS, CABINETS, AND SHELVES WARDROBES (PROVISIONAL)</u></b>				
1	<b><u>Worktops, Cabinets &amp; Shelves to store</u></b>				
	Granite sheet to work top - 200 x 62 cm	4.1	m2		
	1x8" hardwood timber (Mninga)	31	pc's		
	Brush 3"	2	pc's		
	Sand paper (msasa) No.120	5	m		
	Clear Varnish - 4Litres	1	TIN		



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ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	Thinner for Varnish	4	Litres		
	Nails -3"	15	Kg		
	Nails -2"	20	Kg		
	Sand - (Lorry 4.5M3 )	1	m <sup>3</sup>		
	Cement-50kgs	9	Bags		
	Aggregates (1/2") - (Lorry 4.5M3 )	1	m <sup>3</sup>		
	Mesh 50 x 50 - 4ft x 8ft	2	Pcs		
	Door Locks	15	Pcs		
	Hinges 3"	30	Pcs		
	Door Handle	15	Pcs		
2	<b><u>Wardrobes to Rooms</u></b>				
	1x8" hardwood timber (Mninga)	81	pc's		
	Brush 3"	10	pc's		
	Sand paper (msasa) No.120	20	m		
	Clear Varnish - 4Litres	5	TIN		
	Thinner for Varnish	10	Litres		
	Nails -3"	15	Kg		
	Nails -2"	20	Kg		
	Looking Mirror - 600 X 2100mm high	4	PCS		
	Door Locks	9	PCS		
	Komeo 3"	9	PCS		
	Hinges 3"	45	PCS		
	Door Handle	10	PCS		
	<b>SUB-TOTAL FOR WORKTOPS,CABINETS, SHELVES AND WARDROBES</b>				
K.	<b><u>PAINTING &amp; DECORATION</u></b>				
	Emulsion Paint - 20 LTRS	29	buckets		
	Weather guard Paint - 20 LTRS	7	buckets		
	Washable paint -20 LTRS	11	buckets		
	Primer paint -20 LTRS	5	buckets		
	Solvent - 5LTRS	6	TIN		
	Brush 3"	8	Pcs		
	Roller	4	Pcs		
	Gloss paint-4LTR	2	TIN		
	Bitumen paint - 4Litres	3	TIN		
	Red-Oxide - 4Litres	2	TIN		
	<b>SUB-TOTAL FOR PAINTING&amp;DECORATION</b>				

**SCHEDULE OF MATERIALS**

DC HOUSE

GROSS FLOOR AREA =298 SQ.M

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
L.	<b><u>SEPTIC TANK,SOAKWAY AND MANHOLES (PROVISIONAL)</u></b>				
1	<b><u>SEPTIC TANK (2.2m x 1.5m x 2.5m deep)</u></b>				
	6" Block - Cement & Sand	266	pc's		
	Sand - (Lorry 4.5M3 )	1.04	m <sup>3</sup>		
	Cement-50kgs (42.5)	4	Bags		
	Aggregates (1/2") - (Lorry 4.5M3 )	0.42	m <sup>3</sup>		
	Reinforcement - 10mm diameter high tensile	6	pc's		
	Binding Wire -1kg	5	Kgs		
	Timber 2" X 2" (3m long)	5	pc's		
	Nails-4"	10	Kgs		
	Nails-3"	8	Kgs		
	Supporting Props	2	pc's		
	450 X450mm Cast iron cover	1	pc's		
	100mm diameter PVC vent pipe complete -CLASS B"	1	pc's		
2	<b><u>SOAK AWAY PIT (4.1m Diameter x 4.8m deep)</u></b>				
	6" Block - Cement & Sand	868	No		
	25 -50mm broken stones (4.5m3 per trip)	1	Trip		
	Sand - (Lorry 4.5M3 )	4	m <sup>3</sup>		
	Cement-50kgs (42.5)	15	Bags		
	Aggregates (1/2") - (Lorry 4.5M3 )	1	m <sup>3</sup>		
	Reinforcement - 10mm diameter high tensile	16	pc's		
	Binding Wire - 1kg	5	Bundle		
	Nails-4"	15	Kgs		
	Nails-3"	11	Kgs		
	Plywood - Size 4ft x 8ft	1	pc's		
	Timber 2" X 2" (3m long)	5	pc's		
	450 X450mm Cast iron cover	1	pc's		
3	<b><u>Manholes (7No) - 600 x 600</u></b>				
	6" Block - Cement & Sand	60	pc's		
	Sand - (Lorry 4.5M3 )	0.2	m <sup>3</sup>		
	Cement-50kgs	2	Bags		
	500 X500mm Cast iron cover	3	pc's		
4	<b><u>Gully trap (9No) - 150 x 150</u></b>				
	6" Block - Cement & Sand	6	pc's		
	Sand - (Lorry 4.5M3 )	0.2	m <sup>3</sup>		
	Cement-50kgs	1	Bags		
	<b>TOTAL MATERIALS FOR SEPTIC,SOAKWAY AND MANHOLES</b>				

**SCHEDULE OF MATERIALS**

DC HOUSE

GROSS FLOOR AREA =298 SQ.M

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>M.</b>	<b><u>TANK TOWER (PROVISIONAL)</u></b>				
<b>1</b>	<b><u>Foundation footing - Insitu plain concrete grade 15</u></b>				
	Cement 50kg (42.5)	8	bags		
	Sand (lorry 4.5m <sup>3</sup> )	1	m3		
	Aggregate (3/4") - (Lorry 4.5M3 )	2	m3		
<b>2</b>	<b><u>Foundation Walls (4m<sup>2</sup>)</u></b>				
	6" Block - Cement & Sand	56	No		
	Sand - (Lorry 4.5M3 )	0.2	m3		
	Cement-50kgs (42.5)	1	Bags		
<b>3</b>	<b><u>Moram, Hardcore &amp; Site sterilization</u></b>				
	Moram (4.5m <sup>3</sup> lorry)	1	Trips		
	Hardcore (4.5m <sup>3</sup> lorry)	1	Trips		
	Sand - (Lorry 4.5M3 )	1	m3		
<b>4</b>	<b><u>Block Walls</u></b>				
	6" Block - Cement & Sand	154	No		
	Sand - (Lorry 4.5M3 )	0.5	m <sup>3</sup>		
	Cement-50kgs	4	Bags		
<b>5</b>	<b><u>Suspended slab and Beam-Grade 20</u></b>				
	Cement-50kgs (42.5)	6	bags		
	Sand (lorry 4.5m <sup>3</sup> )	0.44	m3		
	Aggregate (3/4") - (Lorry 4.5M3 )	1	m3		
	16mm diameter	2	pcs		
	8mm diameter	1	pcs		
	12mm diameter	5	pcs		
	Binding wire-1kg	3	pcs		
	1" x 8" (3.6m)	10	pcs		
	Supporting props	11	pcs		
<b>6</b>	<b><u>Finishings;</u></b>				
	15mm thick plaster to block work				
	cement 50kg	4	bag		
	sand (lorry 4.5m <sup>3</sup> )	1	m <sup>3</sup>		
	<b><u>Elevated Storage Tanks</u></b>				
<b>7</b>	10000 Litres capacity Simtanks	1	No		
<b>8</b>	5000 Litres capacity Simtanks	1	No		
	<b>TOTAL MATERIALS COST</b>				

**SCHEDULE OF MATERIALS**
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ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>N.</b>	<b><u>SANITARY &amp; PLUMBING INSTALLATION-PROVISIONAL</u></b>				
<b>1</b>	<b><u>SANITARY FITTINGS</u></b>				
	White Vitreous China Floor Standing Back to Wall Rimless Water Closet Complet with necessary fittings as manufactured by <b>RAK</b> or equivalent approved	5	Pcs		
	Overhead Shower with Single Lever Faucet Mixer as manufactured by <b>RAK</b> or approved equivalent	4	Pcs		
	CERA or other equal and approved Bib Cock with Jet Spray or its equivalent approved	5	Pcs		
	1000mm x 600mm Mirror Complet with necessary fittings	5	Pcs		
	White Vitreous China Wall Hung Wash Hand Basin with Half Pedestal and quarter turn faucet as manufactured by <b>RAK</b> or its equivalent	5	Pcs		
	Stainless Steel Kitchen Sink Single bowl / Single drainer with dimensions 460mm x 800mm complete with basket strainer and all other accessories	1	Pcs		
	White Vitreous China Ceramic Shower Tray with Dimensions 800mm x 700mm	4	Pcs		
	Toilet Paper Holder as manufactured by <b>RAK</b> or other approved	5	Pcs		
	Tower rail as manufactured by <b>RAK</b> or other approved	4	Pcs		
	Soap dispenser as manufactured by <b>RAK</b> or other approved	4	Pcs		
	Bathtub Complete with its fittings	1	Pcs		
	<b><u>Portable Fire Extinguisher</u></b>				
	CO2, 9ltrs bottle as manufactured by NAFFCO or equal approved.	3	Nos		
	<b><u>Water Heater</u></b>				
	Electrical Water heater with capacity of 15 Litres as per <b>ARISTON</b> or other equal and approved	5	No		
	<b><u>Water Pump</u></b>				
	1 Horse power	1	No		

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ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
2	<b><u>PIPES AND FIITINGS</u></b>				
	IPS Pipe 1/2"	9	Pc		
	IPS Elbow 1/2"	70	Pc		
	IPS Nipple 1/2"	50	Pc		
	IPS Tee 1/2"	50	Pc		
	IPS Reducing Socket 3/4 x 1/2"	11	Pc		
	Adaptor 3/4"	12	Pc		
	Thread Seal Tape	7	Packet		
	Gate Valve 1/2" as per pex or other equal and approved	9	Pc		
	P.V.C Pipe 4"CLASS B	20	M		
	P.V.C Elbow 4"	6	Pc		
	P.V.C Tee 1 1/2"	3	Pc		
	Nipple Socket 1/2"	51	Pc		
	P.V.C Pipe 1 1/2"	2	Pc		
	P.V.C Elbow 1 1/2"	5	Pc		
	P.V.C Plug 1 1/4"	3	Pc		
	P.V.C Pipe 1 1/4"	5	Pc		
	P.V.C Elbow 1 1/4"	19	Pc		
	P.V.C Tee 1 1/4"	11	Pc		
	P.V.C Plug 1 1/4"	9	Pc		
	P Trap 4"	9	Pc		
	Tee Connector 3/4"	10	Pc		
	Poly Pipe -3/4" - provisional	70	Lm		
	<b>TOTAL MATERIALS FOR SANITARY AND PLUMBING INSTALLATION</b>				

**SCHEDULE OF MATERIALS**
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ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>O.</b>	<b><u>ELECTRICAL INSTALLATION</u></b>				
	Ceiling light complete with energy saver 18w	17	No		
	Double switch socket ABB or other equal approved	13	No		
	Main switch 4way,3PH with integral RCD 100A/300mmA ABB other equal approved	1	No		
	<b>NB:</b> Cables for 1.5sqmm 2.5sqmm and 4sqmm should be EURO or other equal approved				
	Single core wire 1.5sqmm - Red	3	Roll		
	Single core wire 1.5sqmm - Black	3	Roll		
	Single core wire 1.5sqmm -green	3	Roll		
	Single core wire 2.5sqmm - red	2	Roll		
	Single core wire 2.5sqmm	2	Roll		
	Single core wire 2.5sqmm green	2	Roll		
	Single core wire 4sqmm -Red	15	M		
	Single core wire 4sqmm -Black	15	M		
	Single core wire 4sqmm -Green	15	M		
	4 core 16sqmm unarmoured cable	30	M		
	Ceiling fan National or other equal approved	7	PC's		
	3gang 1 way switch ABB or other equal approved	0	No		
	1gang 1 way switch ABB or other equal approved	6	No		
	2gang 1 way switch ABB or other equal approved	0	No		
	2gang 2 way switch ABB or other equal approved	11	No		
	DP switch 20A ABB or other equal approved	5	No		
	Cooker control unit 45A ABB or other equal approved	1	No		
	Earth rod approved copper 16mm not less than 1200mm	2	No		
	Earth wire 4sqmm	15	M		
	Metal box twin	10	No		
	Metal box single	23	No		
	Junction box	20	No		
	Conduit pipe	110	PC's		
	Elbow	30	PC's		
	Conduit coupling	20	PC's		
	Round cover	25	PC's		
	Round box	11	PC's		
	Fine screw	2	PACKET		
	Data socket	1	No		
	Smoke detector	6	No		
	plastic clips 22mm	3	BOX		
	Bulk head light fitting	11	PCS		
	Handdrier	4	No		
	<b><u>AIR CONDITIONING</u></b>				
	18000BTU,LG A.C or other equal approved with all	3	No		
	<b>TOTAL MATERIALS FOR ELECTRICAL INSTALLATION</b>				

**SCHEDULE OF MATERIALS**
**DC HOUSE**

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ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<b><u>GENERAL SUMMARY</u></b>				<b>AMOUNT</b>
					<b>TZS</b>
	<b><u>DC HOUSE</u></b>				
A.	SUB-STRUCTURE -PROVISIONAL				
B.	SUPERSTRUCTURE				
C.	ROOF STRUCTURE, COVERING				
D.	CONCRETE GUTTER				
E.	CEILING				
F.	DOOR				
G.	WINDOWS				
H.	FINISHING				
J.	WORKTOPS, CABINETS, AND SHELVES WARDROBES (PROVISIONAL)				
K.	PAINTING & DECORATION				
L.	SEPTIC TANK,SOAKWAY AND MANHOLES				
M.	TANK TOWER				
N.	SANITARY & PLUMBING INSTALLATION-PROVISIONAL				
O.	ELECTRICAL INSTALLATION				
	<b>MATERIALS COST</b>				

# **SERVANT QUARTER**



**SCHEDULE OF MATERIALS**
**SERVANT QUARTER TO DC HOUSE**

GROSS FLOOR AREA =80 SQ.M

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<b><u>MATERIALS</u></b>				
<b>A</b>	<b><u>SUB-STRUCTURE -PROVISIONAL</u></b>				
1	<b><u>Strip Foundation - Grade 15 Plain (10m<sup>3</sup>)</u></b>				
	Aggregate (3/4")	9	m <sup>3</sup>		
	Sand	7	m <sup>3</sup>		
	Cement-50kgs (42.5)	35	Bags		
2	<b><u>Foundation Walls (103m<sup>2</sup>)</u></b>				
	6" Block - Cement & Sand	1,442	No		
	Sand	5	m <sup>3</sup>		
	Cement -50kgs (42.5)	24	Bags		
3	<b><u>Moram, Hardcore &amp; Site sterilization</u></b>				
	Moram (4.5m <sup>3</sup> lorry)	6	Trips		
	Hardcore 150mm thick - (4.5m <sup>3</sup> lorry)	3	Trips		
	Sand	5	m <sup>3</sup>		
	Aldrin solution or other and equal approved (1000mls)	2	Bottle		
4	<b><u>Oversite Concrete (8m<sup>3</sup>) 100mm thick - 15 grade ,Ground Beam (4.3m<sup>3</sup>) - 20 grade</u></b>				
	DPM	64	m <sup>2</sup>		
	Cement -50kgs (42.5)	56	Bags		
	Aggregates (1/2")	13	m <sup>3</sup>		
	Sand	7	M <sup>3</sup>		
	Reinforcement - 12mm diameter high tensile 460N/mm2	26	pc's		
	Reinforcement - 8mm diameter high tensile 460N/mm2	24	pc's		
	Marine board - Size 4ft x 8ft x 18mm thick	6	pc's		
	Timber 2" X 2" (3.5m long)	15	pc's		
	Nails 4"/3' (50Kg per Bag)	1	Bags		
	Supporting props	11	pc's		
	<b>SUB-TOTAL SUBSTRUCTURE</b>				
<b>B.</b>	<b><u>SUPERSTRUCTURE</u></b>				
	<b><u>Walls &amp; Ring beam</u></b>				
	6" Block - Cement & Sand	1,359	No		
	DPC (20m long)	3	Roll		
	Sand	9	m <sup>3</sup>		
	Cement-50kgs	40	Bags		
	Aggregates (1/2")	3	m <sup>3</sup>		
	Reinforcement -12mm diameter high tensile 460N/mm2	22	pc's		
	Reinforcement -8mm diameter high tensile 460N/mm2	21	pc's		
	Marine board - Size 4ft x 8ft x 18mm thick	12	pc's		
	Binding Wire - 25kg	2	Bundle		
	Timber 2" X 2" (3.5m long)	10	pc's		
	Supporting Props (3m high)	13	pc's		
	<b>SUB-TOTAL SUPER STRUCTURE</b>				
<b>C.</b>	<b><u>ROOF STRUCTURE, COVERING &amp; GUTTER</u></b>				
1	<b><u>Roof Structure - Provisional</u></b>				
	Timber 2 " X 3" Purlins	270	ft		
	Timber 2" X 4" King Post, wall plate and struts	312	ft		
	Timber 2" X 6" Tie beam	218	ft		
	Nails -5"	35	Kgs		

**SCHEDULE OF MATERIALS**
**SERVANT QUARTER TO DC HOUSE**

GROSS FLOOR AREA =80 SQ.M

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	Nails -4"	25	Kgs		
	Nails -3"	40	Kgs		
	16mm diameter mild steel bolt including nuts and washer	36	No		
	<b>NOTE:</b> The above softwood timber structure should be pressure impregnated treated				
2	<b><u>Roof Covering -as per ALAF</u></b>				
	28G IT5 resincoated sheet	75	m <sup>2</sup>		
	Roofing Nails	3	Packet		
	<b>SUB-TOTALGUTTER</b>				
D.	<b><u>CONCRETE GUTTER</u></b>				
	<b><u>Concrete roof gutter-Grade "20"</u></b>				
	Sand - (Lorry 4.5M3 )	5	m <sup>3</sup>		
	Cement-50kgs	52	Bags		
	Aggregates (1/2") - (Lorry 4.5M3 )	6	m <sup>3</sup>		
	Reinforcement - 12mm diameter high tensile 460N/mm2	23	pcs		
	Reinforcement - 10mm diameter high tensile 460N/mm2	40	pcs		
	Reinforcement - 8mm diameter high tensile 460N/mm2	18	pcs		
	Binding Wire - 25kg	2	Bundle		
	Marine board - Size 4ft x 8ft x 18mm thick	12	pcs		
	Nails 4"/3' (50Kg per Bag)	4	Bags		
	Water proof material to roof gutter <b>Master seal 501 (25kg)</b> or other equal and approved	5	Buckets		
	PVC Pipe 8" Class C with all necessary fittings	2	pcs		
	<b>SUB-TOTAL TO GUTTER</b>				
E.	<b><u>CEILING</u></b>				
	Gypsum board -9mm thick	22	pc's		
	Plain Cornice (8ft)	36	pc's		
	Screw 1.25" 500pcs/box	2	Box		
	Gypsum powder - Ref. ANDIKA	6	Bags		
	Fibre tape (90m)	1	Roller		
	Treated softwood Timber 2" X 2"	714	ft		
	Nails 4"/3' (50Kg per Bag)	0.5	Bags		
	<b>SUB-TOTAL FOR CEILING</b>				
F.	<b><u>DOOR</u></b>				
1	<b><u>40mm thick hardwood (Mninga) paneled door shutter</u></b>				
	900 x 2200 mm high	2	pc's		
	800 x 2200 mm high	3	pc's		
2	<b><u>Frames (hardwood),Varnish &amp; Glass</u></b>				
	900 x 2200 mm high	2	pc's		
	800 x 2200 mm high	3	pc's		
	5mm thick clear glass to Vents	3	m <sup>2</sup>		
	13 X15 mm glass beads	15	m		
	Brush 3"	2	pc's		
	Sand paper (msasa) No.80 (20m)	1	Roller		
	Clear Varnish - 4Litres	1	TIN		
	Thinner for Varnish	3	Litres		
3	<b><u>IronMongerries - ref Union</u></b>				
	Mortice lock Three lever	2	No		
	Mortice lock Two lever	3	No		

**SCHEDULE OF MATERIALS**
**SERVANT QUARTER TO DC HOUSE**

GROSS FLOOR AREA =80 SQ.M

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	Brass hinges - 100mm	7.5	Pairs		
	<b><u>Grill to Door</u></b>				
4	<b><u>25 x 4mm thick flat bar grill painted red-oxide with 25 x 25mm square pipes frame and all necessary accessories</u></b>				
	900 x 2800 mm high	2	No		
	<b>SUB-TOTAL FOR DOORS</b>				
G.	<b><u>WINDOWS</u></b>				
1	<b><u>Aluminium sliding Window comprising 100mm x 1.2mm thick standard aluminium profile ex-china/Turkey infill with 5mm thick glass complete with mosquito proofing panel, including all accessories, ironmongeries, cutting and pinning lugs</u></b>				
	1800 X 1800mm high	2	pc's		
	1000 X 1000mm high	3	pc's		
2	<b><u>25 x 4mm thick flat bar grill painted red-oxide with 25 x 25mm square pipes frame and all necessary accessories</u></b>				
	1800 X 1800mm high	2	pc's		
	1000 X 1000mm high	3	pc's		
	<b>SUB-TOTAL FOR WINDOWS</b>				
H.	<b><u>FINISHING</u></b>				
1	<b><u>Floor finishing - (ratio 1:4)</u></b>				
	Sand	2	m3		
	Cement-50kgs (42.5)	9	Bags		
	500 X 500 X 8mm thick - Non-slippery porcelain floor tiles - (1.75sqm/Box)	23	Box		
	Skirting (600 mm long; 25No/Box)	2	Box		
	Grout (1kg/packet)	1	Packet		
	Spacer	1	Packet		
2	<b><u>Wall Finishing -15mm thick (1:4)</u></b>				
	Sand	5	m <sup>3</sup>		
	Cement-50kgs (42.5)	29	Bags		
	White cement - 40kg	3	Bags		
	Gypsum powder -ref. ANDIKA	7	Bags		
	250 X 400 Wall tiles (1.5Sqm/Box) - Full height	33	Box		
	Sand paper Msasa No.120	0.5	Roll		
	<b>SUB-TOTAL FOR FINISHING</b>				
J.	<b><u>WORKTOPS AND CABINETS (PROVISIONAL)</u></b>				
	Granite sheet to work top - 200 x 62 cm	3	m2		
	1x8" hardwood timber (Mninga)	9	pc's		
	Brush 3"	2	pc's		
	Sand paper (msasa) No.120	5	m		
	Clear Varnish - 4Litres	1	TIN		
	Thinner for Varnish	4	Litres		
	Nails -3"	10	Kg		
	Nails -2"	11	Kg		
	Sand - (Lorry 4.5M3 )	1	m <sup>3</sup>		
	Cement-50kgs	3	Bags		
	Aggregates (1/2") - (Lorry 4.5M3 )	1	m <sup>3</sup>		
	Mesh 50 x 50 - 4ft x 8ft	1	Pcs		
	Door Locks	9	Pcs		
	Hinges 3"	18	Pcs		
	Door Handle	9	Pcs		
	<b>SUB-TOTAL FOR WORKTOPS AND CABINETS</b>				

**SCHEDULE OF MATERIALS****SERVANT QUARTER TO DC HOUSE**

GROSS FLOOR AREA =80 SQ.M

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>K.</b>	<b><u>PAINTING &amp; DECORATION</u></b>				
	Emulsion Paint - 20 LTRS	4	buckets		
	Weather guard Paint - 20 LTRS	1	buckets		
	Washable paint -20 LTRS	2	buckets		
	Primer paint -20 LTRS	1	buckets		
	Solvent - 5LTRS	1	TIN		
	Brush 3"	2	Pcs		
	Roller	1	Pcs		
	Gloss paint-4LTR	1	TIN		
	Bitumen paint - 4Litres	1	TIN		
	Red-Oxide - 4Litres	1	TIN		
	<b>SUB-TOTAL FOR PAINTING&amp;DECORATION</b>				

**SCHEDULE OF MATERIALS**
**SERVANT QUARTER TO DC HOUSE**

GROSS FLOOR AREA =80 SQ.M

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>L.</b>	<b><u>PLUMBING &amp; SANITARY INSTALLATION-PROVISIONAL</u></b>				
<b>1</b>	<b><u>SANITARY FITTINGS</u></b>				
	White Vitreous China Floor Standing Back to Wall Rimless Water Closet Complet with necessary fittings as manufactured by <b>RAK</b> or equivalent approved	2	Pcs		
	1000mm x 600mm Mirror Complet with necessary fittings	2	Pcs		
	White Vitreous China Wall Hung Wash Hand Basin with Half Pedestal and quarter turn faucet as manufactured by <b>RAK</b> or its equivalent	2	Pcs		
	Stainless Steel Kitchen Sink Single bowl / Single drainer with dimensions 460mm x 800mm complete with basket strainer and all other accessories	1	Pcs		
	Soap dispenser as manufactured by <b>RAK</b> or other approved	2	Pcs		
	Toilet Paper Holder as manufactured by <b>RAK</b> or other approved	2	Pcs		
	<b><u>Portable Fire Extinguisher</u></b>				
	CO2, 9ltrs bottle as manufactured by NAFFCO or equal approved.	2	Nos		
<b>2</b>	<b><u>PIPES AND FIITINGS</u></b>				
	IPS Pipe 1/2"	3	Pc		
	IPS Elbow 1/2"	21	Pc		
	IPS Nipple 1/2"	25	Pc		
	IPS Tee 1/2"	16	Pc		
	IPS Reducing Socket 3/4 x 1/2"	3	Pc		
	Adoptor 3/4"	3	Pc		
	Thread Seal Tape	2	Packet		
	Gate Valve 1/2" as per pex or other equal and approved	2	Pc		
	P.V.C Pipe 4"CLASS C	8	M		
	P.V.C Elbow 4"	4	Pc		
	P.V.C Tee 1 1/2"	1	Pc		
	Nipple Socket 1/2"	15	Pc		
	P.V.C Pipe 1 1/2"	1	Pc		
	P.V.C Elbow 1 1/2"	3	Pc		
	P.V.C Plug 1 1/4"	1	Pc		
	P.V.C Pipe 1 1/4"	3	Pc		
	P.V.C Elbow 1 1/4"	9	Pc		
	P.V.C Tee 1 1/4"	8	Pc		
	P.V.C Plug 1 1/4"	8	Pc		
	P Trap 4"	8	Pc		
	Tee Connector 3/4"	7	Pc		
	Poly Pipe -3/4" - provisional	30	Lm		
	<b>TOTAL MATERIALS FOR SANITARY AND PLUMBING INSTALLATION</b>				

**SCHEDULE OF MATERIALS**
**SERVANT QUARTER TO DC HOUSE**

GROSS FLOOR AREA =80 SQ.M

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>M.</b>	<b><u>ELECTRICAL INSTALLATION</u></b>				
	Ceiling light complete with energy saver 18w	8	No		
	Double switch socket ABB or other equal approved	1	No		
	Main switch 12way,1PH with integral RCD 100A/300mA ABB other equal approved	1	No		
	<b>NB:</b> Cables for 1.5sqmm 2.5sqmm and 4sqmm should be EURO or other equal approved				
	Single core wire 1.5sqmm - Red	0.5	Roll		
	Single core wire 1.5sqmm - Black	0.5	Roll		
	Single core wire 1.5sqmm -green	0.5	Roll		
	Single core wire 2.5sqmm - red	0.5	Roll		
	Single core wire 2.5sqmm	0.5	Roll		
	Single core wire 2.5sqmm green	0.5	Roll		
	Single core wire 4sqmm -Red	5	M		
	Single core wire 4sqmm -Black	5	M		
	Single core wire 4sqmm -Green	5	M		
	16sqmm twin cable	20	M		
	Ceiling fan National or other equal approved	1	PC's		
	1gang 1 way switch ABB or other equal approved	2	No		
	2gang 1 way switch ABB or other equal approved	0	No		
	2gang 2 way switch ABB or other equal approved	2	No		
	Cooker control unit 45A ABB or other equal approved	1	No		
	Earth rod approved copper 16mm not less than 1200mm	1	No		
	Earth wire 4sqmm	15	M		
	Metal box twin	11	No		
	Metal box single	7	No		
	Junction box	8	No		
	Conduit pipe	45	PC's		
	Elbow	12	PC's		
	Conduit coupling	10	PC's		
	Round cover	13	PC's		
	Round box	6	PC's		
	Fine screw	1	PACKET		
	Data socket	1	No		
	Smoke ditector	3	No		
	plastic clips 22mm	1	BOX		
	Bulk head light fitting	6	PCS		
	Handdrier	2	No		
	<b>TOTAL MATERIALS FOR ELECTRICAL INSTALLATION</b>				

**SCHEDULE OF MATERIALS****SERVANT QUARTER TO DC HOUSE**

GROSS FLOOR AREA =80 SQ.M

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<b><u>GENERAL SUMMARY</u></b>				<b>AMOUNT</b>
					<b>TZS</b>
	<b><u>SERVANT QUARTER TO DC HOUSE</u></b>				
A.	SUB-STRUCTURE -PROVISIONAL				
B.	SUPERSTRUCTURE				
C.	ROOF STRUCTURE, COVERING & GUTTER				
D.	CONCRETE GUTTER				
E.	CEILING				
F.	DOOR				
G.	WINDOWS				
H.	FINISHING				
J.	WORKTOPS AND CABINETS (PROVISIONAL)				
K.	PAINTING & DECORATION				
L.	PLUMBING & SANITARY INSTALLATION-PROVISIONAL				
M.	ELECTRICAL INSTALLATION				
	<b>TOTAL MATERIALS COST</b>			<b>TZS</b>	

**FENCE**



SCHEDULE OF MATERIALS

Fence Wall = 357m Length

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<b><u>MATERIALS</u></b>				
1	<b><u>Strip Foundation - Grade 15 Plain</u></b>				
	Aggregate (3/4") - (Lorry 4.5M3 )	58	m3		
	Sand - (Lorry 4.5M3 )	29	m3		
	Cement-50kgs	203	Bags		
2	<b><u>Foundation Walls</u></b>				
	6" Cement & Sand Block	7,196	No		
	Sand - (Lorry 4.5M3 )	23	m3		
	Cement -50kgs	180	Bags		
3	<b><u>Ground Beam - 20 grade</u></b>				
	Cement -50kgs	113	Bags		
	Aggregates (1/2") - (Lorry 4.5M3 )	25	Trips		
	Sand - (Lorry 4.5M3 )	13	Trips		
	Reinforcement - 12mm diameter high tensile	128	PC'S		
	Reinforcement - 8mm diameter	151	PC'S		
	Marine board - Size 4ft x 8ft x 18mm thick	38	PC'S		
	Nails-4"	75	Kgs		
	Nails-3"	55	Kgs		
	Supporting props	65	PC'S		
4	<b><u>Column - 20 grade (Concrete Columns to main entrance only)</u></b>				
	Cement -50kgs	7	Bags		
	Reinforcement - 12mm diameter high tensile	6	PC'S		
	Reinforcement - 8mm diameter	3	PC'S		
	Nails-4"	10	Kgs		
	Nails-3"	14	Kgs		
	Supporting props	24	PC'S		
5	<b><u>Walls, &amp; Coping</u></b>				
	6" Cement & Sand Block	8,903	No		
	Sand - (Lorry 4.5M3 )	48	m3		
	Cement-50kgs	209	Bags		
	Aggregates (1/2") - (Lorry 4.5M3 )	11	m3		
	Mesh 50 x 50 - 4ft x 8ft (Coping)	32	PC'S		
				C/F	

## SCHEDULE OF MATERIALS

Fence Wall = 357m Length

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS B/F	AMOUNT
6	<b>Wall Finishing</b>				
	Sand - (Lorry 4.5M3 )	22	m3		
	Cement-50kgs	150	Bags		
	White cement - 40kg	48	Bags		
	Sand pepar No.120 (msasa)	4	Roll		
7	<b>Painting &amp; Decoration</b>				
	Emulsion Paint - 20 LTRS	35	buckets		
	Weather guard Paint - 20 LTRS	26	buckets		
	Primer paint -20 LTRS	19	buckets		
	Solvent - 5LTRS	8	gallon		
	Roller	10	Pcs		
	Gloss paint-4LTR	1	TIN		
	Bitumen paint - 4Litres	5	TIN		
	Thinner for paint	10	Litres		
8	<b><u>Sliding Gate -4000 x 2400 mm high</u></b>				
	Supply metal gate with all necessary fittings painted Red-Oxide ; size 3000 x 2400mm high	1	No		
	<b>TOTAL MATERIALS COST</b>				

# **GUARD HOUSE**

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<b><u>MATERIALS</u></b>				
<b>A</b>	<b>SUB-STRUCTURE -Provisional</b>				
<b>1</b>	<b><u>Strip Foundation - Grade 15 Plain</u></b>				
	Aggregate (3/4")	1	Trip		
	Sand - (Lorry 4.5M3 )	1	Trip		
	Cement-50kgs	18	Bags		
<b>2</b>	<b><u>Foundation Walls</u></b>				
	6" Cement & Sand Block	406	No		
	Sand - (Lorry 4.5M3 )	1	Trip		
	Cement -50kgs	7	Bags		
<b>3</b>	<b><u>Moram, Hardcore &amp; Site sterilization</u></b>				
	Moram (4.5m <sup>3</sup> lorry)	3	Trip		
	Hardcore (4.5m <sup>3</sup> lorry)	1	Trip		
	Gamalin solution (1000mls) or other equal and approved	1	Bottle		
<b>4</b>	<b><u>Oversite Concrete 100mm thick - 15 grade</u></b>				
	DPM	28	M <sup>2</sup>		
	Cement -50kgs	14	Bags		
	Aggregates (1/2") - (Lorry 4.5M3 )	1	Trip		
	Sand - (Lorry 4.5M3 )	1	Trip		
<b>5</b>	<b><u>Ground Beam and column base - 25 grade</u></b>				
	Cement -50kgs	16	Bags		
	Reinforcement - 12mm diameter high tensile	15	PC'S		
	Reinforcement - 8mm diameter	13	PC'S		
	Nails-4"	8	Kgs		
	Nails-3"	7	Kgs		
	Supporting props	10	PC'S		
	<b>SUB-TOTAL SUB-STRUCTURE</b>				
<b>B.</b>	<b><u>SUPER - STRUCTURE</u></b>				
<b>1</b>	<b><u>Walls &amp; Ring beam &amp; Columns</u></b>				
	6" Cement & Sand Block	385	No		
	DPC (20m long)	1	Roll		
	Sand - (Lorry 4.5M3 )	1	Trip		
	Cement-50kgs	18	Bags		
	Aggregates (1/2") - (Lorry 4.5M3 )	1	Trip		
	Reinforcement - 12mm diameter high tensile	16	PC'S		
	Reinforcement - 8mm diameter	13	PC'S		
	Binding Wire - 25kg	1	Bundle		

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	Marine board - Size 4ft x 8ft x 18mm thick	8	PC'S		
	Timber 2" X 2"	13	PC'S		
	Supporting Props	15	PC'S		
	<b>SUB-TOTAL SUPER- STRUCTURE</b>				
<b>C.</b>	<b><u>ROOF STRUCTURE &amp; COVERING</u></b>				
1	<b><u>Roof Structure - Provisional</u></b>				
	Timber 2 " X 3" Purlins	96	ft		
	Timber 2" X 4" Wall plate and struts	108	ft		
	Timber 2" X 6" Rafter and Tie beam	164	ft		
	Nails -5"	15	Kgs		
	Nails -4"	10	Kgs		
	Nails -3"	11	Kgs		
	<b>NOTE:</b> The above softwood timber structure should be pressure impregnated treated				
2	<b><u>Roof Covering -as per ALAF or other equal approved with PO-RALG</u></b>				
	28G IT5 resin coated sheet	48	M <sup>2</sup>		
	Hips/Ridge and valley - 28 G	7	PC'S		
	Roofing Nails	1	Packet		
	<b>SUB-TOTAL ROOF STRUCTURE AND COVERING</b>				
<b>D.</b>	<b><u>CONCRETE GUTTER</u></b>				
	<b><u>Concrete roof gutter (5.3m3)-Grade "20"</u></b>				
	Sand - (Lorry 4.5M3 )	2	m <sup>3</sup>		
	Cement-50kgs	22	Bags		
	Aggregates (1/2") - (Lorry 4.5M3 )	3	m <sup>3</sup>		
	Reinforcement - 12mm diameter high tensile	19	pcs		
	Reinforcement - 10mm diameter high tensile	33	pcs		
	Reinforcement - 8mm diameter high tensile	45	pcs		
	Binding Wire - 25kg	1	Bundle		
	Marine board - Size 4ft x 8ft x 18mm thick	8	pcs		
	Nails 4"/3' (50Kg per Bag)	1	Bags		
	Water proof material to roof gutter <b>Master seal 501 (25kg)</b> or other equal and approved	2	Buckets		
	<b>SUB-TOTAL FOR GUTTER</b>				
<b>E.</b>	<b><u>CEILING</u></b>				
	Gypsum board -9mm thick	10	PC'S		
	Plain Cornice (8ft)	16	PC'S		
	Screw 1.25" 500pcs/box	1	Box		
	Gypsum powder	2	Bags		
	Fiber tape (90m)	1	Roller		

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	Treated soft wood timber 2" X 2" (18ft)	385	ft		
	Nails-4"	15	Kgs		
	Nails-3"	10	Kgs		
	<b>SUB-TOTAL CEILING</b>				
<b>F.</b>	<b><u>DOOR</u></b>				
1	<b><u>45mm thick Pannelled door shutter (hardwood)</u></b>				
	1200 x 2100 mm high	1	PC'S		
	800 x 2100mm high	1	PC'S		
2	<b><u>Frame (hardwood),Varnish &amp; Glass</u></b>				
	1200 x 2600 mm high	1	PC'S		
	800 x 2600mm high	1	PC'S		
	5mm thick clear glass to Vents	1	SQ.M		
	Brush 3"	1	Pcs		
	Sand paper (msasa) No.80	1	LM		
	Clear Varnish - 4Litres	1	TIN		
	TINA for Varnish -4Litres	1	Litres		
3	<b><u>Ironmongeries - Union</u></b>				
	Mortice lock - Three lever	1	No		
	Indicator Mortice lock - Two lever	1	No		
	Brass hinges - 100mm	9	No		
	Wood Screw	1	Box		
	<b>SUB-TOTAL DOORS</b>				
<b>G.</b>	<b><u>WINDOWS</u></b>				
1	<b><u>Aluminium sliding Window comprising 100mm x 1.5mm thick standard aluminium profile ex-china/Turkey infill with 6mm thick glass complete with mosquito proofing panel, including all accessories, ironmongries, cutting and pinning lugs</u></b>				
	2100 X 1800mm high	4	PC'S		
	900 X 1000mm high	1	PC'S		
	<b>SUB-TOTAL WINDOWS</b>				
<b>H.</b>	<b><u>FINISHING</u></b>				
1	<b><u>Floor finishing - (ratio 1:4)</u></b>				
	Sand - (Lorry 4.5M3 )	0.9	m3		
	Cement-50kgs	7	Bags		
	600 X 600 X 10mm thick matt finish porcelain floor tiles -(1.44sqm/Box)	18	Box		
	300 X 300 X 5mm thick - glazed ceramic floor tiles -(1.53sqm/Box)	3	Box		
	Grout (1kg/packet)	1	Bucket		
	Spacer	1	Packet		
	Skirting (600mm long; 25/Box)	2	Box		

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
2	<b><u>Wall Finishing</u></b>				
	Sand - (Lorry 4.5M3 )	1	Trip		
	Cement-50kgs	10	Bags		
	White cement - 40kg	1	Bags		
	Gypsum powder	2	Bags		
	Sand pepar No.120 (msasa)	1	Roll		
	300 X 600 x 9mm thick glazed ceramic Wall tiles to toilets(2.52SQ.M/BOX)	6	Box		
	Grout (1kg/packet)	1	Packet		
	Spacer	1	Packet		
	<b>SUB-TOTAL FOR FINISHING</b>				
J.	<b><u>PAINTING &amp; DECORATION</u></b>				
	Emulsion Paint - 20 LTRS	1	buckets		
	Weather guard Paint - 20 LTRS	0.5	buckets		
	Washable paint -20 LTRS	0.5	buckets		
	Primer paint -20 LTRS	0.5	buckets		
	Solvent - 5LTRS	1	gallon		
	Brush 3"	1	Pcs		
	Roller	1	Pcs		
	Gloss paint-4LTR	1	TIN		
	Bitumen paint - 4Litres	1	TIN		
	Thinner for paint -4Litres	1	Litres		
	<b>SUB-TOTAL FOR PAINTING&amp;DECORATION</b>				
K.	<b><u>ELECTRICAL INSTALLATION</u></b>				
	Single fluorescent fitting, approved philips or equal	2	No		
	Bulk head light	4	No		
	Double switch socket	2	No		
	Main switch 4way,1PH with integral RCD	1	No		
	<b>NB:</b> Cables for 1.5sqmm and 2.5sqmm should be EURO or other equal approved				
	Single core wire 1.5sqmm - Red	0.5	Roll		
	Single core wire 1.5sqmm - Black	0.5	Roll		
	Single core wire 1.5sqmm -green	0.5	Roll		
	Single core wire 2.5sqmm approved euro or equal	0.5	Roll		
	Single core wire 2.5sqmm approved euro or equal black	0.5	Roll		
	Single core wire 2.5sqmm approved euro or equal green	0.5	Roll		
	Ceiling fan, ref.National or other equal approved	1	PC's		
	Earth rod	1	No		
	<b>SUB-TOTAL FOR ELECTRICAL</b>				

**SCHEDULE OF MATERIALS**

**GATE HOUSE -GFA 38 SQ.M)**

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
<b>L.</b>	<b>PLUMBING &amp; SANITARY INSTALLATION-PROVISIONAL</b>				
1	IPS pipe 1/2	2	PC'S		
2	Elbow 1/2' IPS	2	PC'S		
3	Gate valve 1/2" GS	2	PC'S		
4	Union 1/2" IPS	2	PC'S		
5	Flow trap 1 1/2"	1	PC'S		
6	PVC 1 1/2" pipe	1	PC'S		
7	Elbow 1 1/2" pvc	2	PC'S		
8	Tee 1 1/2" pvc	2	PC'S		
9	Plug 1 1/2" pvc	1	PC'S		
10	Flexible pipe 1/2"	1	PC'S		
11	Nipple -1/2" IPS	2	PC'S		
12	Seal tape	1	PC'S		
13	PVC Elbow 4"	1	PC'S		
14	PVC pipe 4" -CLASS C	1	PC'S		
15	PVC vent	1	PC'S		
16	Tread tap	1	PC'S		
17	WC High level complet with all necessary fittings-ARROW - or other and equal approved -PO RALG	1	PC'S		
18	Toilet aper holder	1	PC'S		
19	PVC clamp -4"	2	PC'S		
20	Hands wash basin complete with 6" Levers operating for elbow control and its accessories ARROW or other and equal approved with PO-	1	PC'S		
21	Mirror	1	PC'S		
	<b>SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION</b>				



	<b><u>GENERAL SUMMARY</u></b>				<b>AMOUNT-TZS</b>
	<b><u>GATE HOUSE</u></b>				
A.	SUB-STRUCTURE -Provisional				
B.	SUPER - STRUCTURE				
C.	ROOF STRUCTURE & COVERING				
D.	CONCRETE GUTTER				
E.	CEILING				
F.	DOOR				
G.	WINDOWS				
H.	FINISHING				
J.	PAINTING & DECORATION				
K.	ELECTRICAL INSTALLATION				
L.	PLUMBING & SANITARY INSTALLATION- PROVISIONAL				
	<b>MATERIALS COST</b>			<b>TZS</b>	

## **EXTERNAL WORKS**

## SCHEDULE OF MATERIALS

## EXTERNAL WORKS

ITEM	DESCRIPTION	QTY	UNIT	PRICE-TZS	AMOUNT
	<b><u>MATERIALS</u></b>				
A.	<b><u>Paved Area</u></b>				
	Heavy duty paving blocks Class 45 size 200 x 110 x 80mm thick	1,144	M <sup>2</sup>		
	Sand	115	M <sup>3</sup>		
B.	<b><u>Kerbs stone Normal; class 25/10; vibrated; part surface fair finish</u></b>				
	150 x 300mm long Kerbstone	1111	No		
	Sand	5	M <sup>3</sup>		
C.	<b><u>Glass (Approximate area 6193m2)</u></b>				
	Canadian Glass	124	Bags		
	Red Soil	64	Trip		
	Manure	15	Trip		
	<b>TOTAL MATERIALS FOR EXTERNAL WORKS</b>				

**FOMU Na. 1****Sehemu A:** Maelezo ya awali ya Jengo

Aina ya Jengo.....

Namba ya Zabuni.....

WILAYA.....

MKOA.....

**Sehemu B:** Taarifa za fundi/Taasisi

Jina kamili la fundi/Taasisi.....

Wilaya:.....

Mkoa:.....

Namba ya Simu:.....

Barua pepe:.....

**ANGALIZO**

Fundi/Taasisi inatakiwa kujaza fomu hii kwa kupitia Michoro pamoja na kupata maelezo ya mradi kutoka kwa Msimamizi

**Sehemu C:** Mnyambulisho wa Kazi

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
<b>1</b>	<b><u>Msingi wa Jengo (Sub-structure)</u></b>	
	Kuseti jengo	
	Uchimbaji wa msingi	
	Kufukia	
	<b><u>Kufunga mbao</u></b>	
	Pembezoni mwa jamvi	
	Pembezoni mwa nguzo	
	Kuondoa mbao	
	<b><u>Kumwaga zege</u></b>	
	Chini kwenye msingi wa tofali	
	Chini kwenye msingi wa nguzo	
	katika nguzo ya awali	
	kwenye jamvi	
	<b><u>Kuta za Msingi</u></b>	
	Ujenzi wa tofali (6")	

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
	<b><u>Mawe</u></b>	
	Upangaji wa mawe na utandazaji wa DPM	
	<b><u>Umwagiliaji</u></b>	
	Umwagiliaji wa maji	
	<b>Jumla ndogo msingi wa jengo</b>	
<b>2</b>	<b><u>Kunyanyua jengo (Super-structure)</u></b>	
	Ujenzi wa tofali za kuta (6") na uwekaji DPC	
	Ujenzi wa "Gutter" la zege na "Slab"	
	<b><u>Kufunga mbao katika:</u></b>	
	Nguzo mlalo	
	Nguzo wima	
	'Gutter' la zege na "Slab"	
	<b><u>Kusuka nondo katika:</u></b>	
	Nguzo mlalo	
	Nguzo wima	
	'Gutter' la zege na "Slab"	
	<b><u>Kumwaga zege katika:</u></b>	
	Nguzo mlalo	
	Nguzo wima	
	'Gutter' la zege na "Slab"	
	<b><u>Umwagiliaji</u></b>	
	Umwagiliaji wa maji	
	<b>Jumla ndogo Kunyanyua jengo (Super Structure)</b>	
<b>3</b>	<b><u>Kuezeka (Roof structure and covering)</u></b>	
	Usukaji wa Mbao na Uwekaji wa bati	
	<b>Jumla ndogo Kuezeka</b>	
<b>4</b>	<b><u>Milango &amp; Madirisha</u></b>	
	Kufitisha fremu za milango	
	Kufitisha shata za milango pamoja na vitasa	
	Upakaji wa Varnishi katika milango na fremu	
	Usimikaji wa dirisha za grill na Aluminium	
	Usimikaji wa Milango ya grill	
	<b>Jumla ndogo Milango na Madirisha</b>	
<b>5</b>	<b><u>Umaliziaji (Finishing)</u></b>	
	Upigaji wa lipu pamoja na kutengeneza koplo:	
	Nje ya jengo	
	Ndani ya jengo	
	<b><u>Sakafu</u></b>	
	Uwekaji wa sakafu ya kupokea vigae (beds)	
	Uwekaji wa vigae pamoja na grauti katika sakafu (floor tiles)	

Na.	AINA YA KAZI	BEI YA UFUNDI - Shs
	<b><u>Dali:</u></b>	
	Ufungaji wa mbao za dali (Branding)	
	Uwekaji wa dali na mikanda ya gypsum	
	Uwekaji wa vigae katika kuta na upakaji grout	
	Uwekaji wa tanga stone katika kuta za nje	
	<b><u>Worktops na Makabati:</u></b>	
	Ujenzi wa "worktops" na Makabati	
	<b>Jumla ndogo umaliziaji(finishing)</b>	
<b>6</b>	<b><u>Rangi na Mapambo (Painting &amp; Decoration)</u></b>	
	Kupaka rangi mikono mitatu pamoja na skimming katika:	
	Kuta za nje	
	Kuta za ndani	
	Dali	
	<b><u>Kupaka rangi mikono mitatu katika:</u></b>	
	Msingi wa nyumba	
	Grill za milango na madirisha	
	<b>Jumla ndogo Rangi na mapambo</b>	
<b>7</b>	<b><u>Mifumo ya maji safi na taka</u></b>	
	Ufungaji bomba awamu ya kwanza (Kuchimbua bomba)	
	Ufungaji bomba awamu ya pili (2nd fix) -fittings	
	Ujenzi wa Mashimo ya maji taka na chemba	
	Ujenzi wa "Tank tower" na Usimikaji wa "Matank"	
	<b>Jumla ndogo Mifumo ya maji safi na taka</b>	
	<b><u>MAJUMUISHO YA GHARAMA ZA UFUNDI</u></b>	
1	Msingi wa Jengo (Sub-structure)	
2	Kunyanyua jengo (Super-structure)	
3	Kuezeka (Roof structure and covering)	
4	Milango & Madirisha	
5	Umaliziaji (Finishing)	
6	Rangi na Mapambo (Painting & Decoration)	
7	Mifumo ya maji safi na taka	
	<b>JUMLA KUU TShs</b>	

## **FOMU Na. 2**

### **Sehemu A:** Maelezo ya awali

Aina ya Kazi: **Usimikaji wa Mifumo ya Umeme na Viyoyozi**

Namba ya Zabuni.....

WILAYA.....

MKOA.....

### **Sehemu B:** Taarifa za fundi/Taasisi

Jina kamili la fundi/Taasisi.....

Wilaya:.....

Mkoa:.....

Namba ya Simu:.....

Barua pepe:.....

### **ANGALIZO**

Fundi/Taasisi inatakiwa kujaza fomu hii kwa kupitia Michoro ya Umeme pamoja na kupata maelezo ya mradi kutoka kwa Msimamizi

### **Sehemu C:** Mnyambulisho wa Kazi

<b>Na.</b>	<b>AINA YA KAZI</b>	<b>BEI YA UFUNDI - Shs</b>
	<b><u>Umeme na Mifumo ya Kiyoyozi</u></b>	
	Uchimbaji wa sehemu za kusimika Conduit na Box	
	Usimikaji wa mifumo ya umeme awamu ya kwanza - Conduit na Box	
	Usukaji wa umeme awamu ya pili (2nd fix)-fittings	
	Ufungaji wa Viyoyozi	
	<b>Jumla Kuu Mifumo ya Umeme na Viyoyozi</b>	