

PROPOSED ERECTION AND COMPLETION OF POLICE STATION AT IMBIAKALO

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUBSTRUCTURE(ALL PROVISIONAL)</u>				
	<u>EXCAVATION AND EARTHWORKS</u>				
	<u>Site preparation</u> clearing site vegetation, grubbing up roots and filling up voids left with selected excavated material				
A	Bushes shrubs undergrowth or the like and cart away from site	1144	SM		
	<u>excavation</u>				
B	excavating vegetable soil for preservation, average 200mm thick	642	SM		
C	load up and store on site, later level and spread as directed on site and cart away surplus excavated material	192	CM		
	<u>Excavating surface to reduce level</u>				
C	excavating trenches: to receive foundations starting from reduce level	252	CM		
D	not exceeding 1.50m deep Breaking out existing material; extra over all kinds of excavations irrespective of depth				
E	Rock irrespective of class	15	CM		
	Carried to collection page 4				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Disposal</u>				
A	Excavated material;backfilling depositing and compacting in layers maximum 150mm thick	168	CM		
B	Surplus excavated material;removing from site	84	CM		
	DISPOSAL OF WATER				
C	Laboure and materials;keeping excavation free from general water	1	ITEM		
	PLANKING AND STRUTTING				
D	Labourer and materials ;to uphold sides of excavation generally	1	ITEM		
	FILLING				
	Hardcore				
E	250mm thick depositing and compacting layers maximum 150mm thick in making up levels	550	SM		
	Murram				
F	Blinding surface of fill 50mm thick	642	SM		
	ANTI-TERMITE AND HERBICIDE TREATMENT				
	<u>Applying "termidor 25 EC" Solution or other equal and approvedsprayed evenly</u>				
G	To surface of fill and tops of foundation walls	642	SM		
	CONCRETE WORK				
	<u>INSITU CONCRETE;REINFORCEMENT</u>				
H	Plain mix 1:4:8 in foundation strip blinding 50mm thick	252	SM		
	carried to collection page 4				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<u>Normal :class 20/20mm):vibrated (1:2:4)</u> foundation strips irrespective of thickness	50	CM		
B	vibrated floor beds 150mm thick	642	SM		
	REINFORCEMENT <u>Bars :high tensile steel;cold worked;</u> <u>BS 4461 including bends,hooks,tying wire,</u> <u>distance blocks and spacers</u>				
C	8mm diameter	900	KG		
D	12 diameter;in any location <u>Bars;round mild steel ;cold worked B.S 4449</u> <u>including bends hooks,tying wire,distance blocks</u> <u>and spacers</u>	1200	KG		
E	10mm diameter bars;in any location <u>Fabric;B.S 4483</u>				
F	Reference A142 mesh 200x200mm weight 2.22kgs per square meter(measured net-no allowance made for laps);including bends,tying wire and distance blocks in any location	642	SM		
	<u>SAWN FORMWORK TO INSITU CONCRETE</u>				
G	Edges of floor bed 75 to 150mm wide	430	LM		
H	Sides of foundation strips and steps;horizontal <u>WALLING:SCB</u>	200	SM		
I	200mm thick SCB Block walling /natural stones strecher bondbedding and jointing in cement mortar(1:4);reinforced with hoop iron gauge 500 in every alternate course	500	SM		
	carried to collection page 4				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	DAMP PROOF MEMBRANES Polythene;500 gauge ,150mm laps,no allowance made for laps				
A	Horizontal 1 no layer (s) over 300mm wide	642	SM		
	PLINTH FINISHES Render,cement and sand (1:4),wood floated				
B	12mm thick 2 no coat work ,to concrete or brickwork base (m/s),generally external	40	SM		
C	Ditto 20 mm paving in steps finished smooth Painting 3 coats black bituminous paint to;	40	SM		
D	Rendered surface external	40	SM		
	PAVING SLAB AROUND THE STRUCTURE				
E	600mm wide cast in situ paving slab laid on murrum blinding in foundation depth 200mm deep	85	SM		
F	ramp to be casted as per the direction of engineer	1	SUM		
	Carried to collection				
	COLLECTION Brought forward from page 1 Brought forward from page 2 Brought forward from page 3 Brought down from above				
	TOTAL SUBSTRUCTURES CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>REINFORCED CONCRETE FRAME</u>				
	<u>CONCRETE WORK</u>				
	INSITU CONCRETE;REINFORCEMENT Normal class 20/20mm)vibrated				
A	Beams and lintels	19	CM		
B	Ditto 100mm slab to armoury/cells	142	SM		
	<u>REINFORCEMENT</u>				
	<u>Mild steel round bars;cold worked B.S 4449</u> <u>including bends,hooks,tying wire,distance blocks</u> <u>and spacers</u>				
C	10mm diameter in any location(Amoury)	1400	KG		
	<u>Bars high yield steel;cold worked B.S 4461</u> <u>including bends,hooks,tying wire distance blocks</u> <u>and spacers</u>				
D	8 mm diameter,in any location	1200	KG		
E	12mm ditto	2000	KG		
	<u>FORMWORK TO INSITU CONCRETE</u>				
F	Sides and soffites of Ring beams,lintels and armoury soffit	400	SM		
G	Soffittes of suspended slab	142	SM		
H	Ditto props	300	LM		
	TOTAL REINFORCED CONCRETE FRAME CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<u>ROOFING</u>					
ROOF COVERING					
A	Gauge 30 pre-painted galvanised corrugated iron sheets nailed to purlins (m/s)	793	SM		
B	Gauge 30 G.I Ridge cap	125	LM		
C	Gauge 30 G.I valley sheets ditto	50	LM		
<u>CARPENTRY</u>					
<u>Sawn cypress grade II</u>					
<u>Well seasoned and treated timber</u>					
D	100X50mm wall plate bedded in cement sand (1:3) mortar bolted to concrete with and including 16mm diameter bolts cast into concrete at 1000mm centers	184	LM		
E	150X50mm tie beams	726	LM		
F	150X50mm rafters	876	LM		
G	100X50mm ties and struts	812	LM		
H	75X50 mm purlins	980	LM		
<u>BOARDING</u>					
<u>Wrought cypress,prime grade,pressure impregnated</u>					
I	200X25mm thick fascia board	184	LM		
carried to collection page 7					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>RAINWATER INSTALLATIONS</u>				
	<u>Gutterwork,28 gauge galvanised mild steel box gutter and fittings;purpose made</u>				
A	75X100mm gutter overlapped joints in the running lengths,fixing with metal brackets at 1000mm center		LM		
B	Extra over gutters for100mm pipe outlet		NO		
C	Ditto stopped end		NO		
	<u>Rainwater pipework,2upvc pressure pipes and fittings,purpose made</u>				
D	100mm diameter pipes connections in the running length,fixing with metal holderbatsat 1000mm centers to backgrounds requiring plugging		LM		
E	Extra over pipework for shoes		NO		
F	Ditto swanneck		NO		
	<u>PAINTING AND DECORATING</u>				
	<u>ONE UNDERCOAT TWO COATS OIL PAINT FULL GLOSS FINISH TO CROWN PAINTS OR EQUAL AND APPROVED</u>				
G	General timber board surfaces				
H	Ditto 200to300mm girth external	184	LM		
I	Ditto but metal surfaces 200-300mm girth external				
	Total carried to collection				
	COLLECTION				
	Brought forward from page 6				
	Brought from above				
	TOTAL ROOFING CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>WALLING</u>				
	<u>WALLING;NATURAL STONE WORK OR APPROVED</u>				
	<u>Approved Local stone;squared,fine chisel dressed one side bedding and jointing and recessed pointing one side in cement sand mortar(1:4) as work proceeds</u>				
A	Walls 150mm thick reinforced with hoop iron gauge 500 in every alternate course external	810	SM		
B	Ditto brick internally	0	SM		
C	Form or leave 250X250mm opening in 200mm walling	110	NO		
D	225mmX225mm precast concrete permanent vent mosquito gauzed laid in cement sand 1:3 mortar	220	NO		
	<u>DAMP PROOF COURSES</u>				
	B.S 743 type A ,Bitumen hessian base 200mm laps no allowance made for laps				
D	150mm wide,bedded in cement mortar(1:3)	452	LM		
	TOTAL WALLING CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>WINDOWS</u>				
	<u>Precast concrete,normal class 20/20mm vibrated</u>				
A	Sills 250 X 75 mm thick,once weathered,once throated , reinforced as necessary forhandling,bedding jointing and pointing in cement mortar(1:4)	80	LM		
	<u>METAL WORK</u>				
	<u>PURPOSE MADE UNITS</u>				
	<u>Casement window in standard metal casement sections</u>				
	<u>permanet ventilators comprising T-bar gauze and metal</u>				
	<u>hood to full width of window one coat primer by</u>				
	<u>manufacturer complete with all necessary ironmongery</u>				
	<u>steel for glazing with putty lugs to two jams</u>				
	<u>cutting and pinning to blockwork ,fixing to head and sill</u>				
B	Overall size 1200 X 1200mm high	27	NO		
C	Ditto 1600X300mm high	14	NO		
D	Ditto 1000X800mm high	2	NO		
E	Ditto 1200X900mm high	1	NO		
F	Ditto 1000X600mm high	4	NO		
G	Ditto 600X750mm high	11	NO		
H	Ditto 1200X600mm high	1	NO		
I	Ditto 600X300mm high	2	NO		
	<u>Windows cont'd</u>				
	Welded metal grill burglar proofing in 20mmx 20mmx1.5mm thick SHS bars with one coat primer including welding to metal in approved pattern	60	SM		
J					
	<u>GLAZING</u>				
K	3mm thick clear sheet glass to metal with putty 1.00 to 1.50 square meters	60	SM		
	<u>PAINTING AND DECORATING</u>				
	<u>ONE UNDERCOAT TWO COATS OIL PAINTFULL</u>				
	<u>GLOSS FINISH TO CROWN PAINTS OR EQUAL</u>				
	<u>AND APPROVED</u>				
L	Metal window surfaces over 300mm girth	60	SM		
M	Ditto grill surfaces	120	SM		
N	Concrete surfaces 200-300 mm girth external	80	LM		
	TOTAL WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>STEEL DOORS</u>				
	<u>Standard steel door complete with all necessary ironmongery, permanent vent with mosquito gauze & sheet hood assembled and fixed to opening including cutting and pinning lugs to concrete or sand mortar (1:4) all primed with red oxide before fixing</u>				
A	1800 x 2400mm steel casement door comprising 50 x 50 x 3mm fixed frame; 14G mild steel plate on both sides bottom half welded and 40 x 25 mm RHS grills at 100 mm centres vertically upper half welded complete with 2-lever mortice lock and 2 No. tower bolts	1	NO		
B	Ditto but size 900X2400mm mm high	33	NO		
	<u>Wooden Flush doors</u>				
C	45mm thick semi-solid flush core door size 900X2400mm	14	NO		
	<u>IRONMONGERY</u>				
	<u>Supply and fix the following</u>				
E	steel butt hinges 100mm	21	PRS		
F	150 brass tower bolts	14	NO		
G	Twolever mortice lock catalogue No. 2237 complete with set lever handle furniture Indicator bolt	48	NO		
	<u>PAINTING AND DECORATING</u>				
	<u>ONE COAT ALLUMINIUM HARDWOOD PRIMER TO CROWN PAINTS OR EQUAL AND APPROVED</u>				
H	metal surfaces over 300mm girth external/internal	140	SM		
I	metal surface 200 to 300mm girth external	150	LM		
J	Ditto Timber surfaces over 300mm girth external	60	SM		
K	Ditto timber surfaces 0-100mm	70	LM		
	TOTAL DOORS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<u>FINISHES</u>					
FLOORS					
A	32mm thick ,cement sand mortar (1:3) steel trowelled Hard and smooth(sand mixed with quarry dust)	550	SM		
B	20mmX 100mm high skirting,rounded junction with wall finish and coved junction With floor internal	430	LM		
<u>WALLS</u>					
D	12mm thick ,2 no coatwork plaster 1:2:6 to concrete or brickwork base (m/s) generally,internal steel trowelled	1620	SM		
E	Ditto 15mm thick plaster externally	0	SM		
F	Ditto reveals and jambs	91	SM		
<u>CEILING(EXCLUDING CELLS AND ARMOURY)</u>					
G	12mm thick celotex softboard" flowerd"	0	SM		
H	25x75mm wrot cypress covetto moulded cornice plugged	0	LM		
I	75x50mm timber brandering both ways	0	LM		
<u>PAINTING AND DECORATING</u>					
<u>THREE COATS PVA BASED EMULSION PAINT</u>					
<u>TO CROWN PAINTS OR EQUALL AND</u>					
<u>APPROVED</u>					
J	Plastered walls surfaces internally	467	SM		
K	Plastered walls surfaces externaly	467	SM		
K	Ditto reveals and jambs	91	SM		
L	Ditto ceilling surface	0	SM		
M	Ditto cornice	0	LM		
TOTAL FINISHES CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	AMOUNT	
			Labour	full contract
	<u>SUMMARY OF ELEMENTS</u>			
1	SUBSTRUCTURE			
2	REINFORCED CONCRETE FRAME			
3	ROOFING			
4	WALLING			
5	WINDOWS			
6	DOORS			
7	FINISHES			
TOTAL FOR BUILDING WORKS CARRIED TO GRAND SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>P.C AND PROVISIONAL SUMS</u>				
A	Allow a Provisional sum of kshs240,000kenya shillings two hundred and forty thousand only) for adminisatration				240,000.00
B	Allow a Provisional sum of kshs 250,000kenya shillings two hundred and fifty thousand only) for Technical supervision				250,000.00
C	Allow a Prime cost sum of kshs 700,000kenya shillings seven hundred thousand only) for electrical works				700,000.00
D	Allow a Provisional sum of Twenty thousand(20,000/=) for erection of metallic sign board PP/4				20,000.00
E	Allow a Provisional sum of Ten thousand(10,000/=) for plague and branding PP/3				10,000.00
F	Allow a Provisional sum of Ten thousand(10,000/=) for public health plan approval				10,000.00
	TOTAL FOR P.C & PROVISIONAL SUMS CARRIED TO GRAND SUMMARY				1,230,000.00

PC

<u>MAIN PRICES SUMMARY PAGE</u>		AMOUNT (KSH)	
NO	DESCRIPTION		full contract
A	BILL NO 1. PRELIMINARIES PP/5		
B	BILL NO 2. MEASURED WORKS PG/12		
C	BILL NO 3. PRIME COST& WORKS PC PROVISIONAL SUMS		
	SUB-TOTAL		
	TOTAL AMOUNT CARRIED TO FORM OF TENDER VAT INCLUSIVE		

The tender sum is in the amount of :.....
.....

contractors name.....

.....

Address.....

Date.....

Signature.....

company stamp.....

Witness name.....

Address.....

Date.....