

COUNTY GOVERNMENT OF ELGEYO MARAKWET



DIRECTORATE OF PUBLIC WORKS

PROPOSED CONSTRUCTION OF THEATRE AT KAPTARAKWA SUB COUNTY HOSPITAL

BILLS OF QUANTITIES

TENDER NO.....

Prepared By:

County Quantity Surveyor

Elgeyo Marakwet County
P.O.Box 312 - 30700
ITEN, KENYA

County Structural Engineer

E/ Marakwet County
P.O.Box 312 - 30700
ITEN, KENYA

County Architect

E/ Marakwet County
P.O.Box 312 - 30700
ITEN, KENYA

Issued By:

Chief Officer
Roads & Public Works
P.O.Box 220 - 30700
ITEN, KENYA

Client:

Chief Officer
Health & Sanitation
P.O.Box 220-30700
ITEN, KENYA

BILLS OF QUANTITIES

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<u>ELEMENT 01: SUBSTRUCTURES</u>					
<u>(All Provisional)</u>					
<u>Oversite excavation</u>					
A	Excavate vegetable top soil average 200 mm deep and cart away debris as directed	340	SM		
<u>Excavations</u>					
B	Excavate foundation trench not exceeding 1.5 m deep starting from stripped level actual depth for excavation average depth to be determined on site	168	CM		
C	Extra over for excavation in rock	1	Item		
D	Allow for dewatering during excavations				
E	Allow for support of vertical surfaces of excavations				
<u>Hardcore Laying</u>					
F	300mm thick approved hardcore filling consolidated and rolled in layers not exceeding 150mm thick.	96	CM		
<u>Murram Blinding</u>					
G	50mm thick murram blinding to surfaces of hard-core with approved fine inert material.	322	SM		
<u>Anti termite treatment</u>					
H	"Termidor" or equal Insecticide treatment to surface of blinding with 10 year guarantee	322	SM		
<u>Lean Concrete(1:4:8) in ;</u>					
J	50mm thick foundation	5.5	CM		
<u>Concrete Class 20/20 (1:2:4) in ;</u>					
K	150mm thick Floor slab.	322	SM		
L	Strip foundation footing	22	CM		
M	Column bases and stub	5	CM		
Total carried to collection					

BILLS OF QUANTITIES

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Steel Fabric Reinforcement</u>				
A	B.R.C Mesh Reinforcement type A142 weighing 2.22 KG/SM with minimum 300 mm end and side laps.	40	SM		
	<u>Foundation Walling</u>				
B	200mm thick Quarry stone walling bedded and jointed in cement sandmortar (1:3) and reinforced with 16gauge hoop iron at alternate course	30	SM		
	<u>Damp proofing</u>				
C	1000 gauge damp proof membrane laid with minimum 300 mm side and end laps	322	SM		
D	200 mm wide bituminous based damp proof course on walls	680	LM		
	<u>Plinths</u>				
E	Render and set 12 mm thick cement and sand (1:4) plaster on plinth	34	SM		
F	Prepare and apply three coats gloss emulsion paint to rendered surfaces externally	34	SM		
	<u>Reinforcements</u>				
	Reinforcements, include for tying wires and spacer blocks for strip footing				
G	12mm diameter	62	KG		
G	10mm diameter at 200mm centres	464	KG		
H	8mm diameter	236	KG		
	Total carried to collection				
	<u>Total for page 1 to collection</u>				
	<u>Total brought down from above</u>				
	Totals for Substructure carried to summary				

BILLS OF QUANTITIES

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 02: SUPERSTRUCTURE</u>				
	<u>Walling</u>				
A	200mm machine dressed natural stone walling bedded and jointed in mortar and recessed and pointed on one side in cement sand mortar (1:4) to approval reinforced with hoop iron gauge 16 at every alternate course.	436	SM		
B	100mm ditto	18	SM		
C	Ditto to eaves filling	46	SM		
	<u>Concrete Class 20/20 (1:2:4) in ;</u>				
D	Ring Beam	74	CM		
D	Column	1	CM		
E	150mm thick Slab	6	CM		
	<u>Reinforcements</u>				
	Ribbed reinforcement bars including for tying wires and spacer blocks				
F	16mm diameter	160	KG		
G	12mm diameter	2409	KG		
H	10mm diameter	438	KG		
J	8mm diameter	2375	KG		
	<u>Formwork</u>				
K	Sawn cypress formwork to sides and soffites of ringbeam	902	SM		
L	Sawn cypress formwork to soffites of Slab	36	SM		
L	Sawn cypress formwork to vertical sides of columns	22	SM		
	<u>Total for Walling carried to Summary</u>				

BILLS OF QUANTITIES

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<u>ELEMENT 03: DOORS</u>					
<u>Doors</u>					
<u>Supply and fix the following doors to PMs approval.</u>					
A	1200x2400mm specially designed lead lined door for theatre functions fixed complete with locks hinges and all accessories to architect's approval	1	No		
B	1800 x 2400mm flush swing door to architect's design	7	No		
C	1200x2400mm ditto	9	No		
D	900x2400mm solid core flush door fixed to approval	6	No		
E	150x50mm cypress door frame	164	Lm		
F	Architrave 50mm wide	136	Lm		
G	Quadrant 25x25mm	136	Lm		
H	3 -lever mortice lock complete with furniture as "UNION" or equivalent	22	No		
<u>Painting</u>					
I	Gloss oil paint to surface of timber door internally	70	Sm		
J	Ditto externally	70	Sm		
K	Rubber Door stoppers plugged to floor with 38mm rag bolts	29	No		
<u>Carried to Summary</u>					

BILLS OF QUANTITIES

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
ELEMENT 04: WINDOWS					
<u>Supply and fix the following doors to PMs approval.</u>					
Standard heavy duty steel casement window with fasteners and stays complete					
A	Window size 600x1500mm high	23	NO		
B	Window size 900x900mm high	11	NO		
<u>Glazing</u>					
C	5mm thick clear sheet glass and glazing in panes 0.1-0.5 M with putty	30	SM		
<u>Window Cill</u>					
D	300mm widex 50mm thick insitu cast window cill to approval with 5mm diameter throat at soffites and painted	27	LM		
<u>Carried to Summary</u>					

BILLS OF QUANTITIES

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 05: FINISHES</u>				
	<u>Floor Finishes</u>				
A	18mm cement -sand simple screed on all floors ready to receive floor finish to approval:	344	SM		
B	20mm thick polished terrazo floor finish with coloured finish to approval.	114	SM		
C	100mm thick ditto but skirting	172	LM		
D	32x3mm thick plastic dividing strips	524	LM		
E	400x400x6mm thick ceramic floor tiles bedded and jointed in approved adhesives white 5mm wide spacer joints filled white cement grout to approval	230	SM		
F	100mm thick ditto but skirting	286	LM		
	<u>Internally</u>				
G	18mm thick Gauged plaster comprising 9mm thck c/s mortar (1:4); 3mm thick cement lime (1:1) steel trowelled to approval	438	SM		
H	Prepare and apply undercoat and three coats gloss oil paint on plastered surface.	438	SM		
J	18mm thick wood float finish plaster c/s mortar (1:4); to receive wall finish	227	SM		
K	20mm thick polished terrazo wall finish with coloured finish to approval.	199	SM		
L	300x200x6mm thick ceramic wall tiles bedded and jointed in approved adhesives white 5mm wide spacer joints filled white cement grout to approval	28	SM		
	<u>Total Carried to collection</u>				

BILLS OF QUANTITIES

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>FINISHES CONT:-</u>				
	Walls Externally				
A	Vertical and Horizontal key joints to give approved and desired finish using c/s mortar (1:4) to approval.	132	SM		
B	18mm thick Gauged render comprising 9mm thck c/s mortar (1:4); 3mm thick cement lime (1:1) steel trowelled to approval on beams Externally	48	SM		
C	Prepare and apply three coats emulsion paints and rendered surface.	48	SM		
	Ceiling finishes				
D	18mm thick wood float finish ceiling plaster c/s mortar (1:4); to receive ceiling finish	40	SM		
E	20mm thick polished terrazo wall finish with coloured finish to approval.	40	SM		
F	12mm thick chipboard ceiling nailed to brandering to architects approval.	304	SM		
G	Assorted sizes 75x50 and 50x50mm Brandering	1216	LM		
H	12x75mm wrot cypress moulded cornice plugged	64	LM		
J	75x50m sawn cypress timber battens	228	LM		
K	75x50m sawn cypress timber battens	988	LM		
L	Prepare and apply three coats emulsion paint on ceiling soffites.	228	SM		
M	1200mm wide 600x600x50mm thick precasted paving slabs on well compacted quarry dust to approval	118	SM		
	Brought down from above				
	Brought from Page EMC/HEALTH/7				
	<u>Carried to Summary</u>				

BILLS OF QUANTITIES

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<u>ELEMENT 06: ROOFING & RAINWATER GOODS</u>					
	<u>Roof sheets</u>				
A	28 gauge prepainted G C I T4 sheets to approval.	420	SM		
	<u>Ridge Cap</u>				
B	28 gauge ridge cap to match	42	LM		
C	30 gauge plain sheet valley to match	32	LM		
	<u>Fascia Board</u>				
D	Fascia/Barge boards 200x25 mm thick sawn cypress and planed to approval	122	LM		
	<u>Paint</u>				
E	Paint to ditto	28	SM		
	<u>Downpipes</u>				
F	GI Downpipes 100mm diameter including brackets and shoe to approval	18	LM		
	<u>Gutters</u>				
G	225x150x325mm ms gutter to approval	122	LM		
	<u>Paint</u>				
H	paint to ditto	45	SM		
	<u>Timber Members</u>				
	<u>All structural timber to be second grade sawn and planed celcured cypress to approval.</u>				
J	Ties and struts 100x50mm	392	LM		
K	Kingposts 100x50mm	64	LM		
L	Tie beams 150x50mm	264	LM		
M	Rafters 150x50mm	358	LM		
N	Purlins 75x50mm	680	LM		
P	100x50mm Wall plate	124	LM		
	<u>Total Carried to Summary</u>				

BILLS OF QUANTITIES

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<u>ELEMENT 07: SANITARY FITTINGS</u>					
	<u>Wash hand basins</u>				
A	1200 x 450mm medical double sink shaped and moulded to match concrete top with complete accessories.	1	No		
	<u>Wash hand basins</u>				
B	Twyfords advent washbasin and pedestal white & coloured oval shaped and moulded-to-match concrete top complete with accessories	2	No		
	<u>WC</u>				
C	White "Twyfords" classic low level and pedestal white & coloured	2	No		
	<u>Wash hand basins</u>				
D	1500x600mm stainless steel kitchen sink	1	No		
E	Shower rose,handle, taps and all accessories	2	No		
F	10000x450x900mm high MDF boards high level shelves with compartments to specification and approval of the PM	1	No		
Totals Carried to summary					

BILLS OF QUANTITIES

ITEM	DESCRIPTION	AMOUNT
<u>BUILDING WORK SUMMARY</u>		
A	Element 01: Substructure	
B	Element 02: Walling Superstructure	
C	Element 03: Doors	
D	Element 04: Windows	
D	Element 05: Finishes	
E	Element 06: Roofing and Rainwater goods	
F	Element 07: Fittings	
GRAND TOTAL		

BILLS OF QUANTITIES

ITEM	DESCRIPTION	AMOUNT
<u>PROVISIONAL AND PRIME COST SUMS</u>		
A	Provide P.C sum for Electrical works	200,000.00
B	Provision for Plumbing works	150,000.00
C	Provide for erection of Signboard with signage to approval	30,000.00
SUMMARY FOR PRIME COST SUMS		380,000.00

BILLS OF QUANTITIES

ITEM	DESCRIPTION	AMOUNT
GRAND SUMMARY		
A	Building Summary for Builders work	
B	P C & Provisional Sum	380,000.00
SUB TOTALS		
C	Contigencies	200,000.00
D	Project Management	50,000.00
GRAND TOTAL		
GRAND TOTAL CARRIED TO FORM OF TENDER		

*** Note that prices quoted are inclusive of all taxes**

CONTRACT PERIOD.....WEEKS

CONTRACTOR'S NAME.....

ADDRESS.....

SIGN.....

DATE.....

STAMP.....