

Item No	Description	Qty	Unit	Rate	Kshs
	BILLS OF QUANTITIES FOR GATE SENTRIES AT EMBU LIBRARY MARCH ,2014				
	ELEMENT NO . 1				
	SUBSTRUCTURES:				
A.	Oversite excavation to remove top vegetable soil and disposed the arisings.	4	SM		
	EXCAVATE.				
B.	To reduce levels	4	SM		
C	Trench for strip foundation	1	CM		
D	Return, fill and ram selected material around the foundation	1	CM		
E	Cartaway surplus materials	1	CM		
F.	250 mm thick approved hardcore filling well compacted	4	SM		
G.	25 mm thick murrum blinding	4	SM		
H.	"Dragnet FT" or other equal and approved chemical ant-termite treatment prepared and applied according to the manufacturer's printed instructions.	4	SM		
	PLAIN CONCRETE MIX (1:4:8)				
J	50 mm thick blinding under strip foundation	4	SM		
	REINFORCED CONCRETE MIX (1:2:4)				
K	Strip foundation	0.2	CM		
L	100 mm thick slab	1.5	SM		
M.	Y 10 mm diameter bars reinforcement in strip foundation	13	KG		
N	BRC N65 mesh fabric reinforcement	4	SM		
P	500 gauge damp proof membrane	4	SM		
	Carried to collection				

Item No	Description	Qty	Unit	Rate	Kshs
	ELEMENT NO. 2				
	SUPERSTRUCTURE FRAME- CONCRETE WORK				
A	Reinforced concrete mix (1:2:4) in ringbeam and slab	1.5	CM		
B	Y 12 mm diameter reinforcement bars in beams	16	KG		
C	Y 8 mm diameter ditto	8	KG		
D	Sawn formwork to sides and soffits of beams	2	SM		
	WALLING				
E	150 mm thick natural stone walling reinforced with approved hoop iron straps and bedded and jointed in cemnt: sand (1:3) mortar				
F	External walling	10	SM		
	EXTRA OVER NATURAL STONE WALLING FOR:				
G	Raking cutting fair and filling to profile of the roofing	1	LM		
H	Fine chisel dressing and raking joints horizontally as the work proceeds	1	SM		
	SUNDRIES				
	TOTAL FOR SUPERSTRUCTURE FRAME TO SUMMARY				

GS3

Item No	Description	Qty	Unit	Rate	Kshs
	ELEMENT NO. 3				
	ROOFING CARPENTRY AND COVERING				
	TRUSSED TIMBER				
	Sawn celcured cypress grade II in;				
A	100 x 50 mm rafters	4	LM		
B	150 x 50 mm tie beams	4.8	LM		
C	100 x 50 mm King posts	4	LM		
D	75 x 50 rafters, ties, struts, & purlins	12	LM		
	OTHER TIMBER				
F	200 x 25 mm fascia boards - planed	6	LM		
	ROOF COVERING				
G	Gauge 28 galvanised pre-painted corrugated iron sheets nailed to timber purlins (M.S)	3.3	SM		
J	12 mm thick plain softboard "Celotex" nailed to timber branderling (m.s) in symmetrical pattern with edges chamfered to form "V" joints	2	SM		
	TOTAL FOR ROOFING TO SUMMARY				

Item No	Description	Qty	Unit	Rate	Kshs
G	ELEMENT NO. 4				
	Steel doors				
	Steel casement steel doors with angle frames all with necessary iron mongery and 3lever union locks 900x2400mm high	1	NO		
	TOTAL FOR DOORS TO SUMMARY				

Item No	Description	Qty	Unit	Rate	Kshs
	ELEMENT NO 6				
	FINISHES				
	FLOOR FINISHES				
A	32 mm thick in floor screed	4	SM		
B	25 x 100 mm high skirting with round top edge	8	LM		
C	plane cement : sand screed steel trowelled smooth	1	SM		
	EXTERNAL WALL FINISHES				
D	Pointing in neat recessed joints horizontally and flush vertical joints on natural stone walling	10	SM		
E	Ditto to jambs and reveals	2	SM		
	12 mm thick cement: sand (1:4) render wood floated smooth on				
F	Sides and soffits of ringbeam	1	SM		
G	Gable walling and walling above ringbeam	1	SM		
	INTERNAL WALL FINISHES				
	12 mm thick cement : sand (1:4) plaster steel trowelled smooth internally on :				
H	Walling	10	SM		
J	Wall jambs and reveals	2	SM		
	Carried to collection				

Item No	Description	Qty	Unit		
	ELEMENT NO 7				
	PAINTING				
	Prepare surfaces and apply two undercoats and one finishing coats first quality paint as:				
	PLASTIC EMULSION				
A	Rendered surfaces externally	2	SM		
	BLACK BITUMINOUS				
B	Plinth surfaces externally	1	SM		
	GLOSS OIL				
C	Plastered surfaces internally	10	SM		
G	Metal window surfaces	1	SM		
H	Fascia and verge boards girth 200-300 mm	2	LM		
	Carried to collection				
	COLLECTION				
	Brought forward from page 07				
	Brought down from above				
	TOTAL FOR FINISHES TO SUMMARY				

Item No	Description	Qty	Unit	Rate	Kshs
	SUMMARY				
1	Substructures Page 02				
2	Superstructure frame Page 03				
3	Roofing carpentry and covering Page 04				
4	Doors Page 05				
5	Windows Page 06				
6	Finishes Page 08				
	TOTAL FOR THE SENTRY (BUILDERS WORKS)				
	GRAND SUMMARY				
1	Builders works				
3	Allow For Electrical Security Lighting				
	TOTAL ONE SENTRY				