

BILL OF QUANTITIES FOR THE PROPOSED PERIMETER AND RETAINING WALLS
AT COUNTY SPEAKERS' RESIDENCE NAKURU COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>BILL NO.1</u>				
	<u>REINFORCEMENT OF EXISTING PERIMETER WALLING (600M GIRTH).</u>				
	<u>ELEMENT No.1</u>				
	<u>Demolition and Alterations</u>				
A	Allow for careful cutting and creating of sections along existing masonry perimeter walling for columns; excavations and installations and set aside arising salvage for the client re-use as directed	1	Item		
B	Ditto to existing gate and set aside arising salvage ditto	1	Item		
	<u>SUBSTRUCTURE (All Provisional)</u>				
	<u>Excavations and Earthworks</u>				
C	Excavate oversite to remove vegetative top soil 200mm average depth	300	SM		
D	Excavate foundation column bases commencing from formation level but not exceeding 1.5 m deep from g.l	82	CM		
E	Return, fill and ram selected excavated materials around foundations	47	CM		
F	Remove and spread surplus materials on site as directed	35	CM		
G	Allow for keeping all excavations free from all water during construction	1	Item		
H	Allow for planking and strutting sides of excavations	1	Item		

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J	50mm thick 1:4:8 plain concrete blinding in column bases	50	SM		
	TOTAL CARRIED TO COLLECTION				

1/1/1

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Substructures cntd'</u>				
	<u>Concrete Works</u>				
A	V.r.c 1:2:4 class 20/20 in column bases	8	CM		
B	Ditto to sub-columns	8	CM		
	<u>FORMWORK</u>				
	Sawn softwood to:				
C	Sides of column bases: PROVISIONAL	55	SM		
D	Ditto but sub-columns	157	SM		
	High yield mild steel reinforcement to B.S 4449 in structural concrete work including tying wire and spacer blocks in;				
E	D12mm diameter	2479	KG		
F	D8mm diameter	450	KG		
	TOTAL CARRIED TO COLLECTION				
	<u>COLLECTION</u>				
	Total Brought forward from page 1/1/1				

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Brought down from Above				
TOTAL FOR SUBSTRUCTURE CARRIED TO SUMMARY				

1/1/2

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<u>ELEMENT No. 2</u> <u>FRAME</u> <u>Concrete Works</u> <u>Vibrated reinforced concrete (1;2;4) class 20/20 as described in;</u> Columns <u>Reinforcement</u> <u>High yield mild steel reinforcement to B.S 4449 in structural concrete work including tying wire, spacer blocks, stools and chairs in;</u>	13	CM		
B	D12mm diameter	1680	KG		
C	D8mm diameter	782	KG		
	<u>FORMWORK</u> <u>Sawn softwood to:</u>				

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D	Battering to sides of columns	252	SM		
TOTAL FOR FRAME CARRIED TO SUMMARY					

1/1/3

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT No. 3</u>				
	<u>FINISHES</u>				
	<u>15mm thick gauged lime (1:2:9) plaster trowelled smooth comprising 12mm thick backing and 3mm thick finishing coat as described on:</u>				
A	Wall facade internal	1160	SM		
B	Sides of columns internal and external but wood floated	202	SM		
C	Horizontal raking externally and flush pointing to joints: external	1160	SM		
D	450x300x75mm thick weathered and throated precast concrete coping bedding, jointing and pointing in c/s mortar	570	LM		

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E	300x300x75mm thick ditto	150	No.		
	TOTAL FOR FINISHES CARRIED TO SUMMARY				

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1/1/4

ITEM	DESCRIPTION	PAGE NO	AMOUNT
	<u>SUMMARY</u>		
	SUBSTRUCTURE		
A	FRAME	1/1/2	
B		1/1/3	
C	FINISHES	1/1/4	

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	TOTAL FOR PERIMETER WALLING CARRIED TO GRAND SUMMARY		
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1/S/1

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>BILL NO. 2</u> <u>RETAINING WALL (100M GIRTH)</u>				
	<u>ELEMENT No. 1</u>				
	<u>SUBSTRUCTURE (<i>All Provisional</i>)</u>				
	<u>Excavations and Earthworks</u>				
A	Excavate oversite to remove vegetative top soil 200mm average depth	100	SM		
B	Excavate foundation trench commencing from formation level but not exceeding 1.5 m deep from g.l	90	CM		
C	Ditto but for column bases ditto	49	CM		
D	Return, fill and ram selected excavated materials around foundations	52	CM		
E	Remove and spread surplus materials on site as directed	87	CM		
F	Allow for keeping all excavations free from all water during construction	1	Item		
G	Allow for planking and strutting sides of excavations	1	Item		
	<u>Concrete Works</u>				
H	V.r.c 1:2:4 class 20/20 in strip footing	7	CM		
J	Ditto to column bases	5	CM		

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K	50mm thick 1:4:8 plain concrete blinding in strip footing	60	SM		
L	Ditto to column bases	33	SM		
TOTAL CARRIED TO COLLECTION					

2/1/1

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Substructures cntd'</u>				
	<u>FORMWORK</u>				
	Sawn softwood to:				
A	Sides of concrete in foundation: PROVISIONAL	21	SM		
B	Sides of column bases	22	SM		
	<u>High yield mild steel reinforcement to B.S</u> 4449 in structural concrete work including tying wire <u>and spacer blocks in;</u>				
C	D12mm diameter	1153	KG		
D	D10mm diameter	1597	KG		
TOTAL CARRIED TO COLLECTION					
<u>COLLECTION</u>					
Total Brought forward from page 2/1/1					

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Brought down from Above				
TOTAL FOR SUBSTRUCTURE CARRIED TO SUMMARY				

2/1/2

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT No. 2</u>				
	<u>FRAME & WALLING</u>				
	<u>Concrete Works</u>				
	<u>Vibrated reinforced concrete (1;2;4) class 20/20 as described in;</u>				
A	Columns	13	CM		
B	Walling	50	CM		
	<u>Reinforcement</u>				
	<u>High yield mild steel reinforcement to B.S 4449 in structural concrete work including tying wire, spacer blocks, stools and chairs in;</u>				
C	D12mm diameter	960	KG		
D	D10mm diameter	6135	KG		
	<u>FORMWORK</u>				
	<u>Sawn softwood to:</u>				

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E	Battering to sides of columns	168	SM		
F	Ditto but walling	490	SM		
	<u>1000 gauge polythene; 150mm laps</u>				
G	Damp proofing membrane; horizontal	350	SM		
	<u>15mm thick gauged lime (1:2:9) plaster trowelled smooth comprising 12mm thick backing and 3mm thick finishing coat as described on :</u>				
H	External facade to concrete surfaces	350	SM		
	TOTAL FOR FRAME & WALLING CARRIED TO SUMMARY				

2/1/3

ITEM	DESCRIPTION	PAGE NO	AMOUNT
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A	<u>SUMMARY</u>		
B	SUBSTRUCTURE	2/1/2	
	FRAME AND WALLING	2/1/3	
	TOTAL FOR RETAINING WALLING CARRIED TO GRAND SUMMARY		

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2/S/1

ITEM	DESCRIPTION	PAGE NO		AMOUNT
1	<u>GRAND SUMMARY</u>			
2	PERIMETER WALLING Brought forward from page.....			
	RETAINING WALLING Brought forward from page.....	1/S/1		
		2/S/1		
3	SUB TOTAL			
4	Allow a provisional sum of KSh One Hundred Thousand (KSh100,000) only for preliminaries i.e Site hoarding, water for works etc.	ITEM		
	Allow a provisional sum of KSh Two Hundred and Twenty Thousand (KSh220,000) only for project administration expenses.	SUM		
	TOTAL ESTIMATED REFURBISHMENT COST TO FORM TENDER (VAT INCLUSIVE)			

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	Contract period(weeks)
	Amount in words.....
	Tenderers Name
	Adress.....
	SignatureDate.....

GS