

**LOT 1: MASONRY BOUNDARY WALL AROUND KIPEVU I SITE & GUARD HOUSE****BILL 1.1: BOUNDARY WALL**

ITEM NO	ITEM DESCRIPTION	UNIT	QUANTITY	RATE (Kshs)	AMOUNT (Kshs)
1.1.1	Allow for mobilization and demobilization to site.	Sum	1		
1.1.2	Demolish existing chain link fence along the site boundary and store at a location directed by the engineer within radius of 5km	Sum	1		
1.1.3	Excavate the foundation footing on soil to stable ground in all type of soil. Excavations shall be to a minimum depth of 1.5m depths unless otherwise determined by the engineer based on special site conditions encountered.	LM	651		
1.1.4	Provide and place 50mm thick concrete class 15 blinding for foundation and footing	m3	20		
1.1.5	Supply and install class 20 reinforced concrete to columns bases at 3m intervals along the boundary. The column bases shall be installed to drawing specification(Dwg Ref: KG/PE/Aux/01-Typical Section and Details for Kipevu Boundary Wall) for typical column bases CB1 and CB2.	m3	65		
1.1.6	Supply and install class 20 reinforced concrete to 3m high columns at 3m intervals along the boundary. The columns shall be installed to drawing specification(Dwg Ref: KG/PE/Aux/01) for typical column C01 detail.	m3	26		
1.1.7	Supply and install concrete class 20 mass concrete to wall strip footing to drawing specification (Dwg Ref: KG/PE/Aux/01)	m3	52		
1.1.8	Supply and install 200mm thick masonry stones using mortar mix 1:3 with 25mm hoop iron on alternative courses filled into the columns. Allowing for keying of alternate courses and at column and wall joints.	sq.m	1953		
1.1.9	Provide material and install 25mm thick expansion joint at 15m interval along the boundary wall	No.	43		
1.1.10	Supply and install reinforced concrete class 20 top beam(200x200) concrete to drawing specification	m3	26		
1.1.11	Supply and install metal grating comprising of 25x25x3mm square hollow sections or equivalent steel sections at three sections where the oil pipelines cross the boundary wall.	Sum	3		
1.1.12	Allow for painting of 2No. Existing metal gates to approved colour.	Sum	2		
<b>TOTAL COST FOR BILL 1.1: BOUNDARY WALL</b>					

BILLS OF QUANTITIES

**BILL 1.2: GUARD HOUSE**

ITEM NO	ITEM DESCRIPTION	UNIT	QUANTITY	RATE (Kshs)	AMOUNT (Kshs)
1.2.1	Excavate for strip foundation not exceeding 1.50 m deep	m3	23.20		
1.2.2	Supply and place 300mm thick imported hardcore fill	m2	11.76		
1.2.3	chemical anti termite treatment with approved insecticide	m2	11.76		
1.2.4	Damproofing with 500 gauge polythene sheeting laid over hardcore with 150 mm side end laps	m2	11.76		
1.2.5	50mm thick class 15 concrete blinding under strip footing	m2	8.16		
1.2.6	Supply and install class 20 reinforced concrete to strip footing to drawing specification(Dwg Ref: KG/PE/Aux/03) for typical footing detail.	m3	1.71		
1.2.7	Supply and install class 20 reinforced concrete in 100mm surface slab reinforced with A142 mesh fabric with minimum 150mm side overlap	m2	11.76		
1.2.8	Supply and install Bituminous damp proof course as described under 200mm thick walls	LM	16.40		
1.2.9	Supply material and install class 20 reinforced concrete in ring beam (450x200mm) including Reinforcement and formwork (Y12 bars with Y8 links @200c/c)	m3	1.48		
1.2.10	Supply and install 200mm thick masonry stones using mortar mix 1:3 with 25mm hoop iron at alternate courses and allowing for keying.	m2	53.30		
1.2.11	Supply and install all roofing material including 28 gauge GCI Roofing Sheets, all necessary trusses purlins and battens and ceiling.	Sum	1.00		
1.2.12	Carry out Internal plaster on all walls(18mm thick),ratio1:4(cement:sand)	m2	62.40		
1.2.13	Supply and install ceramic tiles to floor including all associated works	m2	11.20		
1.2.14	Supply and install one row of 600x600 paving blocks all round the building	LM	18.40		
1.2.15	Painting on plastered walls to approved colour-Robbillac daulote(one coat priming and undercoating)	m2	62.40		
1.2.16	Windows 1200x1200	No	1.00		
1.2.17	Windows 2000x1200	No	2.00		
1.2.18	Windows 600x600	No	1.00		
1.2.19	Doors 2100x900	No	2.00		
1.2.20	Supply and install WC and WHB for the toilet and connect to existing sewer disposal system.	Sum			
1.2.21	Supply and install all electrical fittings including overhead lighting, 2 No. power outlets and data ports and connection to nearest supply point.	Sum			
<b>TOTAL COST FOR BILL 1.2: GUARD HOUSE</b>					
<b>TOTAL COST FOR LOT 1 WORKS(BILL 1.1 +BILL 1.2)</b>					
<b>TAXES: 16% VAT</b>					
<b>TOTAL COST FOR LOT 1 WORKS(BILL 1.1 +BILL 1.2 Inclusive of VAT)</b>					

BILLS OF QUANTITIES

**LOT 2: ELECTRIC PROTECTION ALONG**

ITEM NO	ITEM DESCRIPTION	UNIT	QUANTITY	RATE (Kshs)	AMOUNT (Kshs)
2.1	Allow for mobilization and demobilization to site.	Sum	1		
2.2	Provide material and install all necessary supports at 3m intervals and electric wire for a 4-strand electric security protection along the top of the Kipevu I boundary wall to be established under this tender	LM	651		
2.3	Provide and install all necessary components of the energizing equipment	Sum	1		
2.4	Provide and install all the necessary of the battery equipment	Sum	1		
<b>TOTAL COST FOR LOT 2 WORKS</b>					
<b>TAXES: 16% VAT</b>					
<b>TOTAL COST FOR LOT 2 WORKS(Inclusive of VAT)</b>					

**SUMMARY OF TOTAL COST OF WORKS FOR LOT 1 AND 2**

Component of Tender	Amount
Cost for lot 1 (Inclusive of Taxes)	
Cost for lot 2 (Inclusive of Taxes)	
Cost for Lot 1 and Lot 2 (Inclusive of Taxes)	

**Note:**

The two works Lot 1 and Lot 2 will be awarded jointly based on the Total Quote for the Works. However in the event that the budgeted amount will not suffice then priority will be given to LOT 1 works.