

BILLS OF QUANTITIES FOR CONSTRUCTION OF KWALE MUNICIPALITY CEMETERY PERIMETER WALL (ALL PROVISIONAL)

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PART I: GENERAL AND PARTICULAR PRELIMINARIES</u>				
	<u>DEFINITIONS OF TERMS</u>				
A	<u>Employer/Client</u> The Employer/Client is "KWALE MUNICIPALITY"				
B	<u>The Works</u> The term "The Works" wherever used hereinafter and in all or any portion of the works as described, materials and articles wherever the same are being manufactured or prepared which are to be used in the execution of this contract, and whether the same be on site of the works or not. The term "The Works" shall also be deemed to include the work of all variations in accordance with the Contract.				
C	<u>The Contract</u> The term "The Contract" wherever used hereinafter and in all Contract Documents shall mean the Tender, Articles of Agreement and Conditions of Contract, Contract Drawings and Priced and signed Bills of Quantities.				
D	<u>Form of Contract</u> The Form of Contract shall be as stipulated in the Republic of Kenya's Standard Tender Document for Procurement of Building Works (Current Edition) and its regulations included herein. The Conditions of Contract are also included herein. Particulars of insertions to be made in the Appendix to the Contract Agreement will be found in the Particular Preliminaries part of these Bills of Quantities.				
E	<u>Location of Site</u> The proposed Construction Works will be located at KWALE MUNICIPALITY in Kwale County . The Contractor is advised to visit the site, to familiarize with the nature and position of the site. No claims arising from the Contractor's failure to do so will be entertained.				
	TOTAL CARRIED FORWARD				

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	<u>TOTAL BROUGHT FORWARD</u>				
A	<u>Scope of the Works</u> The major works to be carried out in this contract include the following: 1. Excavation & Earthworks including fillings 2. Concrete works 3. Reinforcement 4. Formwork. 5. Masonry work 6. Finishes.				
B	<u>Signboard</u> Allow for providing, erecting ,maintaining throughout the course of the contract and afterwards clearing away a signboard as designed,specified and approved by the Project Manager.	1.0	ITEM		
	Allow for site clearance on completion including loading and disposing all arsing debris	1.0	ITEM		
	<u>TOTAL CARRIED FORWARD</u>				

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A	Storage of Materials The Contractor shall provide at his own risk and cost where directed on the site weather proof lock-up sheds and make good damaged or disturbed surfaces upon completion to the satisfaction of the PROJECT MANAGER Nominated Sub-Contractors are to be made liable for the cost of any storage accommodation provided especially for their use.	1.0	ITEM		
	PARTICULAR PRELIMINARIES				
B	Allow a prime cost sum of Kshs. 300,000 for transportation of the Resident Engineer and his staff to be spent in whole or part as directed by the Engineer.	1	PC SUM		
C	E.O. item B above for Contractor's overheads and profits.	300,000	%		
D	Allow a Prime Cost Sum of Kshs.100,000 for material testing to be spent in whole or part as directed by the Engineer	1	PC SUM		
E	E.O. item D above for Contractor's overheads and profits.	100,000	%		
F	Allow a Prime Cost Sum of Kshs. 450,000 for attendance upon the Resident Engineer's staff, allowances and Miscellaneous Account.	1	PC SUM		
G	E.O. item F above for Contractor's overheads and profits.	450,000	%		
	<u>TOTAL CARRIED TO MAIN SUMMARY - PRELIMINARIES</u>				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>BROUGHT FORWARD</u>				
	<u>Insitu Plain Concrete mix 1:3:6 in:</u>				
A	50mm thick concrete blinding under strip footing	424.8	SM		
B	50mm thick concrete blinding under column bases	219.0	SM		
	<u>Insitu vibrated reinforced concrete mix 1:2:4 in</u>				
C	200mm thick strip footing	85.0	CM		
D	300mm thick column bases	65.7	CM		
E	Columns in substructure to ground level	11.6	CM		
	<u>High yield square twisted reinforcement including cutting to lengths,bending, twisting and fixing including all necessary tying wires and spacing blocks to B.S. 4461:-</u>				
F	Assorted bars	7,457.8	KG		
	CARRIED FORWARD				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>BROUGHT FORWARD</u>				
	<u>Formwork to:</u>				
A	Vertical sides of strip footing	212.4	SM		
B	Vertical sides of column bases	262.8	SM		
C	Vertical sides of columns	201.5	SM		
	CARRIED FORWARD				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<u>BROUGHT FORWARD</u> <u>Machine cut natural coral blocks bedded in cement sand mortar (1:4) including hoop iron in every alternate course (16mm joints)</u> 200mm walls	699.6	SM		
B	<u>Bituminous felt damp proof courses bedded in cement sand mortar (1:4) :300mm laps:-</u> 200mm wide horizontal <u>12mm cement sand (1:4) render:Steel trowelled on concrete or stonework to</u>	757.5	LM		
C	Plinths <u>Prepare and apply two coats bituminous paint on external surface render to:-</u>	300.0	SM		
D	Plinth	300.0	SM		
	<u>TOTAL CARRIED TO WALL SUBSTRUCTURE SUMMARY</u>				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUPERSTRUCTURE</u> <u>In situ vibrated reinforced concrete mix 1:2:4 grade 20 as described</u> <u>in :-</u>				
A	300mm x 200mm thick in ring beams	45.0	CM		
B	Columns in substructure to ground level	24.3	CM		
	<u>High yield square twisted reinforcement including cutting to lengths,bending, twisting and fixing ,including all necessary tying wires and spacing blocks to B.S. 4461:-</u>				
C	Assorted bars	7,248.9	KG		
	<u>Formwork</u> <u>Sawn softwood formwork to in-situ concrete as described:-</u>				
D	Vertical sides of columns and beams	873.1	SM		
	<u>WALLING</u> <u>Machine cut walling</u> 200mm thick machine cut coral block walling bedded and jointed in cement and sand mortar mix 1:3 with 20mm wide hoop iron reinforcement at every alternate course.				
E		979.5	SM		
F	150mm thick ventilation grill walling (300x300 ventilation grille blocks	419.8	SM		
G	600 x 300 x 75mm PCC coping to top of wall	699.6	LM		
H	400 x 400 mm finial crown Column cap	219.0	NO		
I	EXTERNAL WALL FINISHES				
J	Extra over dressed stone walling for neat recessed horizontal key in cement mortar (1:3)	699.63	SM		
K	12mm thick cement,sand and lime plaster,with steel trowelled finish.	209.89	SM		
	CARRIED FORWARD				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>BROUGHT FORWARD</u>				
	<u>Painting and decoration</u>				
	<u>Prepare and apply one undercoat and two finishing coats of silicone exterior emulsion paint on :-</u>				
A	Rendered wall surfaces	209.9	SM		
	INTERNAL WALL FINISHES				
B	12mm thick cement,sand and lime plaster,with steel trowelled finish.	1,189.4	SM		
C	Prepare and apply one undercoat and two finishing coats first quality soft white plastic emulsion paint to rendered wall surfaces.	1,399.3	SM		
D	20mm thick polyethylene foam expansion joint filler	31.40	SM		
E	20mm thick polyethylene foam sealant cords	279.9	LM		
	GATE				
	Supply material and fabricate standard high security; purpose made size 6000 x 3000mm high sliding gate;comprising of 75 x 75 x 3mm SHS frame; 75 x 50 x 3mm thick RHS verticle and horizontal infill sections; infilled with and including 14 gauge mild steel sheet; complete with 6000mm long, 50 x 50 x 3mm L-Section top and bottom rail; including rollers, locking gears and all necessary accesories all to the SE detail and approval. Incorporate an appropriate decorative design and clearly visible signage/lettering reading "KWALE MUNICIPALITY CEMETERY" or alternative to identify the purpose of the premises	1.0	NO		
	<u>GATE FINISHES</u>				
	<u>Prepare surfaces: and apply undercoat and two finishing coats first grade gloss paint as "Crown Paints" or other equal approved: on metal surfaces to:</u>				
G	General metal surfaces (both sides)	36.0	SM		
	<u>TOTAL CARRIED TO BOUNDARY WALL SUPERSTRUCTURE</u>				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	SUBSTRUCTURE	Page 4 - 7			
B	SUPERSTRUCTURE	Page 8 - 9			
	TOTAL CARRIED TO MAIN SUMMARY - BOUNDARY WALL				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>GRAND SUMMARY</u>				
I	PRELIMIMARIES	PAGE 1 - 3			
II	BOUNDARY WALL	PAGE 4 - 10			
	SUB-TOTAL 1				
	Allow 2% of Sub-total 1 for contingencies				
	SUB-TOTAL 2				
	Allow 16% of Sub-total 2 for V.A.T				
	Allow 0.03% of Sub-total 2 for PPRA CAPACITY BUILDING LEVY				
	<u>TOTAL AMOUNT FOR GRAND SUMMARY CARRIED TO FORM OF TENDER</u>				
	SIGNATURE AND STAMP OF TENDERER				
	DATE				
	NAME AND ADDRESS				