

KIAMARIGA SECONDARY SCHOOL

Item	Description	Unit	Qty	Rate	Amount
	<u>CONSTRUCTION OF 3 no CLASSROOMS</u>				
	<u>ELEMENT NO. 1: SUBSTRUCTURE</u>				
	<u>(PROVISIONAL)</u>				
	<u>SITE CLEARANCE</u>				
A	Clear site off all vegetation including small trees, scrubs and bushes	sm	110		
	<u>EARTHWORKS</u>				
B	Excavate to remove top vegetable soil and heap as directed on site; average depth of 200mm	sm	110		
C	Excavate foundation trenches commencing from reduced level: not exceeding 1.5 m deep	cm	28		
E	Return, fill and ram selected soil in foundations	cm	19		
F	Remove surplus spoil from site to a location approved by the owner	cm	9		
G	Extra over all excavations and earthworks for breaking up rock at any point	cm	1		
	<u>CONCRETE</u>				
	<u>Plain concrete class 15/40 :in</u>				
H	50 mm Thick blinding to strip foundations	cm	1		
Carried to Collection					

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Item	Description	Unit	Qty	Rate	Amount
	<u>Reinforced concrete class 25 vibrated: in.</u>				
A	Strip foundations	cm	5		
B	150mm thick floor bed	cm	14		
C	Columns	cm	1		
	Ground beam	cm	3		
	<u>Reinforcement</u>				
	<u>High tensile, deformed bar reinforcement to BS 4461</u>				
	12mm bars	kg	300		
D	10 mm Bars	kg	75		
E	8 mm Bars	kg	150		
	<u>Mesh Reinforcement</u>				
G	Mesh reinforcement No. A142 weighing 2.22 kg per square metre: in floor slab: including all necessary supports: allow for laps and bonding to existing slabs	sm	90		
Carried to Collection					

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Item	Description	Unit	Qty	Rate	Amount
	<u>Sawn formwork: to</u>				
B	Edges of surface bed: over 75 mm but not exceeding 150mm girth	lm	40		
	<u>Walls</u>				
C	150 mm Thick natural local stone foundation walls: bedded and jointed in cement and sand (1:4) mortar	sm	60		
	<u>Hardcore</u>				
D	Compacting 300mm thick Hardcore of approved inert material.	cm	72		
Carried to Collection					

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Item	Description	Unit	Qty	Rate	Amount
	<u>Anti-termite Treatment</u>				
A	Dragnet FT' anti-termite chemical treatment: applied by Insecta ltd. or other approved professional pest control specialist: applied strictly in accordance with the manufacturer's instructions: 10 year guarantee	sm	90		
	<u>Blinding</u>				
B	50 mm Thick approved quality quarry dust blinding to surfaces of hardcore	sm	90		
	<u>DPM</u>				
C	Gauge 1000 polythene damp proof membrane	sm	90		
Carried to Collection					
	<u>Collection</u>				
	From page 1				
	From page 2				
	From page 3				
	From page 4				
TOTAL FOR SUBSTRUCTURE CARRIED TO BUILDERS WORK SUMMARY					

KIAMARIGA SECONDARY SCHOOL

Item	Description	Unit	Qty	Rate	Amount
	<u>ELEMENT NO. 2: SUPERSTRUCTURE</u>				
	<u>Machine cut stones jointed and pointed in cement sand (1:3) mortar: flush vertical and horizontal joints :in</u>				
A	150 mm Thick walls	sm	95		
	<u>In situ reinforced concrete class 25: vibrated: in</u>				
B	Ring beams	cm	2		
C	Columns	cm	2		
	Steel reinforcement				
	<u>High tensile, deformed bar reinforcement to BS 4461</u>				
D	12 mm bars	kg	180		
E	8 mm bars	kg	125		
	<u>Sawn formwork: to</u>				
G	Sides and soffits: beams	sm	25		
	sides ;columns	sm	16		
TOTAL FOR SUPERSTRUCTURE CARRIED TO BUILDERS WORK					

KIAMARIGA SECONDARY SCHOOL

Item	Description	Unit	Qty	Rate	Amount
	<u>ELEMENT NO. 7: FINISHES</u>				
	<u>Floor finishes</u>				
	<u>Cement and sand (1:4) screed: to concrete floor in</u>				
A	32 mm thick steel trowelled screed	sm	90		
B	6mm thick non -slip ceramic tiles size 300 by 300mm laid in approved colour fixed with and including propriety adhehesive and pointed on completion with white cement or other and approved jointing compound.	sm	90		
C	Ditto but to 100mm high skirting	lm	31		
	<u>Internal wall Finishes</u>				
	<u>Plaster: 9 mm first coat of cement/lime putty/sand (1:2:9): 3 mm second coat of cement/lime putty/sand (1:1:6): steel trowelled: on masonry or concrete: to</u>				
D	Walls: internally	sm	85		
	<u>Prepare surfaces and apply undercoat and two finishing coats silk vinyl emulsion paint as " Crown Paints" or other equal approved on plastered masonry or concrete surfaces: to</u>				
E	Walls: internally	sm	85		
	Carried to Collection				

KIAMARIGA SECONDARY SCHOOL

Item	Description	Unit	Qty	Rate	Amount
	<u>External wall finishes</u>				
A	<u>Cement and sand (1:4) render: on concrete or masonry:</u> <u>steel trowel finished: to</u> 15mm thick: to walls and concrete: externally to receive paint <u>Prepare surfaces and apply undercoat and two finishing</u> <u>coats first grade emulsion paint as "Crown Paints" or</u> <u>other equal approved on plastered masonry or concrete</u> <u>surfaces: to</u>	sm	90		
B	Walls and concrete: externally	sm	90		
Carried to Collection					
	<u>Collection</u>				
	From page 1				
	From page above				
TOTAL FOR FINISHES CARRIED TO BUILDERS WORK SUMMARY					
	<u>ELEMENT NO. 5: DOORS</u>				
	<u>Steel doors</u>				
A	<u>Steel door in 75mm thick RHS frames and with 6mm</u> <u>sheet metal cladding complete with locks</u> 900*2400mm single leaf door <u>Prepare surfaces and apply one coat (undercoat) and</u> <u>two coats polyurethane clear lacquer paint as "Crown</u> <u>Paints" or other equal approved: on steel surfaces</u>	no	1		
B	Door: general surfaces	sm	5		
carried to collection					

KIAMARIGA SECONDARY SCHOOL

Item	Description	Unit	Qty	Rate	Amount
	<u>ELEMENT NO.6: WINDOWS</u>				
	<u>Approved pre-cast concrete cill: bedded and jointed in cement (sand (1:3) mortar: pointed in matching coloured cement</u>				
A	150 x 25 mm Thick cill; once weathered and throated	lm	8		
	<u>Windows</u>				
	<u>Supply, assemble and fix the following purpose made steel casement windows as " BOOTH" standards incorporating complete with fixing lugs on, hooded mosquito proofed permanent vent, pin type hinges including all necessary cutting, 4mm thick clear sheet glass(m.s) and glazing ironmongery (m.s) from "General steel fabricators". or other equal and approved manufacturers. Allow for painting with undercoat lead oxide.</u>				
B	Steel casement Window size 2000 x 1500mm high	no	4		
	<u>3mm Thick clear sheet glass and glazing to steel casement windows with and including linseed putty: in panes</u>				
E	Panes: not exceeding 0.50 sm	sm	12		
<i>Carried to collection</i>					
	<u>Collection</u>				
	From page 1				
	From above				
TOTAL FOR WINDOWS & DOORS CARRIED TO BUILDERS WORK SUMMARY					

KIAMARIGA SECONDARY SCHOOL

Item	Description	Unit	Qty	Rate	Amount
	<u>ROOFING</u>				
	<u>Galvanized corrugated Sheet roofing: 30 gauge;Pre-painted</u>				
A	Roof covering not exceeding 30° from horizontal;fixing to timber structure (m/s) with roofing nails and neoprene washers	sm	96		
B	Ridge / cap to match	lm	10		
	<u>CARPENTRY</u>				
	<u>The following in . sawn treated cypress timber;</u>				
C	75x 50mm rafters	lm	96		
D	75*50mm struts and ties	lm	96		
E	75 x 50mm Tie beam	lm	63		
F	75 x 50mm kingpost	lm	15		
G	100 x 50mm wall plate rag-bolted at 1200mm centres with and including 12mm diameter bolts	lm	32		
H	50 x 50mm purlins	lm	126		
	<u>The following in wrot cypress</u>				
G	200 x 25mm thick facsia/barge boards	lm	39		
	<u>Verrandah steel support</u>				
	<u>blackpipe Class A</u>				
H	50mm dia * 3m long	no	4		

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Item	Description	Unit	Qty	Rate	Amount
	SUMMARY				
1	SUBSTRUCTURES				
2	WALLING				
3	ROOFING				
4	DOORS				
5	FINISHES				
	<u>PROVISIONAL SUMS</u>				
	<u>The following provisional items shall be measured on completion of the works and priced in accordance with rates contained in these bills of quantities or pro-rata thereto or deducted in whole if not required.</u>				
A	Provide Kenya Shillings Seventy Five Thousand (Kshs. 75,000.00) only for contingencies	ITEM	1		
B	Provide Kenya Shillings One hundred and Ten Thousand (Kshs. 110,000.00) only for electrification	ITEM	1		
C	Provide Kenya Shillings Seventy Five Thousand (Kshs. 75,000.00) only for PMC allowances	ITEM	1		
D	Provide Kenya Shillings Fifteen Thousand (Kshs. 15,000.00) only for Public works facilitation	ITEM	1		
E	Provide Kenya Shillings Fifteen Thousand (Kshs. 15,000.00) only for Signboard	ITEM	1		
F	Provide Kenya Shillings Ten Thousand (Kshs. 10,000.00) only for branding	ITEM	1		
	TOTAL FOR PROVISIONAL SUMS CARRIED TO GRAND SUMMARY				

KIAMARIGA SECONDARY SCHOOL

Item	Description	Unit	Qty	Rate	Amount
	<u>GRAND SUMMARY</u>				
A	BUILDERS WORK FOR SINGLE CLASSROOM				
B	3 CLASSROOMS				
C	PROVISIONAL SUMS				
	CONTRACT SUM				
	AMOUNT IN WORDS: (KSHS)				
	Contractor's Name _____				
	Address _____				
	Signature _____				
	Date _____				
	Witnesses's Name _____				
	Address _____				
	Signature _____				
	Date _____				
	GS/1				