

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
<u>PROPOSED CONSTRUCTION OF A STOREY 4NO CLASSROOMS BLOCK AT KIITHE BOARDING PRIMARY SCHOOL</u>					
Plinth area finishes					
A	12mm thick cement and sand(1:3) wood floated	19	SM		
B	Prepare and apply three coats black bituminous paint to rendered area.	19	SM		
Carried to Summary					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
1	<u>COLLECTION</u> Brought Forward from page 1				
TOTAL FOR SUBSTRUCTURES - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>CONCRETE WORKS</u>				
	<u>Sawn formwork as described to:</u>				
A	Sides and soffites; beams and/or lintols	164	SM		
B	Columns vertical sides	101	SM		
C	Soffites of suspended floor slabs	203	SM		
D	Soffites of stair landings	6	SM		
E	Sloping soffites of staircase	17	SM		
F	Sloping open strings of staircase cut to profile on steps	25	SM		
G	Riser and edges of stairs 75-150mm high	49	LM		
H	Edges of suspended slab 75-150mm high	64	LM		
I	Edge of staircase landing 75-150mm high	16	LM		
	<u>T - Bar Reinforcement</u>				
	<u>High yield square twisted bars to B.S 4461 in Structural concrete</u>				
J	16mm Diameter	2452	KG		
K	12mm Diameter	204	KG		
L	10mm Diameter	3630	KG		
M	8mm Diameter	781	KG		
	<u>Vibrated reinforced insitu concrete class 20/20 with a minimum crushing strength of 20Nmm at 28days</u>				
N	Slabs beams ,beams and or lintols	15	CM		
O	150mm thick suspended slab	203	SM		
P	Columns	7	CM		
Q	150mm thick landing	6	SM		
R	Stairs and waist	6	CM		
TOTAL FOR SUPERSTRUCTURES R.C FRAME - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	SUPERSTRUCTURE WALLING				
	External walling				
	<u>Machine dressed natural stone walling;bedded in cement and sand (1:3) mortar;crushing strength of 7N/mm and reinforced with hoopiron gauge 500 in every alternate course</u>				
A	200mm Thick walls	33	SM		
B	Extra over walling for key pointing externally;patterns to Architects approval	148	SM		
	Internal Walling				
	<u>Machine dressed natural stone walling;bedded in cement and sand (1:3) mortar with minimum crushing strength of 7N/mm and reinforced with hoopiron gauge 500 in every</u>				
C	200mm Thick walls		SM		
	GRILLAGE				
	<u>Ex-shop approved SHS framed and SHS infilled and half sheet plated grillages As per Architects detail Design including red oxide primer</u>				
A	Size 1500 x 1500mm high (G1)	1	NO		
	<u>Prepare and apply one under coat and two finishing coat gloss oil paint on metal work</u>				
B	General surfaces of grillages	5	SM		
TOTAL FOR SUPERSTRUCTURE WALLING - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>Windows</u> <u>Window sill</u>				
A	Ex. 150 x 50mm Thick precast concrete external window cill pointed in cement and sand (1:3) mortar <u>Windows</u> <u>Steel casement windows in standard sections frame including mullion, transomes, mosquito proof gauze permanent vents with high quality inbuilt heavy duty polished brass to (m/s) or other equal and approved fasteners, window stays fixing lags and applying primer before fixing.</u>	17	LM		
B	Size 1500 x 1200mm high <u>Glazing</u>	10	NO		
E	4mm thick obscure sheet glass and glazing with putty in panes not exceeding 0.10 - 0.50 square metres. <u>Prepare and apply one under coat and two finishing coat gloss oil paint on metal work</u>	18	SM		
F	General surfaces of mild steel window Casements (both sides) <u>Curtain Rails</u> <u>Mild Steel</u>	36	SM		
G	25mm Diameter x 3mm thick high quality chrome plated twin curtain rails complete with hooks, brackets and sliding rings	34	LM		
TOTAL FOR WINDOWS - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<p><u>DOORS</u></p> <p style="text-align: center;"><u>Metal Doors</u></p> <p><u>Fabricate, deliver and instal the following purpose made steel casement doors (To Architects Detail) to comply to B.S.990 obtained from an approved manufacturer primed with red oxide primer before delivery to site complete with hinges handles and catches</u></p>				
A	Door overall size 1500 x 2400mm	2	NO		
B	<p><u>Prepare and apply one undercoat and one finishing coat gloss oil paint on metal</u></p> <p>General surfaces; metal doors; above</p>	15	SM		
TOTAL FOR DOORS - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	FINISHES				
	FLOOR FINISHES				
	<u>In situ cement and sand (1:4) screed</u>				
A	25mm Thick finished with a steel trowel	184	SM		
B	20 x 100mm high skirting; rounded at top edge; coved at junction with floor	84	LM		
TOTAL FOR FLOOR FINISHES - CARRIED TO GRAND SUMMARY					
	WALL FINISHES				
	<u>Internal wall finishes</u>				
	<u>Plaster 12mm thick cement lime putty and sand steel trowelled on masonry or concrete to</u>				
A	Wall and concrete surfaces	226	SM		
B	Ditto to door reveals (100-200mm)	13	LM		
C	Ditto to window jambs	54	LM		
	<u>Prepare surfaces and apply three coats crown solo vinyl emulsion paint or other equal and approved on steel trowelled plaster</u>				
D	Walls and concrete surfaces internally	226	SM		
E	Ditto to door reveals (100-200mm)	13	LM		
F	Ditto to window jambs	54	LM		
TOTAL FOR INTERNAL WALL FINISHES - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<p style="text-align: center;"><u>EXTERNAL FINISHES</u></p> <p><u>External cement and sand (1:3) render steel trowelled on concrete to</u></p> <p>A Concrete surfaces beams</p> <p style="text-align: center;"><u>82</u></p> <p style="text-align: center;"><u>SM</u></p> <p><u>Prepare surfaces apply three coats first grade permaplast paint to rendered surfaces</u></p> <p>B Plastered concrete surfaces beams</p> <p style="text-align: center;"><u>82</u></p> <p style="text-align: center;"><u>SM</u></p>				
TOTAL FOR EXTERNAL FINISHES - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>Ceiling Finishes</u>				
	<u>Plaster 12mm thick cement lime putty and sand steel trowelled on masonry or concrete to</u>				
A	Soffits of suspended slabs	184	SM		
	<u>Prepare surfaces and apply three coats crown solo vinyl emulsion paint or other equal and approved on steel trowelled plaster</u>				
B	Soffits of suspended slabs	184	SM		
TOTAL FOR CEILING FINISHES - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>Staircase Finishes</u>				
	<u>Screed cement and sand(1:4) on concrete steel trowelled smooth with and including red oxide colour additive</u>				
A	40mm thick to 300mm wide treads	49	LM		
B	40mm thick to 150mm high risers	49	LM		
C	40mm thick to landings	6	SM		
	<u>Plaster 9mm thick first coat of cement lime putty and sand (1:2:9) 4mm thick second coat of lime putty and sand (1:1:6) steel trowelled to</u>				
D	Sloping soffits of staircase and strings	25	SM		
E	Soffits of landing	6	SM		
	<u>Prepare and apply 3 coats emulsion paint to or other equal and approved to:-</u>				
F	Sloping soffits of staircase and strings	25	SM		
G	Soffits of landing	6	SM		
	TOTAL FOR STAIRCASE FINISHES				

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>Staircase Railing</u>				
A	1200mm high balustrading comprising 50mm diameter mild steel CHS handrail 38 x 38mm RHS balusters at 1000 centres with one end grouted to concrete floor other end welded to handrail and bottom rail 20 x 20mm RHS infills to pattern All as per architects details spray painted	32	LM		
B	50mm diameter steel pipes for supporting balcony roofing	12	LM		
C	Painting to the steel pipes	12	LM		
TOTAL FOR STAIRCASE RAILING - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>SUMMARY FOR FINISHES</u>				
1	FLOOR FINISHES				
2	INTERNAL WALL FINISHES				
3	EXTERNAL WALL FINISHES				
4	CEILING FINISHES				
5	STAIRCASE FINISHES				
6	STAIRCASE RAILING				
TOTAL FOR FINISHES - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>SUMMARY</u>				
1	SUPERSTRUCTURE R.C. FRAME				
2	SUPERSTRUCTURE WALLING				
3	DOORS				
4	WINDOWS				
5	FINISHES				
GRAND SUMMARY FOR GROUND FLOOR					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>MAIN SUMMARY - WORK TO GROUND FLOOR</u>				
1	BUILDERS WORKS				
2	PRIME COST AND PROVISIONAL SUMS				290,000.00
	TOTAL FOR WORK TO GROUND FLOOR CARRIED TO GRAND SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>CONCRETE WORKS</u>				
	<u>Sawn formwork as described to:</u>				
A	Sides and soffites; beams and/or lintols	164	SM		
B	Columns vertical sides	101	SM		
	<u>T - Bar Reinforcement</u>				
	<u>High yield sqiare twisted bars to B.S 4461 In Structural concrete</u>				
C	16mm Diameter	2452	KG		
D	8mm Diameter	781	KG		
	<u>Vibrated reinforced insitu concrete class 20/20 with a minimum crushing strength of 20Nmm at 28days</u>				
E	Slabs beams ,beams and or lintols	15	CM		
F	Columns	7	CM		
TOTAL FOR SUPERSTRUCTURES R.C FRAME - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>SUPERSTRUCTURE WALLING</u>				
	<u>External walling</u>				
	<u>Machine dressed natural stone walling;bedded in cement and sand (1:3) mortar;crushing strength of 7N/mm and reinforced with hoopiron gauge 500 in every alternate course</u>				
A	200mm Thick walls	148	SM		
B	Extra over walling for key pointing externally:patterns to Architects approval	148	SM		
	<u>Internal Walling</u>				
	<u>Machine dressed natural stone walling:bedded in cement and sand (1:3) mortar with minimum crushing strength of 7N/mm and reinforced with hoopiron gauge 500 in every</u>				
C	200mm Thick walls	23	SM		
	<u>GRILLAGE</u>				
	<u>Ex-shop approved SHS framed and SHS infilled and half sheet plated grillages As per Architects detail Design including red oxide primer</u>				
D	Size 1500 x 1500mm high (G1)	1	NO		
	<u>Prepare and apply one under coat and two finishing coat gloss oil paint on metal work</u>				
E	General surfaces of grillages	5	SM		
TOTAL FOR SUPERSTRUCTURE WALLING - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>ROOF CONSTRUCTION,COVERING AND RAINWATER GOODS</u>				
	<u>Roof Construction</u>				
	<u>In structural timber</u>				
	<u>Double-pitch truss:spanning clear 10,600mm; including hoisting and fixing in position approx.6,000mm above existing ground floor including necessary jointing (In No.14)(Truss T1)</u>				
A	100 x 50mm Rafter	183	LM		
B	100 x50mm Tiebeam	161	LM		
C	75 x 50mm struts/ties	209	LM		
D	100 x 50mm kingpost	33	LM		
E	75 x50mm purlins (End of 14No.Trusses)	485	LM		
	<u>In structural timber :(Associated with Truss T1)</u>				
F	100 x 50mm Intermediate rafter	170	LM		
	<u>Structural timber:sawn cypress:pressure impregnated as described</u>				
G	150 x 50mm Wall plate secured with and including 12mm diameter mild steel anchor bolt 300mm long @900mm centres cast in concrete ring beam	40	LM		
	<u>Double-pitch truss:spanning clear 3,200mm; including hoisting and fixing in position approx.6,000mm above existing ground floor including necessary jointing (In No.6)(Truss T2)</u>				
H	100 x 50mm Rafter	34	LM		
I	100 x50mm Tiebeam	25	LM		
J	75 x 50mm struts/ties	27	LM		
K	100 x 50mm kingpost	5	LM		
L	75 x50mm purlins (End of 6No.Trusses)	89	LM		
	<u>In structural timber :(Associated with Truss T1)</u>				
M	100 x 50mm Intermediate rafter	29	LM		
	<u>Structural timber:sawn cypress:pressure impregnated as described</u>				
N	150 x 50mm Wall plate secured with and including 12mm diameter mild steel anchor bolt 300mm long @900mm centres cast in concrete ring beam	14	LM		
TOTAL FOR ROOF CONSTRUCTION - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>Roof Covering</u>				
	<u>Pre-painted galvanized box-profiled LT5 sheet roofing fixed approximately 2,700mm Above the existing ground level with and including 100mm long galvanized roofing nails on timber-purlins (m.s) with side and end laps;as per the manufacturers printed instructions.</u>				
A	30 Gauge roof covering sloping not exceeding 45 degrees from horizontal including all necessary fixtures.	278	SM		
B	Ditto; ridge cap	27	LM		
	<u>Wrot cypress treated with approved preservative</u>				
C	200 x 25mm fascia/ barge board fixed to ends of rafters (m.s)	91	LM		
TOTAL FOR ROOF COVERING - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>Rainwater Disposal</u> <u>In Upvc</u>				
A	140mm diameter half upvc gutter	91	LM		
B	Extra over gutter for click fit end	6	NO		
C	Extra over gutter for click fit joint union	20	NO		
D	140mm gutter support brackets	100	NO		
E	140 x 75mm click fit end with running outlet	6	NO		
F	140 x 75mm click fit end running outlet	10	NO		
G	75mm diameter down pipes(20NO pieces)	124	LM		
H	Extra over down pipes for swan neck offset	20	NO		
I	Extra over down pipes for shoe	20	NO		
J	75mm diameter down pipes clips	100	NO		
TOTAL FOR RAIN WATER GOODS - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>Windows</u>				
	<u>Window sill</u>				
A	Ex. 150 x 50mm Thick precast concrete external window cill pointed in cement and sand (1:3) mortar	17	LM		
	<u>Windows</u>				
	<u>Steel casement windows in standard sections frame including mullion, transomes, mosquito proof gauze permanent vents with high quality inbuilt heavy duty polished brass to (m/s) or other equal and approved fasteners, window stays fixing lags and applying primer before fixing.</u>				
B	Size 1500 x 1200mm high	10	NO		
	<u>Glazing</u>				
E	4mm thick obscure sheet glass and glazing with putty in panes not exceeding 0.10 - 0.50 square metres.	18	SM		
	<u>Prepare and apply one under coat and two finishing coat gloss oil paint on metal work</u>				
F	General surfaces of mild steel window Casements (both sides)	36	SM		
	<u>PV Vents</u>				
G	Supply and fix pairs of 200 x200 25mm thick precast concrete vents (PV) set in both sides of walling with cement and sand (1:3) mortar including approved mosquito wire gauze fixed between the concrete vents	20	PCS		
	<u>Curtain Rails</u>				
	<u>Mild Steel</u>				
H	25mm Diameter x 3mm thick high quality chrome plated twin curtain rails complete with hooks, brackets and sliding rings	34	LM		
TOTAL FOR WINDOWS - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>DOORS</u>				
	<u>Metal Doors</u>				
	<u>Fabricate, deliver and instal the following purpose made steel casement doors (To Architects Detail) to comply to B.S.990 obtained from an approved manufacturer primed with red oxide primer before delivery to site complete with hinges handles and catches</u>				
A	Door overall size 1500 x 2400mm	2	NO		
	<u>Prepare and apply one undercoat and one finishing coat gloss oil paint on metal</u>				
B	General surfaces; metal doors; above	15	SM		
	<u>PV Vents</u>				
C	Supply and fix pairs of 200 x200 25mm thick precast concrete vents (PV) set in both sides of walling with cement and sand (1:3) mortar including approved mosquito wire gauze fixed between the concrete vents	4	PCS		
TOTAL FOR DOORS - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>FINISHES</u>				
	<u>FLOOR FINISHES</u>				
	<u>In situ cement and sand (1:4) screed</u>				
A	25mm Thick finished with a steel trowel	195	SM		
B	20 x 100mm high skirting; rounded at top edge; coved at junction with floor	95	LM		
TOTAL FOR FLOOR FINISHES - CARRIED TO GRAND SUMMARY					
	<u>WALL FINISHES</u>				
	<u>Internal wall finishes</u>				
	<u>Plaster 12mm thick cement lime putty and sand steel trowelled on masonry or concrete to</u>				
C	Wall and concrete surfaces	226	SM		
D	Ditto to door reveals (100-200mm)	13	LM		
E	Ditto to window jambs	54	LM		
	<u>Prepare surfaces and apply three coats crown solo vinyl emulsion paint or other equal and approved on steel trowelled plaster</u>				
F	Walls and concrete surfaces internally	226	SM		
G	Ditto to door reveals (100-200mm)	13	LM		
H	Ditto to window jambs	54	LM		
TOTAL FOR INTERNAL WALL FINISHES - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>Ceiling Finishes</u>				
	<u>Branding</u>				
A	50 x 50mm wrot cypress branding	769	LM		
B	Ditto plugged	129	LM		
	<u>Cornice</u>				
C	100 x 25mm curved softwood timber cornice fixed on to wall finish including painting All to Architects approval	129	LM		
	<u>Celotex Ceiling</u>				
D	12mm thick v-jointed celotex ceiling on branding m.s	195	SM		
	<u>Knot prime and stop and prepare and apply 3 coats polyurethane clear lacquer or pther equal and approved on timber surfaces</u>				
E	General timber surfaces ceiling internally	195	SM		
TOTAL FOR CEILING FINISHES - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>Balcony Railing</u>				
A	1200mm high balustrading comprising 50mm diameter mild steel CHS handrail 38 x 38mm RHS balusters at 1000 centres with one end grouted to concrete floor other end welded to handrail and bottom rail 20 x 20mm RHS infills to pattern All as per architects details spray painted	29	LM		
B	50mm diameter steel pipes for supporting balcony roofing	26	LM		
C	Painting to the steel pipes	26	LM		
TOTAL FOR BALCONY RAILING - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>SUMMARY FOR FINISHES</u>				
1	FLOOR FINISHES				
2	INTERNAL WALL FINISHES				
3	EXTERNAL WALL FINISHES				
4	CEILING FINISHES				
5	BALCONY RAILING				
TOTAL FOR FINISHES - CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>SUMMARY</u>				
1	SUPERSTRUCTURE R.C. FRAME				
2	SUPERSTRUCTURE WALLING				
3	ROOF				
4	DOORS				
5	WINDOWS				
6	FINISHES				
	GRAND SUMMARY FOR FIRST FLOOR				

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>PRIME COST AND PROVISIONAL SUMS</u>				
1	Allow a prime cost sum of Kenya shillings One Hundred and Twenty Thousand only for eletrical installation		ITEM		120,000.00
2	Allow a provisional sum of Kenya shillings One Hundred Thousand only for Contingencies.		ITEM		100,000.00
3	Allow a provisional sum of Kenya shilling One Hundred and Twenty Thousand only for Project Management.		ITEM		120,000.00
4	Allow a provisional sum of Kenya shilling Four Hundred and Forty Thousand only for Project Administration Expenses (PMC)		ITEM		440,000.00
	TOTAL PROVISIONAL AND PRIME COST				780,000.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	GRAND SUMMARY				
1	ITEMS TO PRELIMINARIES				
2	WORK TO SUBSTRUCTURES				
3	WORK TO GROUND FLOOR				
4	WORK TO FIRST FLOOR AND ROOF				
	SUB TOTAL				
	ADD V.A.T @ 16%				
	TOTAL CARRIED TO FORM OF TENDER				

Amount (In Words).....
.....

Tenderer's Signature and Stamp.....

Address.....

Date.....

Witness Name.....

Signature.....

Address.....

Date.....