

Item	Description	Unit	Quantity	Rate	Shs	Cts
	<u>SECTION NO.2</u>					
	<u>SECTION NO.2</u> PROPOSED 5NO. CLASSROOMS, ADMINISTRATION OFFICES AND SANITARY FACILITIES AT KIWANJANI PRIMARY SCHOOL IN ISIOLO TOWN					
	ELEMENT NO.1					
	SUBSTRUCTURE (ALL PROVISIONAL) Note : the work in this element includes all work up to and including the ground floor slab					
	EXCAVATION AND EARTH WORKS					
	SITE PREPARATION					
A	Clear site of bushes, shrubs and undergrowth including grubbing up roots and clearing away	SM	212			
B	Allow for keeping the whole of excavation free from water	ITEM				
C	Allow for destroying any white ants' nests around in the vicinity of the buildings or in tunnels exposed during the course of excavation, taking out and destroying queen ants depositing cyanide lumps in holes, tunnels and filling with ballast or murrum, packed and sealed	ITEM				
D	Allow for maintaining and upholding sides of excavations clear of all fallen materials, rubbish etc	ITEM				
E	Excavate average 150mm deep to remove vegetable soil and wheel and deposit in spoil heaps where directed	SM				
F	Excavate to reduce levels commencing at ripped level	CM	318			
	Total Carried to collection					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	Section No. 2					
A	Excavate for foundation trench commencing at a reduced level not exceeding 1500mm deep	CM	108			
B	Excavate for stanchion /column bases commencing at reduced level not exceeding 1500mm deep	CM	42			
C	Extra over excavation for excavating in rock	CM	13			
D	Return , fill and ram selected excavated material around foundations	CM	192			
E	Load and cart away surplus excavated materials from site	CM	276			
F	Approved imported murrum filling to make up levels, well compacted in 150 mm layers well rammed and consolidated in making up levels	CM	315			
G	250 mm Bed of hand packed stone base well rolled and blinded with fine material	SM	212			
F	Insecticide treatment to surface of hardcore and tops of foundation walling	SM	212			
	<u>CONCRETE WORK</u>					
G	PLAIN CONCRETE CLASS ' F' MIX (1:4:8) 40mm Aggregate) as described 150 mm thick surface bed	SM	212			
	Total Carried to collection					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	<u>section No.2</u>					
	VIBRATED REINFORCED CONCRETE (1:2:4) CLASS 20(20) as described in :					
A	Wall foundations	CM	10			
B	Columns bases	CM	2909.5			
C	Columns	CM	8			
D	Strip foundations	CM	7			
	STEEL REINFORCEMENT as described					
E	16 mm Diameter (nominal) square twisted high tensile bars in any position in superstructure	KG	145			
F	10mm Diameter (nominal) square twisted tensile bars in any position in superstructure	KG	1000			
G	8mm Diameter mild steel bars in any position in superstructure	KG	120			
	STEEL FABRIC REINFORCEMENT TO BS 4483 as described					
H	NO.A 142 Fabric mesh reinforcement weighing 2.22kg per metre square fixed in slab at bottom	SM	212			
	FORMWORK to :-					
L	Sides of wall foundations	SM	44			
J	Sides of column bases	SM	13			
K	Sides of column	SM	30			
L	Edge of bed 75 to 150 mm high	LM	110			
	EXPANSION JOINT					
M	12mm flexcell expansion jointset against stone walling	SM	6.5			
N	12 mm Theoflex sealant in 150 mm surface bed	SM	6.5			
	Total Carried to collection					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	Section No. 2					
	SUNDRIES					
A	20S.W.G. Hoop iron wall tie 25mm wide X 450mm long cast 75 mm into concrete and built into joint of stone walling Return , fill and ram selected excavated material around foundations	NO	160			
	WALLING					
	COURSED STONE WALLING in cement and sand (1:4) mortar					
B	225 mm Thick load bearing wall with minimum crushing strength of 10N/ mm ²	SM	175			
	DAMP PROOF COURSES					
C	500 Gauge polythene sheeting laid on blinded hardcore	SM	212			
	PAVING AND PLASTER WORK					
	TWO COATS EXTERNAL CEMENT render (1:4) as described finished with a wood float					
D	1.5 mm to walls	SM	17.5			
	PAINTING AND DECORATION					
	TWO COATS BLACK BITUMASTIC paint on:-					
E	Rendered wall	SM	17.5			
	Total Carried to collection					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	Section No. 2 ELEMENT NO. 1 SUBSTRUCTURE COLLECTION Page B1 Page B2 Page B3 Page B4					
	<p style="text-align: center;">TOTAL AMOUNT FOR SUBSTRUCTURE</p> <p style="text-align: center;">Carried to summary</p>					

item	Description	Unit	Quantity	Rate	Shs	Cts
	Section No. 2 ELEMENT NO. 2					
	REINFORCED CONCRETE SUPERSTRUCTURE					
	CONCRETE WORK					
	VIBRATED REINFORCED CONCRETE CLASS 'C' 20(20) as described in :-					
A	Beams	CM	22.5			
B	Columns	CM	8			
C	Staircases	CM	2			
D	150 mm Thick suspended slab	SM	404			
	STEEL REINFORCEMENT as described					
E	16mm Diameter (nominal) square twisted high tensile bars in any position in superstructure	KG	2,900			
F	10 mm Diameter ditto	KG	3,750			
G	8mm Diameter ditto	KG	2,430			
	EXPANSION JOINT					
H	12 mm Flexcell expansion joint set against sone walling	SM	40.5			
I	12 mm Theoflex sealant in 150 mm surface bed	SM	40.5			
J	FORMWORK to:	SM	450			
K	Sides and soffites of beams	SM	437			
L	Soffites of suspended slab	SM	190			
M	Sides of columns	SM	9			
N	Slopping soffites of stair cases Risers of steps 75 to 150 mm high	LM	40			
	Total Carried to collection					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	<u>SECTION NO.2</u>					
A	Edges of slab 75 to 150 mm high	LM	55			
B	Open string edge of staircases 300mm (extreme) including cutting to profile of tread and risers	LM	17.5			
	Total Carried to collection					

item	Description	Unit	Quantity	Rate	Shs	Cts
	<p>Section No. 2</p> <p>ELEMENT NO.2</p> <p>REINFORCED CONCRETE SUPERSTRUCTURE</p> <p>COLLECTION</p> <p>Page No. B6</p> <p>Page No. B7</p> <p>TOTAL AMOUNT FOR REINFORCED CONCRETE SUPERSTRUCTURE</p> <p>Carried to summary</p>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	Section No. 2 ELEMENT NO.3 WALLING SOLID CONCRETE BLOCK WALLING in cement and sand (1:4) mortar					
A	200 mm walling reinforced as described	SM	360			
B	150 mm walling reinforced concrete as described	SM	683			
C	100 mm walling reinforced concrete as described	SM	37.5			
	DAMP PROOF COURSE IN BITUMEN FELT TO B.S 743 type A with 150 mm laps including cement and sand (1:3) leveling bed					
D	200mm wide	LM	72.5			
E	1500 mm wide	LM	100			
F	100 mm wide	LM	72.5			
	SUNDRIES					
G	Fair raking cutting to 200 mm thick walling	LM	53			
H	Wall vent comprising two lengths of 100mm diameter pvc pipes each 130mm long with splayed cut ends set end to end on rake through 200 mm stone walling with nylon mosquito gauze panel sandwiched between including hole in walling and painting in cement and sand (1:5) mortar	NO	1			
	Total Carried to collection					

Item	Description	Unit	Quantity	Rate	Shs	Cts
A	<p>Section No. 2</p> <p>PRECAST LOUVRE BLOCK WALLING as described each size 390 x200 x 200 mm cranked louver section reinforced with coffee tray wire mesh joints</p> <p>200 mm walling fair faced both sides with neat recessed horizontal joints and flush vertical pointing in cement mortar</p>	LM	47.5			
	Total Carried to collection					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	<u>SECTION NO.2</u>					
	ELEMENT NO. 3					
	WALLING COLLECTION					
	Page B 9					
	Page B 10					
	TOTAL AMOUNT FOR WALLING					
	Carried to summary					

item	Description	Unit	Quantity	Rate	Shs.	Cts
	ELEMENT NO. 4					
	ROOF COVERING AND RAINWATER DISPOSAL					
A	CONCRETE WORK	NO	75			
	SUNDRIES					
	Cut or leave mortice for 12 mm diameter rag bolt and run with cement and sand (1:4) mortar					
B	CORRUGATED OR TROUGHED SHEET ROOFING	LM	280			
	26 Gauge pure aluminium troughed tower metcoppo profile pre-painted sheet roofing 127 mm trough fixing to Zed purlins with 14 gauge drive screws with bituminous felt washer, 150 mm ends laps and one corrugation side laps, slaping not exceeding 45 degree from horizontal	SM	6.5			
	26 Gauge troughed II 4 persex translucent sheet roofing 127 mm trough fixing to Zed purlins with 14 gauge drive screws with bituminous felt washer, 150 mm end laps and one corrugation side laps, sloping not exceeding 45 degrees from horizontal	LM	40			
D						
E	26 Gauge aluminum pre-painted sheet ridge capping 2440mm long X 500mm girth	LM	17			
	18 Gauge aluminium pre-painted sheet valley gutter 2440mm long X 1500mm girth four times bent and dressed under roofing sheets					
	<u>Total Carried to collection</u>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
A	Section No. 2 50 x 150 mm Rafters	LM	225			
B	50 x 150 mm Purlins	LM	250			
C	25 x 200 mm Ridge board	LM	45			
D	50 x 100 mm Wall plate bedded on top of wall and fixed at 900 mm centres with ragbolts (m.s)	LM	100			
E	50 x 100 mm Struts or ties	LM	360			
F	50 x 100 mm King post	LM	10			
G	50 x 150 mm Joist	LM	98			
H	50 x 150 mm Main tie	LM	70			
I	50 x 100 mm Gusset plates, 300 mm long	NO	30			
J	Bore 50 mm Thick timber for 12 mm diameter bolt	NO	225			
	BOARDING					
	WROT CYPRESS, Grade GJ					
K	38 x 225 mm Fascia board fixed to rafters	LM	50			
L	38 x 225 mm Barge board fixed to rafters	LM	20			
	METALWORK					
	MILD STEEL, KS 02-18					
M	12mm Diameter ragbolts 125 mm long ditto	NO	125			
N	16 mm Diameter bolts 175 mm long ditto	NO	100			
O	12 mm Diameter ragbolt, 300 mm long with nut and two washers and fixing	NO	75			
	<u>Total Carried to collection</u>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
A	<u>Section No. 2</u> <u>PAINTING AND DECORATING</u> <u>ONE COAT ALUMINIUM PRIMER, and</u> <u>apply two undercoats and one coat</u> <u>gloss finish on wood work</u> <u>Externally on:-</u> <u>Surface 2000 t0 300 mm girth</u>	LM	70			
	<u>Total Carried to Collection</u>					

Item	Description	Unit	Quantity	Rate	Shs.	Cts
	<u>Section No. 2</u>					
	<p><u>ELEMENT NO. 4</u></p> <p><u>ROOF CONSTRUCTION AND FINISHES</u></p> <p><u>Collection</u></p> <p>Page B12</p> <p>Page B13</p> <p>Page B14</p>					
	<p><u>TOTAL AMOUNT FOR ROOF CONSTRUCTION AND FINISHES</u></p> <p>Carried to Summary</p>					

Item	Description	Unit	Quantity	Rate	Shs.	Cts
	ELEMENT No. 6 INTERNAL FINISHES CARPENTRY					
	STRUCTURAL TIMBERS SAWN TREATED CYPRESS, Grade C					
A	50 x 50 mm Brandering	LM	601			
B	50 x 50 mm Brandering, plugged	LM	299			
	JOINERY FILLETS, BEADS AND GROUNDS					
	WROT CYPRESS, Grade 'GJ' selected pressure impregnated					
C	75 x 75 mm Cornice coved, screwed to grounds	LM	205			
	PAVING AND PLASTERWORK					
	CEMENT AND SANT (1:5) SCREEDS finished to receive floor, wall and ceiling finishes					
D	12 mm Wall screed finished to receive white glazed wall tiles	SM	180			
	<u>COLOURED CEMENT AND SAND (1:4)</u> <u>PAVING screeded to floors</u>					
E	40 mm paving	SM	44.5			
F	20 mm Skirting 100 mm high with square top edge and coved at base at junction with paving	LM	18.5			
	<u>Total Carried to Collection</u>					

Item	Description	Unit	Quantity	Rate	Shs.	Cts
	<u>Section No. 2</u>					
	<u>ELEMENT NO. 5</u>					
	<u>EXTERNAL FINISHES</u>					
	<u>PAVING AND PLASTERWORK</u>					
	<u>TWO COATS EXTERNAL CEMENT</u>					
	<u>render (1:4) as described finished with</u>					
	<u>a wood float</u>					
A	12 mm to walls	SM	450			
B	Fair faced sides of beams	SM	200			
	PAINTING AND DECORATING					
	PREPARE AND APPLY THREE COATS first grade plastic emulsion paint on:-					
C	Rendered walls	SM	450			
D	Fair faced sides of beams	SM	200			
	FOOTPATHS AND PAVED AREAS					
E	Excavate oversite average 150mm deep to remove vegetable top soil and spread and level on site where directed not exceeding 100 metres away	SM	26.5			
F	100 mm approved murrum filling laid to falls and well compacted	SM	26.5			
	PRECAST CONCRETE CLASS 20(15) FINISHED fair on all exposed surfaces including bedding, jointing and pointing in cement and sand (1:4) mortar					
G	50mm paving slabs in 600 x 600 mm panels laid with straight unbroken joints in both directions on and including a 50 mm sand bed	SM	26.5			
	TOTAL AMOUNT FOR EXTERNAL FINISHES Carried to summary					

Item	Description	Unit	Quantity	Rate	Shs	Cts
A	12 mm Thick to chalk board backing with square edges POLISHED TERRAZO, FIRST COAT OF CEMENT AND SAND, second coat of coloured cement and local marble aggregate (1:2½)	SM	56			
B	40 mm paving to floor	SM	572.5			
C	20 mm Skirting 100mm high with square top edge and coved at base at junction with paving	LM	230			
D	12mm Thick to treads, 250mm wide	LM	78			
E	Extra over paving to tread for 25 x 45 mm non-slip carborandum inset, set in finishing, working 40mm two coat finishing to both sides	LM	40			
G	12mm Thick to open string edge of staircase, and short return on soffite 330mm (extreme girth) SUNRIES	LM	20			
H	Extra over paving to tread for 32 x 3 mm Aluminium diving strips INTERNAL LIME PLASTER, FIRST COAT of cement, lime and sand (1:2:9), second coat of cement, lime putty and sand (1:1:6), steel trowelled as described	LM	32			
I	12mm Two coat work to walls	SM	685			
J	12mm Two coat work to soffites	SM	415			
K	12mm Two coat work to slopping soffites of stair cases	SM	16			
	<u>Total Carried to Collection</u>					

Item	Description	Unit	Quantity	Rate	Shs.	Cts
	150 x 150 x 6 mm WHITE GLAZED TILES and bedding and pointing on screed (m.s) and pointing in white cement as described to:-					
A	Walls	SM	180			
	CHIP BOARD, BS 1142, PLAIN lining, V-joint set to pattern, fixed to branderling (m.s) with nails, nails' punched and puttied					
B	12mm Thick ceiling	SM	205.5			
C	Extra over for soft board access panel size 600 x 600 mm	NO	6			
	SUNDRIES					
D	12 mm Thick chipboard size 5850 wide X 1600mm high blackboard	NO	6			
	PAINTING AND DECORATING					
	PREPARE AND APPLY THREE COASTS first grade Plastic Emulsion paint on:-					
	Internally on:-					
E	Steel strowelled plastered walls	SM	685			
F	Chip board soffites	SM	205.5			
	PREPARE AND APPLY THREE COASTS first grade Tartaruga paint on:-					
G	Steel trowelled plastered soffites	SM	415			
H	Steel trowelled plastered sloping soffites	SM	32			
	PREPARE AND APPLY THREE COATS first grade permanent long lasting exterior paint on:-					
I	Chip board blackboard	SM	56			
	<u>Total Carried to Collection</u>					

Item	<u>Description</u>	Unit	Quantity	Rate	Shs	cts
	<p><u>Section No. 2</u></p> <p>ELEMENT NO. 6</p> <p>INTERNAL FINISHES</p> <p>COLLECTION</p> <p>Page B16 Page B18 Page B19</p> <p>TOTAL AMOUNT FOR INTERNAL FINISHES <u>Carried to Summary</u></p>					

item	Description	Unit	Quantity	Rate	Shs.	Cts
	<u>Section No. 2</u>					
	ELEMENT No.7 BALUSTRADES					
	The following in walkway balustrades					
	JOINERY					
	FILLETS, BEADS AND GROUNDS					
	WROT MAHOGANY, Grade 'F' selected					
A	HAND RAILS	LM	76			
	38 X 150 mm Hand rail with two labour, counter sunk, flush peleted and screw					
B	Extra over for:	NO	6			
C	Finished end	NO	6			
	Junction					
	The following in staircase balustrades					
D	METALWORK	LM	16			
	MILD STEEL, KS 02-18					
E	50 X 50 X 3mm square hollow section handrail welded	NO	75			
F	25 x 50 x 3mm Rectangular hollow section baluster 960mm long, one end split and set in mortice	NO	272			
G	25 x 25 x 1.5 mm Square hollow section intermediate baluster 700mm long, one end split and set in mortice	NO	16			
	25 x 25 x 1.5 mm Square hollow section mid rails welded to balusters					
	<u>Total Carried to Collection</u>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	Section No. 2					
A	25 x 25 x 1.5 mm Square hollow section bottom rails welded to balusters	NO	16			
B	25 x 25 x 1.5mm Square hollow section intermediate baluster 750mm long, one end welded to mid rail and other to handrail	NO	60			
C	SUNDRIES Make hole in concrete or stone 125mm deep and build in end of balusters, grout and make good	NO	120			
	Extra over hollow sections for:-					
D	50 x 50mm end caps	NO	60			
E	Splay cutting to 50 x 50 x 3mm Square hollow section	NO	120			
F	Cranked bend to 50 x 50 x 3mm Square hollow section	NO	4			
	PAINTING AND DECORATING					
	ONE COAT ETCHING PRIMER, twp undercoats and one coat oil paint full gloss finish on metalwork					
	Externally on:-					
G	General surfaces	SM	62.5			
	<u>Total Carried to Collection</u>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	<p><u>Section No. 2</u></p> <p><u>ELEMENT NO. 7</u></p> <p><u>BALUSTRADES</u></p> <p><u>COLLECTION</u></p> <p><u>Page B21</u></p> <p><u>Page B22</u></p> <p><u>Total amount for balustrades</u> <u>Carried to summary</u></p>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	<u>Section No. 2</u> ELEMENT NO.8 WINDOWS CONCRETE WORK PRECAST CONCRETE CLASS 20(15) mix (1:2:4) as described finished fair on all exposed surfaces <u>75 x 250mm Cil, once weathered and throated and bedded on walling in cement and sand (1 : 4) mortar</u>					
A	<u>75 x 250mm Cil, once weathered and throated and bedded on walling in cement and sand (1 : 4) mortar</u>	LM	7.5			
	<u>JOINERY AND IRONMONGERY</u> <u>JOINERY</u> <u>FRAMES, etc</u> <u>WROT CYPRESS, Grade GJ</u> 15 x 25MM Bearers, plugged					
B	15 x 20 mm Bearers, plugged	LM	7.5			
		LM	7.5			
C	25 x 140mm Window board, plugging and countersinking	LM	7.5			
	<u>WROT CAMPHOR, Grade 'F' selected</u> Pelmet consisting of 25 x 150mm front with our labours and 25 x 150mm top with one labour, complete with returned ends					
D						
	<u>JOINERY</u> <u>Frames, etc</u> <u>Frames, etc</u> <u>WROT CYPRESS, Grade GJ</u>					
E	50 x 100mm frame, two labours, plugged	LM	60			
	<u>Total Carried to Collection</u>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	<u>Section No. 2</u>					
A	38 x 50 mm Architrave	LM	60			
B	25mm Quadrant beading	LM	60			
	<u>IRONMONGERY</u> <u>Supply and fix the following adjustable</u> <u>anodized aluminium louvre jambs</u> <u>complete with 100mm louvre clips,</u> <u>fixing and screws</u>					
C	Set of six blade jambs 900mm high	NO	5			
D	Set of ten blade jambs 1200mm high	NO	20			
	METALWORK					
E	PURPOSE MADE WINDOWS, STANDARD STEEL SECTIONS FOR GLAZING with putty, permanent ventilation comprising 'T' bar, hood and gauze, standard mullions, stays and fasteners, one coat red oxide etching primer	NO	38			
F	Window size 1400 x 1400mm high comprising 2No. equal fixed light each size 400 x 500 mm high, 1No. fixed light size 400 x 800 mm high, 2No. top hug fan light each size 400 x 300 mm, cutting and pinning to blockwork, fixing head and cill with screws, plugging (W2)	NO	5.5			
	<u>Total Carried to Collection</u>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
A	<u>Selection No. 2</u> Window size 1000 x 1400mm high comprising three fixed light size 600 x 500 mm high cutting and pinning to blockwork, fixing head and cill with screws, plugging (W3)	NO	0.5			
B	Window size 850 x 1400mm high comprising 2No. equal fixed light each size 400 x 500mm high, 1No. fixed light size 400 x 800mm high, 2No. top hung fan light each size 400 x 300mm, cutting and pinning to blockwork, fixing head and cill with screws, plugging (W4)	NO	1			
C	Window size 800 x 1400mm high comprising three fixed light size 600 x 500mm high, cutting and pinning to blockwork, fixing head and cill with screws, plugging	NO	0.5			
D	Window size 550 x 1400mm high comprising 2No. equal fixed light each size 400 x 500mm high, 1No. fixed light size 400 x 800mm high, 2No. top hung fan light each size 400 x 300mm, cutting and pinning to blockwork, fixing head and cill with screws, plugging (W6)	NO	0.5			
E	Window size 1100 x 1480mm high comprising 2No. equal fixed light each size 400 x 500 mm high, 1No. fixed light size 400 x 800 mm high, 2No. top hung fan light each size 400 x 300mm, cutting and pinning to blockwork, fixing head and cil with screws, plugging (W7)	NO	20			
F	Window size 900 x 800mm high comprising 2No. equal fixed light each size 400 x 500mm high, 1No. fixed light size 400 x 800mm high, 2No. top hung fan light each size 400 x 300mm, cutting and pinning to blockwork, fixing head and cill with screws,plugging (W7)	NO	5			
	<u>Total Carried to Collection</u>					

item	Description	Unit	Quantity	Rate	Shs.	Cts
	<u>Section No. 2</u>					
	<u>MILD STEEL, KS 2-18</u>					
A	Burglar proofing grille to suit opening size 1100 x 1400 mm high composed of 20 mm diameter x 3 mm thick steel tubes framing all round and middle rail, infilled with 15mm diameter solid vertical bars at 125mm centres, all joints welded including all necessary hanging to wall and priming with red oxide	NO	3			
B	Ditto size 850 x 1400 mm high ditto	NO	1.5			
	GLAZING					
	5mm CLEAR GLASS LOUVRE BLADES as described					
C	5mm clear sheet glass louvre blades 150mm wide with ground edges set in louvre clips (1458NO.)	LM	60			
	5mm OBSCURE GLASS and glazing as described					
D	To metal casement in panes 0.10 to 0.50 square meters	SM	20			
	PAINTING AND DECORATING					
	One coat etching primer: two undercoats and one coat oil paint full gloss finish on metal work					
	Internally on:-					
E	Metal windows	SM	108			
	Externally on:-					
F	Metal windows	SM	108			
G	Burglar proofing grille (measured overall both sides)	SM	20			
	<u>Total Carried to Collection</u>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	<u>Section No. 2</u>					
	<u>ONE COAST ALUMINIUM PRIMER to woodwork before fixing</u>					
A	Surfaces not exceeding 100mm girth	LM	60			
B	Surfaces 150 to 200 mm girth	LM	120			
	ONE COAT ALUMINIUM PRIMER, and apply two undercoats and one coat gloss finish on woodwork					
	Internally on:-					
C	Surfaces not exceeding 200 to 300mm girth	LM	60			
	<u>Total Carried to Collection</u>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	<p>Section No. 2</p> <p style="text-align: center;">ELEMENT NO. 8</p> <p style="text-align: center;">WINDOWS</p> <p style="text-align: center;">COLLECTION</p> <p style="text-align: center;">Page B24 Page B25 Page B26 Page B27 Page B28</p> <p style="text-align: center;">TOTAL AMOUNT FOR WINDOWS Carried to summary</p>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	Section No. 2 ELEMENT NO. 9 DOORS JOINERY AND IRONMONGERY JOINERY SOLID CORE FLUSH DOORS FACED both sides with interior quality plywood facing with hardwood edge lipping all round					
A	45mm Thick door size 900 x 1800mm high D4	NO	0.5			
B	45mm Thick door size 800 x 2050mm high D5 WROT CAMPHOR, Grade 'F' selected	NO	9			
C	50mm Thick paneled door size 1400 x 2050mm high consisting of 50 x 100mm top rail, 50 x 200 mm bottom rail, 50 x 100mm middle rail with 2No. panels size 600 x 900mm filled with 50 x 100 mm wide tongued and grooved V-jointed vertical boarding one side faces with 5mm plywood one side D1	NO	0.5			
D	50mm Thick paneled door size 1200 x 2050mm high consisting of 50 x 100 mm top rail, 50 x 200mm bottom rail, 50 x 100mm middle rail with 2No. panels size 600 x 900mm filled with 50 x 100mm wide tongued and grooved V-jointed vertical boarding one side faced with 5 mm plywood one side D2 FRAMES, etc WROT CAMPHOR, Grade 'F' selected	NO	5.5			
E	50 x 100 mm Frame, two labours, plugged	LM	32			
	<u>Total Carried to Collection</u>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
A	<u>Section No. 2</u> 25mm Quadrant beading	LM	32			
B	38 x 50 mm Architrave	LM	32			
C	WROT CYPRESS, Grade GJ 50 x 100mm Frame, two labours, plugged	LM	66.5			
D	50 x 100mm Transome, two labours, plugged	LM	7.5			
E	15 x 25mm Glazing bead	LM	52			
F	38 x 50 mm Architrave	LM	66.5			
	IRON MONGERY Supply and fix the following ironmongery Locks and furniture where application are to be equal to those manufactured by "UNION" and in all cases must be approved by the Architect					
H	100 mm Brass butt hinges	PRS	30			
I	2-lever mortice lock and set of lever handle furniture	NO	19			
J	3 –Lever mortice lock and set of lever handle furniture	NO	1			
K	Rubber door stop plugged to floor	NO	20			
L	Pressed steel indicator ref: 8094 bolt					
	GLAZING <u>4MM CLEAR SHEET GLASS and glazing as described</u>	NO	14			
	<u>Total Carried to Collection</u>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
A	Section No. 2 To wood casement in panes 0.10 to 0.50 square metres	SM	3.5			
B	Wash leather glazing strip	LM	7.5			
	PAINTING AND DECORATING					
	ONE COAT ALUMINIUM PRIMER to woodwork before fixing					
	Internally on:-					
C	Surfaces not exceeding 100mm girth	LM	133			
D	Surfaces 100 to 200 mm girth	LM	66.5			
	ONE COAT ALUMINIUM PRIMER, and apply two undercoats and one coat gloss finish on woodwork					
	Internally on:-					
E	Surfaces not exceeding 100mm girth	LM	133			
F	Surfaces 200 to 300 mm girth	LM	66.5			
G	General Surfaces PREPARE AND APPLY THREE COATS polyrathane in accordance with the manufacturer's instructions on woodwork	SM	77			
	Internally on:-					
H	Surfaces not exceeding 100mm girth	LM	32			
I	Surfaces not exceeding 200 t 300mm girth	LM	32			
J	General Surfaces	SM	6.5			
	<u>Total Carried to Collection</u>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	<p>Section No. 2</p> <p>ELEMENT NO.9</p> <p>DOORS</p> <p>COLLECTION</p> <p>Page B30</p> <p>Page B31</p> <p>Page B32</p> <p>TOTAL AMOUNT FOR DOORS Carried to summary</p>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	Section No. 2					
	ELEMENT NO.10					
	Plumbing and internal drainage installation					
	Note: The work under this element is to be carried out by an approved plumbing and drainage sub-contractor					
	SANITARY FITTINGS					
	Walls urinals					
A	Bowl urinal as 'Twyfords: Cat. No. 13001 3No bowls fixed in a range with 2No. partition wall hangers ref. Cat 1380, automatic 18 litres ref. Cat 2617with sypron, 13mm drip tap concealed wall hangers, chrome plated13mm flush pipes with spreades and clips ref. Cat 1632, 32mm outlet gratings and traps	NO	1.5			
B	Bowl wall urinal Ditto but with 5No. bowls fixed in a range with 4No. partitions including 27 litres automatic cistern	NO	0.5			
	Water closets					
C	Thyroids the "CLASSIC" WC suite to Cat. No. 10003 in vitreous china comprising basic 'P' trap to Cat No. 11003, 9 litre cistern to Cat. No. 12030, velveless fittings with plastic siphon and flush bend cistern support to Cat. No. 50219 and ceramic cover and seat to Cat No. 50302	NO	9			
	<u>Total Carried to Collection</u>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	Section No. 2					
	Wash hand basin					
A	"CLASSIC" wash hand basin with two tapholes and chain stay hole to cat. No. CC421WA, brackets to cat. No. SR1005Xx, Amazon chrome plated pillar handles AM5800CP, chrome plated chain waste 1 1/4" WF4330CO	NO	3			
	Splash Taps					
B	"Bricon" heavy-duty polished brass, horse bibcock with 3/4" hose union	NO	1			
	Toilet roll Holders					
C	Locally made ceramic recessed toilet roll holder 150 x 150mm	NO	9			
	Soap Dishes					
D	Locally made ceramic recessed soap dish 150 x 150 mm	NO	3			
	Towel rail					
E	Chromium plated towel rail 610 x 20mm diameter	NO	3			
	Mirrors					
F	610 x 455 x 5mm thick mirror with chromium plated domed screws	NO	3			
	INTERNAL PLUMBING					
	GLAVANISED MILD STEEL PIPEWORK CLASS 'B'					
G	25mm diameter tubing					
H	20mm Diameter ditto					
	<u>Total Carried to Collection</u>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	Section No. 2					
	Extra Over for:					
A	20mm Diameter Elbow	NO	7			
B	20mm equal tee	NO	3			
C	25 x 25 x 20mm Diameter unequal tee	NO	5			
D	20 x 20 x 15mm Diameter unequal tee	NO	30.5			
E	25x20x20mm Diameter unequal tee	NO	2			
F	25mm Plugs	NO	1			
G	20mm Plugs	NO	6.5			
	Gate valves					
H	25mm Diameter fullway gate valves conforming to BS 5154 as Pegler or equal and approved	NO	2			
I	20mm Ditto	NO	1			
	Water storage tank					
J	Galvanized mild steel tank in conformity to BS 417: Part 2 of capacity 200 gallons (900 litres complete with:- 20mm dia ball valve, 20mm dia inlet connection and 32mm dia. Overflow connection complete with warning pipe as necessary	NO	2			
	Copper connections					
K	15mm Diameter copper tubing 300mm	NO	9			
	<u>Total Carried to Collection</u>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	Section No. 2					
	Valve Chambers					
A	100mm Diameter cast iron trapped gully with 150 x 150mm cast iron surrounding with concrete class E, 150mm thick all round and join to drain pipe	NO	1			
	Water Meter Chambers					
B	800 x 450mm (internally) water meter boxes 300mm deep and consisting of 100mm thick concrete (1:3:6) base slab, 100mm thick solid concrete walling rendered internally with 12mm thick cement/sand screed, walls rebated 50mm x 50mm to take in a precast concrete top cover rebated by same length of edges to sit in walling, complete with 6mm diameter U shaped m.s wire lifting lugs cast into cover including excavation	NO	0.5			
	Testing					
C	Allow for testing the whole water supply while in progress and on completion to the satisfaction of the Engineer and Local Authority	ITEM				
	Sterilization					
D	Allow for sterilization of the cold water system	ITEM				
	INTERNAL DRAINAGE					
	MuPVC Waste pipework					
E	200.125.40 waste pipe	LM	17.5			
F	200.15.40 ditto	LM	9.5			
G	100.4.40 soil Pipe	LM	27			
	<u>Total Carried to Collection</u>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	Section No. 2					
	Accessories					
A	201.125.91 Sweep bend	NO	10			
B	201.15.91 Ditto	NO	5			
C	204.125.91 Sweep Tee	NO	9			
D	204.15.91 Sweep Tee	NO	3			
E	224.15.125 Reducer	NO	3			
F	201.125.91 Connecting bend	NO	9			
G	117.4 Rodding eve	NO	9			
I	117.15 Ditto	NO	0.5			
	Extra over UPV Pipework for the following					
J	117.15.90 Branch Boss Adaptor bend	NO	1			
K	131.4 Weathing Apron	NO	1			
L	149.18.22 Weathering slate	NO	1			
M	150.4 Vent Cowl	NO	1			
	UPV Buried Drain pipework and fittings to BS 4660					
N	1800.4.60 Buried Drain Pipe	LM	30			
	Accessories					
G	1805.4.487 long radius bend	NO	9			
H	1849.4 S-trap	NO	1			
I	1807.4.025 variable bend	NO	1			
	Total Carried to Collection					

Item	Description	Unit	Quantity	Rate	Shs	Cts
A	Section No. 2 Testing Allow for testing the whole of drainage works while in progress and on completion to the satisfaction of the Engineer and Local Authority	NO	2			
	<u>Total Carried to Collection</u>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
A	Section No. 2 ELEMENT NO.10 PLUMBING AND INTERNAL DRAINAGE COLLECTION Page B34 Page B35 Page B36 Page B37 Page B38 Page B39 TOTAL AMOUNT FOR PLUMBING AND INTERNAL DRAINAGE Carried to summary	NO	2			

Item	Description	Unit	Quantity	Rate	Shs	Cts
	ELEMENT NO. 11					
	ELECTRICAL INSTALLATION					
	Note: The work under this element is to be carried out by an approved electrical sub-contractor					
A	Supply and install all lighting points complete with conduit, wiring and switch	NO	25.5			
	Supply and install the following types of lighting fittings:-					
B	Ceiling rose and lampholder as volex cat. No.V216W	NO	18			
C	1500mm fluorescent batten fitting as thorn PPB 65	NO	11			
D	Supply and install 13amp twin cocket outlet flush on the walls complete with conduits and wiring	NO	16.5			
E	Supply and install 13 amp single cocket outlet flush on the walls complete with conduits and wiring	NO	5.5			
F	Supply and install 6 way S.P. & N consumer's unit complete with MCBs	NO	0.5			
G	Supply and install 2 x 16mm PVC cables to the consumer's unit from member board	LM	50			
H	Supply and install 32mm Ø conduit to the consumer's unit complete with MCBs	LM	50			
	Total Carried to Collection					

Item	Description	Unit	Quantity	Rate	Shs	Cts
A	Supply and install the member board (1x6)m ² complete with 4x60A DP switches incoming conduit for K P & L main cable	NO	0.5			
B	Supply and install the earthing system complete with earth electrode, inspection manhole and earthing lead	ITEM				
C	Supply and install the lighting arrestors system complete with earth electrode	ITEM				
D	Any other item to complete installation Builder's work in connection with electrical installation including cutting chases and holes and holes in block wall or reinforced concrete and making good					
E	Socket outlet	NO	22			
F	Light point	NO	25.5			
G	Consumer unit	NO	0.5			
H	Meter board Testing	NO	0.5			
I	Allow for testing the whole of electrical installation the approval of the Engineer and KP & LC requirements	ITEM				
	<u>Total Carried to Collection</u>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	<p style="text-align: center;"> ELEMENT NO. 11 ELECTRICAL INSTALLATIONS COLLECTION Page B42 Page B42 TOTAL AMOUNT FOR ELECTRICAL INSTALLATIONS Carried to Summary </p>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	Section no. 2					
	<u>PROPOSED 5.NO CLASSROOMS, ADMINISTRATIOn AND ABLUTION BLOCKS AT KIWANJANI PRIMARY SCHOOL IN ISIOLO</u>					
	<u>SUMMARY</u>					
1	SUBSTRUCTURE					
2	R.C SUPERSTRUCTURE					
3	WALLING					
4	ROOF COVERING AND RAIN WATER DISPOSAL					
5	EXTERNAL FINISHES					
6	INTERNAL FINISHES					
7	BALUSTRADES					
8	WINDOWS					
9	DOORS					
10	PLUMBING AND INTERNAL DRAINAGE					
11	ELECTRICAL INSTALLATION					
	PROPOSED 5. CLASSROOMS ADMINISTRATIVE OFFICES AND SANITARY FACILITIES AT KIWANJANI PRIMARY SCHOOL IN ISIOLO					
	Total carried to main summary					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	Section No.3					
	<u>SECTION NO. 3</u>					
	<u>PROVISIONAL AND PRIME COST SUMS</u>					
	<u>PROVISIONAL SUMS</u>					
	The following provisional sums are for works to be executed by the Main contractor and are to be expended with the express instructions of the project Manager and re to be measured upon completion and priced in accordance with Clause 13 of the Conditions of Contract					
A	Fluctuation in prices of labour and materials	SUM				
B	External Electrical reticulation	SUM				
C	External Water reticulation	SUM				
D	Foul Drainage	SUM				
E	Landscaping	SUM				
F	Storm water Drainage	SUM				
G	Contingencies	SUM				
	The following Prime Cost Sums are for work to be executed by Nominated Subcontractors					
	The following Prime Cost Sum are for work to be executed by Local Authority or Public undertaking					
H	Kenya Power and Lighting Company connection charges	SUM				
I	Add for profit					
J	Add for attendance					
	<u>Total Carried to Collection</u>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	Section No.3					
A	Water and Sewerage company connection charges	SUM				
B	Add for profit					
C	Add for attendance	SUM				
	Carried to collection					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	Section No.3					
	<u>SECTRION NO. 3</u>	SUM				
	<u>PROVISIONAL SUMS</u>					
	<u>COLLECTION</u>					
	PAGE B45	SUM				
	Page B46					
	TOTAL AMOUNT FOR PROVISIONAL AND PRIME COST SUMS Carried To Main Summary					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	Section No.4					
	<u>SECTRION NO. 4</u>	SUM				
	<u>DAY WORKS</u>					
	<u>(ALL PROVISIONAL)</u>					
	The following will only apply to Day works authorized in writing and carried out in accordance with clause 11(4) of the Conditions of Contract	SUM				
	LABOUR					
	The Contractor is to insert inclusive rates for the following classes of operatives and to includes:-					
A	(i)The hourly wage rates paid to workmen working with their gangs, inclusive of allowances, such as holidays with pay, annual leave, travelling allowance, sick leave, mean and accommodation allowance, public holidays					
B	(ii)Incentive and bonus payments, transport of labour to and from site, use and maintenance of ordinary hand tools and equipment, scaffolding, tarpaulins, protective clothing and the like and					
C	(iii)Insurance, site superintendence (including foremen), water supply, artificial lighting, head office and other overheads, establishment charges and profit and all other liabilities and obligations LABOUR					
D	Tradesmen – Learner					
	<u>Total Carried to Collection</u>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
	Section No.4					
A	Tradesmen – Ungraded	HR	20			
B	Tradesmen – Grade III – Trade tested	HR	20			
C	Tradesmen – Grade II - tested	HR	20			
D	Tradesmen – Grade I – Trade tested	HR	20			
E	Light plant operator – CLASS 1	HR	20			
F	Light plant operator – Class 2	HR	20			
G	Heavy plant operator	HR	20			
H	Vehicle driver – under 5 tons	HR	20			
I	Vehicle driver – 5 to 8 tons	HR	20			
J	<p style="text-align: center;">MATERIALS</p> <p>The net cost of materials given hereunder shall mean the approved invoiced cost including sales tax and delivery to site after deductions of trade discounts exceeding 2.50% cash discounts of 2.50% and less to be retained by the contractor</p> <p>Where materials are supplied ex-Contractor’s stock, they shall be valued at current market prices plus justifiable handling and delivery to side charges</p> <p>For materials which are used in the works but do not remain part there of (eg formwork), 50% of their cost will be allowed for use and waste</p> <p>The percentage addition shown hereafter, and to be completed by the tenderer, will be deemed to cover insurances, overheads, head office expenses, site staff and establishment charges, profit and all other liabilities and obligations whatsoever</p> <p><u>Total Carried to Collection</u></p>					

Item	Description	Unit	Quantity	Rate	Shs	Cts
A	Section No.4 Provide a Provisional Sum of Kshs.150,000.00 for the net cost of materials delivered to site					
B	Add percentage addition to cover insurance etc as before described					
	PLANT					
	The net high charge of plant (such as mixers, dampers, rollers, tractors, compressor, graders and the like), shall mean the approved invoiced cost including delivery and removal from site after the deduction of trade discounts and cash discounts exceed					
	Where such plant is supplied by the Contractor, the net high charge will be at current market prices					
C	Provide a Provisional Sum of Kshs.150,000.00 for the net hire of plant charges					
D	Add percentage addition to cover fuel etc, as before described					
	<u>Total Carried to Collection Below</u>					
	SECTION NO. 6 DAYWORKS COLLECTION					
	Page B48					
	Page B49					
	Page B50					
	TOTAL AMOUNT FOR DAYWORKS – Carried to main summary					

Section No.	Description	Page No.	Shs.	Cts
1	<p>PROPOSED 5 CLASSROOMS, ADMINISTRATIVE OFFICES AND SANITARY FACILITIES AT KIWANJANI PRIMARY SCHOOL IN ISIOLO</p> <p>MAIN SUMMARY</p> <p>PRELIMINARIES</p>	PAGE 57		
2	5NO. CLASSROOMS, ADMINISTRATIVE OFFICES AND SANITARY FACILITIES	PAGE B46		
3	PROVISIONAL AND PRIME COST SUMS	PAGE B47		
4	DAYWORKS	PAGE B50		
6	<p>TOTAL AMOUNT CARRIED TO FORM TO TENDER</p> <p>Note</p> <p>If by reason of obvious errors in this totaling, extension of calculations and / or any sum added or deducted by the Tenderers, the correct total of the Bills of Quantities differs from the tender prices, such difference will be calculated as a % of the excluding preliminaries and PC and provisional sums. Should such percentage (addition or deduction) exceed 0.25% it will be applied to all rates and prices used in pricing variations</p>			
	<p>CONTRACTOR:</p> <p>SIGNED:</p> <p>ADDRESS:</p> <p>WITNESS: ADDRESS:</p> <p>SIGNED:</p> <p>DESIGNATION: DATE:</p>			