

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<p align="center"><b>CONSTRUCTION OF 4NO. CLASSROOM LUTHER PRIMARY SCHOOL ELEMENT NO.1</b></p> <p><b>SUBSTRUCTURES ALL PROVISIONAL</b></p> <p><b>NOTE;</b> All work measured under this element is upto and including the floorslab but excluding the finishes thereon:-</p>				
<b>A</b>	Clear the site of all bush scrub undergrowth and small trees grub up roots and cart away or burn all arising	330	SM		
<b>B</b>	Excavate oversite average 250mm deep to remove vegetable soil load up wheel and cart away.	81	CM		
<b>C</b>	Excavate for strip foundation trenches occuring not exceeding 1.5metres deep commencing from reduced level	97	CM		
<b>D</b>	Allow for keeping excavations free from mud and all water including spring and running water by pumping pailing or other approved means.		ITEM		
<b>E</b>	Allow for planking and strutting to sides of excavations		ITEM		
<b>F</b>	<b>Disposal</b> Load surplus excavated material and cart away from site	89	CM		
<b>Carried to collection</b>					

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
<b>A</b>	<b>Filling</b> Return fill in and ram selected excavated material around foundations.	55	CM		
<b>B</b>	<b>Hardcore as described</b> Approved hardcore filling including levelling consolidating and/or hand packing on blinding(m.s)	324	SM		
<b>C</b>	<b>Blinding</b> 50mm Thick layer murrum or other equal and approved blinding to the surface of hardcore;rolled smooth to receive polythene sheeting(m.s)	324	SM		
<b>D</b>	<b>Insecticide treatment</b> <b>'TERMIDOR" or other equal and approved</b> chemical insecticide treatment prepared and applied according to the manufacturer's printed instructions.	324	SM		
<b>E</b>	<b>Damp proof membrane</b> 500 Gauge polythene or other equal and approved plastic sheet damp proof membrane laid over blinding(measured nett - allow for laps)	324	SM		
<b>Carried to collection</b>					

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<b>In-situ concrete work</b> <b>Mass concrete (1:4:8/38-38mm aggregate)</b>				
A	50mm Thick blinding under foundations	68	SM		
	<b>Vibrated reinforced concrete</b> <b>(1:2:4/20-20mm) aggregate as described</b> <b>in:</b>				
B	Strip foundations	14	CM		
C	100mm Thick floor slab	324	SM		
	<b>Steel reinforcement</b>				
	<b>Supply and fix bar/rod reinforcement</b> <b>including bending hooks tyingwire cutting</b> <b>spacers and supporting all in position as</b> <b>described.</b>				
	<b>High tensile square twisted bars to</b> <b>B.S.4461</b>				
D	10 mm diameter	297	KG.		
E	8 mm diameter	267	KG.		
	<b>Mesh reinforcement</b>				
F	Fabric mesh reinforcement to B.S. 4483 ref: A65 including laps tyingwire and spacer blocks complete(measured nett-allow for laps)	324	SM		
	<b>Sawn formwork as described to:</b>				
G	Vertical sides of foundations	168	SM		
H	Edges of floor slab 75-150mm high	88	LM		
<b>Carried to collection</b>					

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
<b>A</b>	<b>Foundation walling</b> 200mm Thick Natural Stone walling bedded and jointed in cement and sand (1:3) mortar and reinforced with and including 20swg x 25mm wide hoopiron in every alternate course	184	SM		
<b>B.</b>	Extra over external walling for attached piers size 400 x 200 x 1000mm high in natural coursed stone walling as before described	24	NO		
	<b>Plinth area finishes</b>				
<b>C</b>	12mm Thick cement and sand (1:3) wood float render to plinth area	37	SM		
<b>D</b>	Prepare and apply three coats black bitumastic paint to rendered area	37	SM		
<i>Carried to collection</i>					

COLLECTION			
	Brought forward from page	KPS/ 1	
	Brought forward from page	KPS/ 2	
	Brought forward from page	KPS/ 3	
	Brought down from page	KPS/ 4	
<b>TOTAL FOR ELEMENT NO. 1 SUBSTRUCTURES CARRIED TO SUMMARY</b>			

KPS/ 4

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
<p><b>ELEMENT NO.2</b></p> <p><b>R.C. FRAME &amp; STEEL FRAMES</b></p> <p><b>Vibrated reinforced concrete (1: 2:4/20 - 20mm aggregate ) as described in:-</b></p> <p><b>A.</b> Ringbeam/beams</p> <p><b>Steel reinforcement</b></p> <p><b>Supply and fix steel bar/rod reinforcement including bending hooks tyingwire cutting spacer blocks and supporting all in position</b></p> <p><b>High tensile square twisted bars to B.S. 4461 as described in ;</b></p> <p><b>B</b> 12 mm diameter</p> <p><b>C</b> 8 mm diameter</p> <p><b>Sawn formwork as described to:</b></p> <p><b>D.</b> Sides and soffites of beams</p>		<p>7</p> <p>472</p> <p>286</p> <p>135</p>	<p>CM</p> <p>KG.</p> <p>KG.</p> <p>SM</p>		
<b>Carried to collection</b>					

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
A.	100 x 50 x 6mm Thick mild steel angles welded to plates	12	NO		
	<b>Painting</b>				
B.	Prepare and apply one coat of red oxide primer before transporting to site and another on site to general surfaces of steel columns surfaces including preparing and applying two coats gloss oil paint	12	NO		
<i>Carried to collection</i>					

COLLECTION		
Brought forward from page	KPS/ 5	
Brought down from page	KPS/ 6	
<b>TOTAL FOR ELEMENT NO. 2 R.C. FRAME/STEEL FRAME CARRIED TO SUMMARY</b>		

KPS/ 6

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<b>ELEMENT NO. 3</b>				
	<b>EXTERNAL WALLING</b>				
	<b>Approved Natural Stone walling bedded and jointed in cement and sand (1:3) mortar with recessed joints as described in:-</b>				
<b>A.</b>	200mm Thick reinforced with and including 20swg x 25mm wide hoopiron in every third course	345	SM		
<b>B.</b>	Extra over external walling for attached stone piers size 400 x 200 x 2800mm high in natural coursed stone walling as before described	20	NO		
<b>C.</b>	Extra over walling for eaves closing	87	LM		
	<b>Horizontal damp proof course ; one layer of 3 - ply bituminous felt or other equal and approved (measured nett - allow for laps)</b>				
<b>D.</b>	200mm Wide levelled and bedded in cement and sand (1:3) mortar under walls	87	LM		
<b>Carried to collection below</b>					

COLLECTION		
	KPS/ 7	Above
Brought down from page		
<b>TOTAL FOR ELEMENT NO.3</b>		
<b>EXTERNAL WALLING</b>		
<b>CARRIED TO SUMMARY</b>		

KPS/ 7

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<b>ELEMENT NO. 4</b>				
	<b>INTERNAL WALLING</b>				
	<b>Approved Natural Stone walling bedded and jointed in cement and sand (1:3) mortar with recessed joints as described in:-</b>				
<b>A.</b>	200mm Thick reinforced with and including 20swg x 25mm wide hoopiron in every third course	79	SM		
	<b>Horizontal damp proof course ; one layer of 3 - ply bituminous felt or other equal and approved (measured nett - allow for laps)</b>				
<b>B.</b>	200mm Wide levelled and bedded in cement and sand (1:3) mortar under walls	23	LM		
<i>Carried to collection below</i>					

COLLECTION			
Brought down from page	KPS/ 8	Above	
<b>TOTAL FOR ELEMENT NO.4</b>			
<b>INTERNAL WALLING</b>			
<b>CARRIED TO SUMMARY</b>			

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<p><b>PROPOSED CONSTRUCTION OF 4NO. CLASSROOMS</b></p> <p><b>ELEMENT NO.1</b></p> <p><b>ROOFING</b> <b>Construction</b></p> <p><b>All timber to be sawn cypress of G.S. grade seasoned to an equilibrium moisture content of between 9% and 15% and to the requirement of K.S. 02 771 of 1991 treated with approved wood preservative</b></p> <p><b>A.</b> 100 x 50mm Wall plate on and including 10mm cement and sand (1:4) mortar bed secured to reinforced concrete ringbeam(m.s.) by black mild steel anchor bolts (m.s.)</p> <p><b>The following in 16 No. Nailed timber trusses spanning clear 5200mm (average) height 1350mm including hoisting and placing 3000mm above floor slab level</b></p> <p><b>B.</b> 100 x 50mm Trussed rafter</p> <p><b>C.</b> 100 x 50mm Tie beam</p> <p><b>D.</b> 100 x 50mm Strut/tie</p>	<p>124</p> <p>348</p> <p>270</p> <p>423</p>	<p>LM</p> <p>LM</p> <p>LM</p> <p>LM</p>		
	<b>Carried to collection</b>				

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<b>Independent members</b>				
A	75x 50mm purlins	413	LM		
	<b>Covering</b>				
B	<b>Gauge 30"GCI"</b> Pre-painted (Maisha blue) sheet roofing fixed on purlins(m.s.)	441	SM		
C	<b>Gauge 30</b> Ridge capping to match covering	37	LM		
	<b>Wrot cypress</b>				
D	25 x 225mm Fascia board fixed to end of rafters(m.s)	134	LM		
	<b>Painting</b>				
	<b>Prime only back of wood before fixing</b>				
E	Surfaces 100-200mm girth	134	LM		
	<b>Knot prime stop and apply one under coat and two finishing coats gloss oil paint to;</b>				
F	General surfaces of wood 200 - 300mm girth	134	LM		
<b>Carried to collection</b>					

	<b>COLLECTION</b>	
	Brought forward from page	KPS/ 9
	Brought forward from page	KPS/ 10
	<b>TOTAL FOR ELEMENT NO.5</b>	
	<b>ROOFING AND RAINWATER WATER GOODS</b>	
	<b>CARRIED TO SUMMARY</b>	

KPS/ 11

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
<p><b>ELEMENT NO. 6</b></p> <p><b>WINDOWS</b> Supply and fix the following purpose made welded mild steel casement windows comprising of one inch z section framing, T sections</p> <p><b>A.</b> Window overall size 2000mmx1500mm high</p> <p><b>Glazing</b></p> <p><b>5mm thick clear sheet glass in metal putty in;-</b></p> <p><b>B</b> Panes exceeding 0.1 sq m but not exceeding 1.50 sq m</p> <p><b>Window Cill</b></p> <p><b>C</b> Ex. 250 x 75mm Thick precast concrete window cill weathered and throated, reinforced as necessary , finished fair faced including hoisting and bedding in cement and sand (1:3) mortar</p>		<p>20</p> <p>24</p> <p>37</p>	<p>NO</p> <p>SM</p> <p>LM</p>		
<b>Carried to collection</b>					

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<b>Painting</b>				
	<b>Prepare and apply one under coat and two finishing gloss oil paint to ;</b>				
<b>A.</b>	General surfaces of metal (windows) internally	27	SM		
<b>B</b>	General surfaces of metal (windows) externally	28	SM		
<b>Carried to collection</b>					

	<b>COLLECTION</b>				
	Brought forward from page	KPS/ 11			
	Brought Down from page	KPS/ 12	Above		
	<b>TOTAL FOR ELEMENT NO.6</b>				
	<b>WINDOWS CARRIED TO SUMMARY</b>				

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<b>ELEMENT NO.7</b>				
	<b>DOORS</b>				
	<b>Metal doors</b>				
<b>A.</b>	<b>900mm wide x 2400mm</b> high overall mild steel	4	NO.		
	<b>Painting</b>				
<b>B</b>	General surfaces of Metal	15	SM		
<i>Carried to collection</i>					

COLLECTION				
	Brought down from page	KPS/ 14	Above	
	<b>TOTAL FOR ELEMENT NO. 7</b>			
	<b>DOORS</b>			
	<b>CARRIED TO SUMMARY</b>			

KPS/ 14

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<b>ELEMENT NO. 8</b>				
	<b>FINISHES</b>				
	<b>Floors and Skirtings</b>				
	<b>Insitu cement and sand (1:3) screeded beds, with steel trowelled finish , on concrete</b>				
<b>A.</b>	20mm Thick backing finished with a wood float steel trowelled rough to receive tiles.	324	SM		
<b>B</b>	Supply and fix 300mm x 300mm chinese cerramic floor files	324	SM		
<b>C</b>	Ditto to skirting area n.e 150mm high	132	LM		
	<b>EXTERNAL WALL FINISHES</b>				
	<b>External walls</b>				
	<b>12mm thick cement, sand render, with wood float finish, as described to:-</b>				
<b>D</b>	Walls/Concrete surfaces of beams	306	SM		
	<b>Painting and decorating</b>				
	<b>Prepare and apply one undercoats and two finishing coats exterior quality plastic emulsion paint on :-</b>				
<b>E</b>	Wall and Rendered concrete surfaces	306	SM		
<b>Carried to collection</b>					

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
	<b>INTERNAL WALL FINISHES</b>				
	<b>Internal walls</b>				
	<b>12mm thick cement, sand and lime plaster, with steel trowelled finish, as described to:-</b>				
<b>A.</b>	Walls	384	SM		
	<b>Painting and decorating</b>				
	Prepare and apply one undercoats and two finishing coats plastic emulsion paint on :-				
<b>B.</b>	Plastered walls and beams	384	SM		
<i>Carried to collection</i>					

	<b>COLLECTION</b>			
	Brought forward from page	KPS/ 15		
	Brought down from page	KPS/ 16		
	<b>TOTAL FOR ELEMENT NO. 8 FINISHES</b>			
	<b>CARRIED TO SUMMARY</b>			

<b>SUMMARY</b>		
<b>NO.</b>	<b>ELEMENT</b>	
1	<b>SUBSTRUCTURE WORKS</b>	<b>KPS/4</b>
2	<b>RC FRAMES</b>	<b>KPS/6</b>
3	<b>EXTERNAL WALLING</b>	<b>KPS/7</b>
4	<b>INTERNAL WALLING</b>	<b>KPS/8</b>
5	<b>ROOFING</b>	<b>KPS/11</b>
6	<b>WINDOWS</b>	<b>KPS/13</b>
7	<b>DOORS</b>	<b>KPS/14</b>
8	<b>FINISHES</b>	<b>KPS/16</b>
<b>CARRIED TO GRAND SUMMARY</b>		

**KPS/17**

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	KSHS
<b>PC AND PROVISIONAL SUMS</b>					
<b>A.</b>	Allow a provisional sum of Kenya Shillings one hundred Thousand (100,000.00)only for Contingencies,				
			<b>SUM</b>		<b>100,000.00</b>
<b>B</b>	Allow a provisianal sum of kenya shillings one hundred and fifty thousand shillings only for project supervision .				
			<b>SUM</b>		150,000.00
<b>D</b>	Allow a provisional sum of Kenya Shillings two hundred and fifty Thousand (250,000.00) for Electrical Works				
			<b>SUM</b>		<b>250,000.00</b>
<i>Carried to collection</i>					<b>500,000.00</b>

	<b>Brought Down from Page No. PC/ 1 Above</b>	<b>500,000.00</b>
	<b>TOTAL FOR PC AND PROVISIONAL SUMS</b>	<b>500,000.00</b>
	<b>CARRIED TO GRAND SUMMARY</b>	

**GRAND SUMMARY**

ITEM	DESCRIPTION		
1	BUILDING WORKS	KPS	
2	PROVISIONAL SUMS	PS/1	
3	SUB-TOTAL 1		
4	ADD 16% VAT		
<i>TOTAL FOR WORKS</i>			

AMOUNT IN WORDS.....

NAME OF TENDERER.....

ADDRESS.....

SIGNATURE.....

DATE.....

NAME OF WITNESS.....

ADDRESS.....

SIGNATURE.....

DATE.....