

ITEM	DESCRIPTION	QTYS	UNITS	RATES	AMOUNT
	<p><b><u>PROPOSED CONSTRUCTION OF STOREYED CLASSROOMS AND ADMISTRATION OFFICES AT H.G.M KINOO SECONDARY SCHOOL.</u></b></p> <p><b><u>SUBSTRUCTURE ( ALL PROVISINAL)</u></b></p> <p><b><u>Site clearance</u></b></p>				
A	Clear the site of all bushes, shrubs and undergrowth, grub up roots and dispose all the arisings as directed.	620	sm		
	<b><u>Mass Excavation and earthworks.</u></b>				
B	Excavate oversite to reduced levels commencing from stripped level average 1.8mm deep and cut away from the site.	620	cm		
C	Excavate for strip foundation starting from reduced level not exceeding 2m deep and spread on site average 10m away.	266	cm		
D	DITTO: 1.5m- 2m	92	CM		
E	Excavate for column bases n.e 2m starting from stripped levels and cart away from site excavated materials as directed .	110	cm		
F	DITTO: 1.5m- 2.0m	38	cm		
G	Extra over all excavations for all classes of rocks .	5	cm		
H	Return fill - in and rum selected excavated materials.	486	cm		
I	Remove and cart away from the site surplus excavated materials as directed .	134	cm		
	<b><u>Disposal of water</u></b>				
J	Allow for keeping excavation free water and mud including spring or running water by pumping or bailing any other means.		ITEM		
	<b><u>PLANKING AND STRUTTING</u></b>				
K	Allow for maintaining and supporting sides of excavation and keeping the same from fallen materials.		ITEM		
	<b>TOTAL CARRIED TO COLLECTION</b>		PG1		

ITEM	DESCRIPTION	QTYS	UNITS	RATES	AMOUNT
	<b><u>HARDCORE</u></b>				
A	300mm thick depositing and compacting in making up levels in layer of 150mm maximum thickness	186	cm		
B	50mm thick murrum blinding to surface of fill	620	sm		
	<b><u>Antitermite treatment.</u></b>				
C	Termidor or other equal and approved insecticide with a ten years guarantee to surfaces of fill and tops of foundations	620	sm		
D	Polythene 1000gauge, 150mm laps ( no allowance made to laps) horizontal 1 no layer laid on murrum blinding.	620	sm		
E	Reference A 142 mesh 200 x 200mm, weight 2. 22kg/sm measured net- no allowance made for laps ( including bends tying wire and distance block)	620	sm		
	<b><u>Concrete work</u></b>				
	<b><u>Concrete 1:3:6 as described in:</u></b>				
F	50mm thick mass concrete class 15( 1 : 3 :6) to bottom of foundations strip and column bases footing.	258	sm		
	<b><u>In situ concrete reinforced class 20/20mm vibrated ( 1 ; 2 : 4) in:</u></b>				
G	200mm thick mass concrete in trenches .	38	cm		
H	Column bases and sub- columns.	35	cm		
I	150mm thick bed.	620	sm		
	<b>TOTAL CARRIED TO COLLECTION</b>		PG2		

ITEM	DESCRIPTION	QTYS	UNITS	RATES	AMOUNT
	<b><u>Round mild steel reinforcement in structural concrete work .</u></b>				
A	8mm reinforcement bars	1250	kg		
B	10mm reinforcement bars	378	kg		
C	12mm diameter bars	1354	kg		
D	16mm diameter bars	1620	kg		
E	25mm diameter bars	418	KG		
	<b><u>Sawn formwork to:</u></b>				
G	Sub-columns	130	sm		
G	Soft wood for formwork to edges of slab 150mm high.	164	lm		
	<b><u>Sub Wall</u></b>				
H	225mm thick approved local natural stone roughly squared to foundation walling bedding and jointing in cement sand ( 1: 3).	618	sm		
	<b><u>Damp proofing.</u></b>				
I	200mm wide B.S 743 TYPE A bitumen hessian base 150mm laps ( no allowance made for laps) horizontal 1 no layer bedded in cement sand ( 1:3) mortar.	226	lm		
	<b><u>Insitu finishing plinth.</u></b>				
J	14mm thick 2 no coatwork cement sand ( 1;3 ) render wood floated to concrete blockwork base to walls extenal	136	SM		
	<b><u>prepare and apply three coats black bituminous paint on</u></b>				
K	Rendered plinth externally	136	SM		
	<b>TOTAL CARRIED TO COLLECTION</b>		pg3		

ITEM	DESCRIPTION	QTYS	UNITS	RATES	AMOUNT
L	<p><b><u>Paved yards and areas around building plinth.</u></b></p> <p>Supply and lay one rows of pre-cast concrete slabs size 600 x600mm laid on and including 50mm thick consolidated sand bed and 100mm thick murrum sub-base to fall and including all necessary excavation and anti-termite treatment to sub-base.</p> <p><b><u>substructures work summary</u></b></p> <p><b>TOTAL FROM PAGE 1</b></p> <p><b>TOTAL FROM PAGE 2</b></p> <p><b>TOTAL FROM PAGE 3</b></p> <p><b>TOTAL FROM PAGE ABOVE</b></p>	62	sm		
	<b>TOTAL FOR SUBSTRUCTURES WORK</b>				
	<b>TOTAL CARRIED TO COLLECTION</b>		PG4		

ITEM	DESCRIPTION	QTYS	UNITS	RATES	AMOUNT
	<b><u>FRAMES</u></b>				
	<b><u>ALL provisional</u></b>				
	<b><u>Concrete work</u></b>				
	<b><u>Vibrated reinforced concrete class 25/20 aggregate as described in:</u></b>				
A	Beams	53	cm		
B	Columns	14	cm		
C	150mm thick in suspended slab.	620	sm		
D	200mm thick suspended slopping slab of the ramp.	36	sm		
E	150mm thick suspended staircase.	24	SM		
	<b><u>Reinforcement</u></b>				
	<b><u>square twisted mild steel reinforcement to B.S 4461 in structural concrete work.</u></b>				
F	8mm diameter bars	2806	KG		
G	10mm diameter bars	3806	KG		
H	12mm diameters bars	640	kgs		
I	16mm diameter bars	2892	KG		
J	20mm diameter bars	632	KG		
K	25mm diameter bars	3586	KG		
	<b>TOTAL CARRIED TO COLLECTION</b>		pg5		

ITEM	DESCRIPTION	QTY	UNITS	RATES	AMOUNT
	<b><u>Sawn formwork to:</u></b>				
A	Sides and soffits of beams.	643	sm		
B	Sides of columns.	178	sm		
C	Soffits of suspended slabs .	620	sm		
D	Soffits of suspended slopping slab of the ramp and stairs.	24	sm		
E	Edges of the the slopping slab.	38	lm		
	<b><u>STEEL COLUMNS.</u></b>				
F	Circular hollow section columns member 75mm outside diameter by 5mm and 3m high fixed to concrete weighing 2.6kgs per linear metre with base plate embedded in concrete at 2m c/c.	72	lm		
	<b><u>Sundries</u></b>				
G	Plate 4mm thick 200 x 200 with four holes for bolts.	1	sm		
H	prepare touch up primer and apply three coats first quality hard gloss paint on structural steel members.	72	lm		
	<b>TOTAL CARRIED TO COLLECTION</b>		pg6		

ITEM	DESCRIPTION	QTYS	UNITS	RATES	AMOUNT
	<b><u>WALLING.</u></b>				
	<b><u>External walling.</u></b>				
A	200mm thick approved local machine cut bedding jointing and pointing in cement sand ( 1:3) mortar reinforced with 25gauge x 3mm hoop irons at every alternate course.	452	sm		
	<b><u>Internal walling.</u></b>				
B	150 mm thick approved local machine cut bedding jointing and pointing in cement sand ( 1 : 3) mortar reinforced with 25gauge x 3mm hoop irons at every alternate course.	304	sm		
	<b><u>D .P. C.</u></b>				
C	200mm wide B.S 743 TYPE A bitumen hessian base 150mm laps ( no allowance made for laps) horizontal 1 no layer bedded in cement sand (1 :3) mortar.	162	lm		
D	Ditto 150mm wide.	120	lm		
	<b><u>SUNDRIES .</u></b>				
E	Raking and cutting 200mm thick stone walling for slope.	32	sm		
	<b>TOTAL CARRIED TO COLLECTION</b>		pg7		

	<p><b><u>WINDOWS</u></b></p> <p><b><u>Steel casement windows</u></b></p> <p><b><u>purpose made steel casement windows with permanent ventilating units manufactured from 20 x 20 x 3mm "z" &amp; "T" mild steel section including 20 x 3mm burglar bars in 150mm centers horizontal bars complete with heavy duty brass stays and fasteners fixed to masonry jumps concrete head.</u></b></p>				
A	window overall size 1500 x 1200mm.	30	no		
B	DITTO: oveall size 1000 x 1200mm.	5	no		
	<p><b><u>GRAZING</u></b></p>				
C	4mm thick clear sheet glass with metal putty in panes.	46	sm		
	<p><b><u>OBSECURED GLASS.</u></b></p>				
D	4mm thick approved obscured sheet glass with metal putty in panes.	24	sm		
	<p><b><u>Prepare , primed and apply two coats and one finishing coats oil paint to :</u></b></p>				
E	General mild window surfaces measured on both sides.	120	sm		
	<p><b><u>WINDOW CILL.</u></b></p> <p><b><u>Clay tiles and fittings to b.s 1286 type A.</u></b></p>				
G	150 x 25mm window cill bedded and jointed in cement and sand 1:1 and pointed in tinted cement.	60	lm		
	<b>TOTAL CARRIED TO COLLECTION</b>		pg8		



ITEM	DESCRIPTION	QTYS	UNITS	RATES	AMOUNT
	<b><u>DOORS</u></b>				
	<b><u>STEEL CASEMENT DOORS</u></b>				
	<b><u>Fabricate, deliver and install the following purpose made steel casement doors ( to archi detail) to comply to B.S 990 obtained from an approved manufacturer primed with red oxide primer before deliver to site complete with hinges handles catches</u></b>				
A	Doors size 900 x2400mm	6	no		
	<b><u>Painting and decoration</u></b>				
	<b><u>Prepare and apply three coats oil paint full gloss to crown solo or other equal and approved to:</u></b>				
C	General surfaces of steel casement doors.	26	sm		
	<b><u>wrot celcured cypress framed frames and framings</u></b>				
D	40 x 25 mm weathered architrave.	30	LM		
E	20mm quordrant.	30	LM		
	<b><u>45mm thick semi-solid core flush door to B.S 459 part veneered both sides with first quality plywood and lipped on all edges in approved hardwood including</u></b>				
F	Door size 800 x 2050mm	7	no		
G	100 x 50mm frames with four labours screwed with a permanent glass vent at the top	7	no		
	<b><u>IRON MONGERY</u></b>				
	<b><u>Supply and fix the following to(UNION) catalogue to softwood fixed matching with screws.</u></b>				
F	Three lever mortice lock complete with set lever brass handle furniture	7	no		
G	100mm steel butt hinges.	21	prs		
	<b>TOTAL CARRIED TO COLLECTION</b>		PG9		

ITEM	DESCRIPTION	QTYS	UNITS	RATES	AMOUNT
	<b><u>EXTERNAL WALL FINISHES</u></b>				
A	Hack out joints and apply 12 x 12mm cement and sand (1 : 3) mortar horizontal recessed pointing to natural stones walling.	426	SM		
	<b><u>12mm thick cement sand render with wood float finish as described to:</u></b>				
B	External walls.	28	SM		
C	Ditto to concreted surfaces	106	sm		
	<b><u>Painting and decoration</u></b>				
	<b><u>Prepare and apply one undercoat and two finishing coats exterior quality plastic emulsion paint on:</u></b>				
D	Concreted surfaces and external walls.	28	SM		
E	Ditto to concreted surfaces.	106	sm		
	<b>TOTAL CARRIED TO COLLECTION</b>		PG10		

ITEM	DESCRIPTION	QTYS	UNITS	RATES	AMOUNT
	<b><u>INTERNAL WALL FINISHES</u></b>				
	<b><u>Plaster : 9mm first coats of cement and sand (1:6) 3mm second coats of cement lime putty (1:10) to:</u></b>				
A	Walls internaly.	728	SM		
B	Soffits of suspended slab.	620	SM		
C	Concreted surfaces.( beams and columns)	36	sm		
	<b><u>Painting and decoration</u></b>				
	<b><u>Prepare and apply one undercoat and two finishing coats of gloss paint on:</u></b>				
D	Walls internaly.	728	SM		
E	Soffits of suspended slab.	620	SM		
F	Concreted surfaces.	36	sm		
<b>TOTAL CARRIED TO COLLECTION</b>			PG11		

ITEM	DESCRIPTION	QTYS	UNITS	RATES	AMOUNT
	<p><b><u>FLOOR FINISHES.</u></b></p> <p><b><u>In situ cement and sand ( 1: 3 ) screeded beds with steel trowelled finish on concrete:</u></b></p> <p>A Hack floors to receive new finish</p> <p><b><u>Bonded cement and sand (1:3) screed bed in one coat well bonded to concrete as described:</u></b></p> <p>B 35mm thick screed laid on concrete finished with a red oxide.</p> <p>C 100mm high skirting.</p>	620	SM		
	<b>TOTAL CARRIED TO COLLECTION</b>		PG12		

ITEM	DESCRIPTION	QTYS	UNITS	RATES	AMOUNT
	<b>SUMMARY PAGE FOR GROUND &amp; 1ST FLOOR</b>				
A	SUBSTRUCTURES WORK				
B	FRAMES				
C	WALLING				
D	WINDOWS				
E	DOORS				
F	External finishes				
G	Internal finishes				
H	FLOOR FINISHES				
	<b>TOTAL BULDERS WORK FOR GROUND &amp; 1ST FLOOR</b>				
	<b>CARRIED TO GRAND SUMMARY</b>				
	<b>TOTAL CARRIED TO COLLECTION</b>		<b>PG13</b>		

ITEM	DESCRIPTION	QTYS	UNITS	RATES	AMOUNT
	<b><u>ELECTRICAL INSTALLATION</u></b>				
	<b><u>Supply, install, test and commission the following</u></b>				
A	<b><u>POWER MAINS</u></b>				
i)	Install a standard gauge single tariff weather proof meter box with all accessories incoming single phase supply line by the K.P.L.C	1	NO		
ii)	Install a standard gauge adaptor box with standard joints boxes	1	no		
ii)	Sub-mains cable being 10mm x 3 single core copper conductor cables drawn in 32mm p.v.c / H.G conduits with all accessories from the meter box to the consumers units.	18	MTRS		
iii)	240V x 8 ways S.P.N consumer units flush mounted and complete with 100A integral isolator being havel to accommodate the following circuit brakes	1	NO		
	6A x 240v S. P .N.M.BS	4	NO		
	32A X240v S.P..N.M.C BS	4	NO		
B	<b><u>LIGHTING POINTS</u></b>				
	Lighting points wired using 3 x 1.5mm single core copper conductor cables drawn in 20mm p .v .c ( h.g) conduits with all accessories but without the lighting fittings.	20	NO		
C	<b><u>LIGHTING FITTINGS</u></b>				
i)	1200mm x 36w single battern fluorescent fittings complete with tubes being havel.	24	NO		
ii)	80- 100w spherical bulkhead fittings complete with energy savers being philips	8	NO		
D	<b><u>LIGHTING SWITCHES.</u></b>				
i)	6A x 240v white moulded plate and flush mounted switches complete with cripsal B.G Screw cover being one way one gang	24	NO		
	<b>TOTAL CARRIED TO COLLECTION</b>		PG14		

ITEM	DESCRIPTION	QTYS	UNITS	RATES	AMOUNT
ii)	6A M.K plate switches white moulded with B.G screw cover being	8	NO		
	1 way 1 gang	4	NO		
	2way 1 way gang	1	NO		
	Intermediate switch.	2	NO		
E	<b><u>Power points</u></b>				
i)	power points wired using 3 x2.5 mm single core copper conductor cables drawn in 25mm p.v.c conduits (H.G) complete with all necessary accessories but without the socket outlets	21	NO		
ii)	13A x 240v white moulded plate and flush mounted socket outlets complete with cripsal B.G screw cover being twin outlets	21	NO		
F	<b><u>EARTHING</u></b>				
i)	300mm x 300mm earthing chamber complete with all accessories and concrete manhole cover with all accessories to K.P.L.C earthing specifications	1	ITEM		
G	Allow for a single phase K .P.L.C supply line	1			
	<b>TOTAL CARRIED TO COLLECTION</b>				
1	<b>TOTAL brought down from pg E/13</b>				
2	<b>Total brought from page above 14</b>				
	<b>TOTAL ELECRICAL WORK CARRIED TO GRAND</b>				
	<b>TOTAL CARRIED TO COLLECTION</b>		PG15		

ITEM	DESCRIPTION	QTYS	UNITS	RATES	AMOUNT
A	<u>PROVISIONAL SUM</u>  <u>CONTIGENCIES</u> Allow a provisional sum of Kenya Shillings one hundred thousands (Kshs. 100,000) only for contingencies to be deducted in whole or in parts as directed by the project manager.  <u>PROJECT MANAGEMENT</u>  Allow a provisional sum of Kenya shillings seventy five thousands (75,000) only for Project Managers administration expenses.				100,000
B	Allow a provisional sum of ten thousands only for branding				75,000
C					10,000
					<b>185,000</b>
	<b>TOTAL CARRIED TO COLLECTION</b>		PG16		



ITEM	DESCRIPTION	QTYS	UNITS	RATES	AMOUNT
A	<u>GRAND SUMMARY</u> <b>TOTAL BULDERS WORK FOR GROUND &amp; 1ST FLOOR</b>				
B	<b>TOTAL FOR ELECTRICAL WORKS</b>				
C	<b>TOTAL PROVISIONAL WORK</b>				
	<b>GRAND TOTAL</b>				
	<p>AMOUNT IN WORDS .....</p> <p>.....</p> <p>COMPANYS NAME.....</p> <p>SIGNATURE.....</p> <p>STAMP .....</p> <p>DATE.....</p>				
			PG17		