

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Quantity</i>	<i>Rate</i>	<i>Amount</i>
	<u>PROPOSED REHABILITATION AND LANDSCAPING WORKS AT KAMWIRIGI POLYTECHNIC.</u>				
	<u>DEMOLITION</u>				
A	Hack out existing floor and prepare surface to receive new finish	SM	194		
B	Hack out existing plaster and prepare surface to receive new finish	SM	356		
C	Take down existing timber doors size 1500mm x 2400mm high complete with frame and store as directed	NO	1		
D	Ditto size 900 x2400mm ditto	NO	5		
E	Provide a provisional sum of shillings Twenty Thousand for addational demolations	SUM			
	Total For demolitions Carried to Summary				

Item	Description	Unit	Quantity	Rate	Amount
	MEASURED WORKS				
	BILL NO. 1				
	SUBSTRUCTURES				
	<i>All Provisional</i>				
	EXCAVATIONS				
	<i>Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material</i>				
A	Clear site of all bushes, shrubs and undergrowth, grub up roots and dispose all the arisings as directed by the Architect	m2	56		
B	Excavate oversite grass vegetation cover and soil to stripped level; average 200mm deep cart away and deposit surplus excavated material where directed by architect on site not exceeding 200meters away	m2	56		
C	Excavation to reduced level commencing from striped level and not exceeding 1.5m deep	m3	64		
D	Excavate foundation trench not exceeding 1.20 metres deep starting from reduced level and stockpile on site as directed	m3	27		
E	Extra over all excavations for excavating all classes of rock occurring at any depth	m3	2		
	PLUNKING AND STRUTTING				
F	Allow for maintaining and supporting sides of excavations and for keeping the same free from fallen materials.		Item		
	DISPOSAL OF WATER				
G	Allow for keeping excavations free of water and mud by pumping, bailing or other approved means.		Item		
	FILLINGS / DISPOSAL				
H	Return, fill and ram selected imported murrum material around foundations.	m3	16		
I	Load, wheel and landscape surplus excavated material where directed by architect on site not exceeding 50meters away <i>Hardcore filling</i>	m3	75		
J	300mm thick Hardcore fill under floors, hand packed and compacted in 150mm layers	m2	56		
K	Chemical anti termite treatment executed complete by an approved specialist under a ten (10) year guarantee to surfaces of blinded hardcore	m2	56		
L	50mm thick quarry dust blinding laid on hardcore (m.s)	m2	56		
	Carried to Collection			KSHS	

Item	Description	Unit	Quantity	Rate	Amount
A	<u>Damp proof membrane</u> 500 gauge polythene or other equal and approved damp proof membrane laid under surface bed with 300mm side and end laps (measured nett- allow for laps)	m2	56	100.00	5,600.00
	<u>CONCRETE WORK</u>				
B	<u>Concrete 1:3:6, as described, in:-</u> 50mm thick blinding to; strip foudation	m2	18		
C	<u>Reinforced concrete 1:2:4, as described, in:-</u> Strip foundations	m3	4		
D	100mm thick Surface bed	m2	56		
E	<u>Fabric reinforcement to B.S. 4483 and setting in concrete with 300mm side and end laps (measured net tallow for laps)</u> Fabric mesh ref:A142 in ground floor slab	m2	56		
F	<u>Square twisted mild steel steel reinforcement in structural concrete work</u> Assorted bars	kg	451		
G	<u>Sawn Formwork to:-</u> Edges of ground floor slab over 75mm but not exceeding 150mm high	m	29		
	<u>SUB-WALL</u>				
H	<u>Walling in natural coursed stone obtained from an approved quarry, jointed and bedded in gauged mortar (1:3)</u> 200mm Thick wall in foundations	m2	44		
	<u>DPC</u>				
I	<u>Three ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured net allow for laps)</u> 200mm Wide horizontal layer	m	29		
	<u>PLINTH</u>				
J	<u>12mm Cement and sand (1:3)render on stone or concrete work</u> Concrete or masonry walling plinths	m2	30		
K	<u>Prepare and apply two coats black bituminous paint to:-</u> Rendered concrete or stone surfaces	m2	30		
	Carried to Collection				

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Quantity</i>	<i>Rate</i>	<i>Amount</i>
	SUBSTRUCTURES <u>COLLECTION</u> Total Brought Forward from Page No.		<i>Page No</i> 2 3		
	Carried Forward to Summary of Section No. 2			KSHS	

Item	Description	Unit	Quantity	Rate	Amount
	<p>BILL NO. 4</p> <p>ROOFING</p> <p><i>All Provisional</i></p> <p>ROOF CONSTRUCTION Timber roof construction</p> <p><i>Structural timbers, sawn cypress pressure impregnated as described</i></p> <p><i>The following in 15No Timber Trusses spanning 10635x1800mm high including hoisting and fixing in position approx 3000mm above ground floor slab including all necessary jointing (T1)</i></p> <p>A 150x50mm; External members (Rafters and Joists)</p> <p><i>Structural timbers, sawn cypress pressure impregnated as described</i></p> <p>B 75 x 50mm Purlin members</p> <p>C 150x50 mm Wall plate secured with and including 12mm diameter mild steel anchor bolt 300mm long at 900mm centres cast in concrete ring beam</p> <p>Columns</p> <p>D 75mm diameter round hollow steel tube embedded in concrete and other end hooked to support wall plate (m.s) approximately 27mm high including bolting of wall</p>	<p>m</p> <p>m</p> <p>m</p> <p>m</p>	<p>96</p> <p>81</p> <p>29</p> <p>30</p>		
	<p>Carried Forward to next page</p>			<p>KSHS</p>	

Item	Description	Unit	Quantity	Rate	Amount
	ROOF FINISHES Roof Covering:-				
A	28 Gauge roof covering not exceeding 45 degrees from horizontal	m2	80		
B	28 Gauge purpose made Half round Ridge cap to match	m	2		
	<u>Sawn cypress timber selected and kept clean</u>				
C	200x25mm Fascia or barge board	m	96		
	TONGUE AND GROOVE BOARDING				
	RAIN WATER DISPOSAL				
	<u>26 gauge galvanized iron sheet with one coat primer before fixing</u>				
D	150mm diameter Half round gutter fixed to fascia with and including steel brackets and hangers all in accordance with the detailed drawings	m	58		
E	Extra Over mild steel gutter for cutting 100mm diameter for rainwater outlet including all required labour and materials for water tight socketing of downpipe to the outlet	No	6		
F	Ditto stopped ends	No	4		
G	100mm diameter down pipe fixed to wall with approved holder buts	m	18		
H	Extra over downpipe for 2 No socketed bends; swan neck, and shoe	No	6		
	PAINTING AND DECORATING				
	<u>Touch up primer ,prepare and apply one undercoat and two finishing coats gloss paint on</u>				
I	General surfaces of metal gutters	m2	32		
	<u>Knot, Prime, Stop and Prepare and apply one undercoat and two finishing coats gloss oil paint on:-</u>				
J	Surfaces over 200mm but not exceeding 300mm girth	m	96		
K	Prepare surface and align the GCI sheet,prepare and apply one under coat and two finishing roof paint to the existing roof covering	m2	319		
	Carried Forward to Summary of Section No. 2			KSHS	

Item	Description	Unit	Quantity	Rate	Amount
A	<p>BILL NO. 5</p> <p>WINDOWS</p> <p>Window Cill</p> <p>250mm x 75mm weathered and throated pre-cast concrete window cill pointed in cement and sand (1:3) mortar</p> <p>Steel Casements</p> <p><u>Purpose made Burglar proofed casement windows fabricated from standard "RHS", "T", and "Z" section framing, and burglar proofed with 10mm solid square bars in grids n.e 200mm, including all coupling mullions etc; and complete with bronze handles ,peg stays and other ironmongery; factory primed with red oxide primer including cutting and pinning fixing lugs to concrete or masonry work jambs ; bedding in cement and sand (1:3) mortar , pointing all round frames in mastic ,easing ,oiling and adjusting opening lights on completion</u></p>	m	22		
B	<p>Window size 1200 x 1500mm high</p> <p>Glazing</p> <p><u>4mm Clear sheet glass and glazing</u></p>	No	8		
C	<p>Glasses with approved metal putty; to steel casement windows</p> <p><u>Prepare and apply one undercoat and two finishing coats gloss paint on</u></p>	m2	26		
D	<p>General surfaces of mild steel windows</p>	m2	101		
	<p>Carried Forward to Summary of Section No. 2</p>			<p>KSHS</p>	

Item	Description	Unit	Quantity	Rate	Amount
	<p>BILL NO. 6</p> <p><u>DOORS</u></p> <p><u>Standard steel casement doors complete with hinges, bolts and locking devices assembled and primed with red oxide then fixed to opening including cutting and pinning lugs to masonry or concrete and bedding frame in cement and sand (1:3) mortar</u></p> <p>Standard steel casement door size 1500x2400mm high comprising 40 x 25 x 3mm stiles bottom and top rail and 4 No. intermediate rails complete with 50 x 50 x 3mm fix frame; 16 gauge mild steel plate built into panels 2 x 200mm lockable tower bolts all factory primed with red oxide primer.</p> <p>B Ditto size 900mm x 2400mm high single ditto</p> <p>C 4 mm thick clear sheet glass and glazing to timber with glazing beads (m.s.)</p> <p><u>Prepare and apply one undercoat and two finishing coats gloss paint on.</u></p> <p>D General surfaces of mild steel Door</p>	<p>NO</p> <p>NO</p> <p>SM</p> <p>m2</p>	<p>1</p> <p>5</p> <p>3</p> <p>30</p>		
	<p>Carried Forward to Summary of Section No. 2</p>			<p>KSHS</p>	

Item	Description	Unit	Quantity	Rate	Amount
	BILL NO. 7				
	FINISHES				
	FLOOR FINISHES				
	Cement and sand (1:4) trowelled beds on concrete				
A	20 mm floor screed to receive terrazzo (ms)	m2	216		
B	20mm thick polished terrazzo on cement sand screed (ms)	m2	216		
C	100 x 20mm ditto skirting	m	202		
	WALL FINISHES Internal				
	<u>20mm thick Cement Sand (1:3) plaster to:-</u>				
D	Walls internally	m2	356		
	External				
	<u>15mm thick Cement Sand (1:3) plaster to:-</u>				
E	Walls, and rendered surfaces of concrete and gable	m2	36		
F	Wire brushing existing stone wall to the approval of Architect	m2	199		
	PAINTING AND DECORATING				
	<u>Prepare and apply one undercoat and two finishing coats silk vinyl emulsion paint on</u>				
G	General surfaces; plastered walls; internally	m2	356		
H	General surfaces of walls and rendered concrete frame; externally and gable	m2	36		
	Ceiling Finishes				
	Sawn cypress				
I	50 x 50 treated sawn cypress timber bandering	m	583		
J	75 x 50mm ditto but plugged	m	199		
K	12 mm thick chipboard ceiling fixed to bladering (ms)	m2	216		
L	Extra over ditto for trap door size 800 x 800mm including framing and door	No	4		
M	20 x 75mm wrot timber covetto moulded cornice	m	199		
	Painting and Decorating				
N	Prepare and apply three coats of plastic emulsion paint to chipboard ceiling	m2	216		
O	Ditto but one undercoat and two finishing coat gross oil paint to surface of wood work 0-100mm girth	m	199		
	Carried Forward to Summary of Section No. 2			KSHS	

Item	Description	Unit	Quantity	Rate	Amount
A	BILL NO. 8 <u>FIXTURES AND FITTINGS</u> <u>Chalk board</u> <u>Prepare and apply 2 coats of chalk board paint on:-</u> 4800x900 Chalk board as approved by project manager	NO	3		
B	<u>Wrot Harwood</u> 25 x 50mm hardwood framing plugged to wall with screws	L.M	34		
C	50 x 75mm hardwood chalk holder with two labours plugged to wall	L.M	3		
	Carried Forward to Summary of Section No. 2			KSHS	

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Quantity</i>	<i>Rate</i>	<i>Amount</i>
	<u>SECTION SUMMARY</u>				
	<u>SECTION No. 2 - MEASURED WORKS</u>				
<i>Bill No</i>			<i>Page No</i>		<i>Amount Kshs</i>
1	DEMOLATIONS		1		
2	SUBSTRUCTURES		4		
3	ROOF		6		
4	WINDOWS		7		
5	DOORS		8		
6	FINISHES		9		
7	FIXTURES AND FITTING		10		
	Carried to Grand Summary			KSHS	