

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
<u>SECTION NO. 5</u>						
<u>ELEMENT NO. 13</u>						
<u>FLOOR BEDS</u>						
A.	Clear site of bushes, small trees etc. and strip off vegetable top soil average 150mm and cart way.	S.M.	937			
B.	Excavate to reduce levels average 1.20 m deep.	C.M.	937			
C.	Extra over excavations for excavating in soft rock.	C.M.	60			
D.	Ditto but hard rock.	C.M.	80			
E.	Cart away from site excavated materials.	C.M.	937			
F.	Keep excavation free from all water.	ITEM	1			
G.	Allow for planking and strutting.	ITEM	1			
H.	Hardcore filling compacted in 200mm layers to make up levels under floors.	C.M.	437			
I.	Hardcore bed 300 mm thick.	S.M.	788			
J.	50mm Murram blinding to hardcore.	S.M.	788			
K.	"Termidor" or other approved insecticide treatment.	S.M.	788			
L.	One layer 500 gauge polythene sheeting.	S.M.	788			
To collection					Kshs.	

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
<u>Concrete Class 25/20 as described:</u>						
A.	150 mm Thick floor bed.	S.M.	788			
B.	B.R.C type A. 142 with minimum 300 mm side and end laps.	S.M.	788			
C.	Formwork to edge of bed 75 - 150 mm high.	L.M.	186			
	Ditto but curved on plan.	L.M.	68			
To collection below				Kshs.		
<u>COLLECTION</u>						
From page 5/13/1						
From above						
<u>SECTION NO. 3</u>						
<u>WAREHOUSE FINISHED GOODS</u>						
<u>ELEMENT NO. 13</u>						
<u>FLOOR BED</u>						
<u>TOTAL CARRIED TO SUMMARY OF SECTION NO. 5</u>				KSHS.		

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
<u>SECTION NO. 5</u>						
<u>ELEMENT NO. 14</u>						
<u>STEPS & RAMPS</u>						
<u>ALL PROVISIONAL</u>						
A.	300 mm Bed of hardcore.	S.M.	36			
B.	30 mm Murram blinding to ditto.	S.M.	36			
<u>Concrete 1:3:6 (40mm aggregate)</u>						
C.	50 mm Thick blinding.	S.M.	36			
<u>Concrete Class 25/20 as before</u>						
D.	Ground beam.	C.M.	4			
E.	Steps and waist.	C.M.	4			
F.	150 mm Thick bed.	S.M.	36			
G.	BRC mesh reinforcement type A142.	S.M.	36			
H.	Single layer 1000 gauge damp proof membrane.	S.M.	36			
<u>Sawn formwork to:-</u>						
I.	Vertical sides of ground beam.	S.M.	72			
J.	Edge of bed or riser 150mm high.	L.M.	60			
K.	Raking cutting on formwork.	L.M.	1			
<u>TOTAL CARRIED TO SUMMARY OF SECTION NO. 5</u>					KSHS.	

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
<u>SECTION NO. 5</u>						
<u>ELEMENT NO. 16</u>						
<u>FOUNDATIONS</u>						
<u>ALL PROVISIONAL</u>						
A.	Excavate foundations trench not exceeding 1.5M deep from reduced level average 1,000 mm deep from stripped level.	C.M.	455			
B.	Excavate column base not exceeding 1.50M deep average 1,000 mm deep starting from stripped level.	C.M.	492			
C.	Extra over excavation in hard rock.	C.M.	40			
D.	Return, fill in and ram excavated materials best of excavated materials to approval.	C.M.	409			
E.	Cart away from site excavated materials and dispose off as per Local Authorities's requirements.	C.M.	438			
F.	Allow for keeping excavations free from water.	ITEM	1			
G.	Allow for all necessary planking and strutting.	ITEM	1			
<u>Mass Concrete 1:3:6 (Class 15) (40mm Aggregate)</u>						
H.	50 mm Thick blinding under footings.	S.M.	167			
I.	Ditto under bases.	S.M.	160			
<u>Reinforced Concrete Class 25/20</u>						
J.	Foundation trenches.	C.M.	45			
K.	Bases.	C.M.	55			
L.	Stub columns.	C.M.	13			
To collection				Kshs.		

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>Sawn formwork to:-</u>					
A.	Vertical sides of bases.	S.M.	64			
B.	Ditto foundations.	S.M.	139			
C.	Ditto stub columns.	S.M.	100			
	<u>ALL PROVISIONAL</u>					
	<u>Walling</u>					
	<u>Quarry dressed stone walling bedded and jointed in cement sand mortar (mix 1:4) and reinforced with hoop iron every alternate course</u>					
D.	200 mm Thick wall.	S.M.	354			
	<u>Bituminous damp proof course under:-</u>					
E.	200 mm Thick wall including cement/sand screed.	L.M.	277			
F.	Ditto but 150 mm thick.	L.M.	10			
G.	Ditto but 100 mm thick.	L.M.	32			
	<u>Plinth finish</u>					
H.	12 mm Thick cement and sand (1:4) plinth rendering with wood float finish.	S.M.	229			
I.	Two coats black bituminous paint to plinth rendering.	S.M.	229			
	To collection				Kshs.	

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ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>COLLECTION</u>					
	From page	:	5/16/1			
		:	5/16/2			
	<u>SECTION NO. 5</u>					
	<u>FINISHED GOODS WAREHOUSE</u>					
	<u>ELEMENT NO. 16</u>					
	<u>FOUNDATIONS</u>					
	<u>TOTAL CARRIED TO SUMMARY OF</u>					
	<u>SECTION NO. 3</u>				KSHS.	

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>SECTION NO. 5</u>					
	<u>ELEMENT NO. 19</u>					
	<u>BUILDING SUBSTRUCTURE STEEL REINFORCEMENT</u>					
	<u>ALL PROVISIONAL</u>					
	<u>Mild steel reinforcement to B.S. 4449</u>					
	<u>High tensile square twisted reinforcement to B.S 4461 supplied, cut bent and fixed</u>					
A.	In assorted bars of various diameters.	KG.	17,550			
	<u>TOTAL CARRIED TO SUMMARY OF SECTION NO. 3</u>				KSHS.	

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
<u>SECTION NO. 5</u>						
<u>ELEMENT NO. 21</u>						
<u>EXTERNAL WALLS</u>						
<u>Approved blue stone medium dressed natural stone walling bedded and jointed in gauged mortar (mix 1:4)</u>						
A.	200 mm Thick wall in masonry stone.	S.M.	405			
<u>Parapet walling</u>						
B.	200 mm Thick parapet walling.	S.M.	202			
Concrete Coping Class 25 Precast Concrete						
C.	350 x 50mm thick precast concrete coping with grooved lining underneath as per architectural details.	L.M	204			
<u>TOTAL CARRIED TO SUMMARY OF SECTION NO. 5</u>					KSHS.	

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>SECTION NO. 5</u>					
	<u>ELEMENT NO. 22</u>					
	<u>INTERNAL WALLS</u>					
	<u>Natural stone walling bedded and jointed in gauged mortar (1:2:9) including hoop irons at every alternate course</u>					
A.	200 mm Thick reinforced every course with hoop iron.	S.M.	450			
B.	100 mm Thick reinforced every course with hoop iron.	S.M.	86			
	<u>TOTAL CARRIED TO SUMMARY OF SECTION NO. 5</u>				KSHS.	

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>SECTION NO. 3</u>					
	<u>ELEMENT NO. 23</u>					
	<u>SUSPENDED FLOORS</u>					
	<u>Vibrated reinforced concrete Class 25/20</u>					
A.	150 mm Thick floor slab.	S.M.	90			
B.	Ditto but 175mm ramp.	S.M.				
	<u>Sawn formwork to:-</u>					
C.	Horizontal soffits of 150 mm thick slab.	S.M.	90			
D.	Edge of suspended slab 150 -225mm high.	L.M.	36			
	<u>TOTAL CARRIED TO SUMMARY OF SECTION NO. 5</u>				KSHS.	

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>SECTION NO. 5</u>					
	<u>ELEMENT NO. 27</u>					
	<u>ROOFS</u>					
	<u>MAIN ROOF</u>					
	<u>Roof Trusses</u>					
	<u>IN RHS MEMBERS</u>					
	<u>Roof trusses hoisted approximately 7M above ground, including assembling, bolting and rivetting to engineers details and fixing cleats and plates accordingly in accordance with attached structural engineering details.</u>					
A.	100 x 50mm X 4mm	L.M.	240			
B.	50 x 50mm x 4mm struts.	L.M.	148			
C.	50mm rods welded to trusses as bracing to details.	L.M.	120			
	<u>Rafters in RHS</u>					
D.	100 x 50mm X 4mm	L.M.	120			
E.	50 x 50mm x 4mm struts.	L.M.	74			
	<u>End of Trusses</u>					
	<u>Purlins</u>					
F.	150 x 50mm Z purlins fixed to details (<i>Provisional</i>).	LM.	587			
	<u>Prepare and apply gloss paint on wood</u>					
G.	Prepare surfaces and apply one undercoat and three finishing coats of gloss paint to RHS surfaces to approval.	S.M.	211			
	To collection				Kshs.	

ITEM					
	To collection below			Kshs.	
	<u>COLLECTION</u>				
	From page	:	5/27/1		
	<u>SECTION NO. 5</u>				
	<u>WAREHOUSE FINISHED GOODS</u>				
	<u>ELEMENT NO. 27</u>				
	<u>ROOFS</u>				
	<u>TOTAL CARRIED TO SUMMARY OF</u>				
	<u>SECTION NO. 5</u>			KSHS.	

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UNIVERSITY PROJECTS OFFICE

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>SECTION NO. 5</u>					
	<u>ELEMENT NO. 28</u>					
	<u>FRAME</u>					
	<u>Vibrated reinforced concrete class 25/20</u>					
A.	Columns.	C.M.	35			
B.	Beams.	C.M.	47			
C.	Ring beams & gutters.	C.M.	81			
	<u>Sawn formwork to:-</u>					
D.	Vertical sides of columns.	S.M.	410			
E.	Sides and soffites of beams.	S.M.	771			
F.	Sides and soffits of ring beams.	S.M.	714			
H.	Ditto but sloping at 45 degrees chamfered.	S.M	163			
	<u>TOTAL CARRIED TO SUMMARY OF SECTION NO. 5</u>				KSHS.	

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<p><u>SECTION NO. 5</u></p> <p><u>ELEMENT NO. 29</u></p> <p><u>BUILDING SUPERSTRUCTURE STEEL REINFORCEMENT</u></p> <p><u>ALL PROVISIONAL</u></p> <p><u>High Tensile Steel Reinforcement</u></p>					
A.	In assorted bars of sizes D8 mm to D32 mm diameter.	KG.	24,200			
	<p><u>TOTAL CARRIED TO SUMMARY OF</u></p> <p><u>SECTION NO. 5</u></p>			KSHS.		

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<p><u>SECTION NO. 5</u></p> <p><u>ELEMENT NO. 31</u></p> <p><u>EXTERNAL OPENINGS</u></p> <p><u>Doors & Windows</u></p> <p><u>Anodised Aluminium Doors</u></p> <p><u>Extruded sections casements including 15mm thick laminated bronze anodized glass and glazing in wash leather including matching aluminium ironmongery and furniture 40mm wide permanent vent, with nylon gauze and building in frames with pinning lugs into blockwork and pointing all round in cement mortar (1:3) as per architectural schedule</u></p>					
A.	Door to suit opening size 4,200 x 6,000 mm high with two sliding equal leaves.	NO.	3			
B.	Ditto but roller shutter.	NO.	3			
	To collection				Kshs.	

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<p><u>Mild Steel Windows</u></p> <p><u>Shop primed, welded standard RHS 40mm tube section steel casement windows with 40mm wide inbuilt nylon gauzed permanent vent with draining hood in full width of top or side hung opening light, brass stays and fasteners, including building in frames with pinning lugs into blockwork or concrete and pointing both sides all round in cement mortar (1:3) including burglarproofing; Window sections to be 75 x 50x 5mm thick tubes, Burglar proof to be 6mm thick flats to match the RHS sections but on openable panes only to architectural details.</u></p>					
A.	Windows size 3,600 x 6,500 mm overall divided into 300 x 300 mm panes to Architectural schedules.	NO.	2			
B.	Ditto 3,000 x 6500 mm high .	NO.	4			
C.	Ditto 2,500 x 6500 mm high..	NO.	7			
D.	Ditto 4,800 x 6,500 mm high.	NO.	5			
	<p><u>Glazing</u></p> <p><u>Clear sheet glass and glazing to metal with putty</u></p>					
E.	15mm Thick laminated and toughened in panes 0.10 - 0.50m ² .	S.M.	348			
	<p><u>Obscured glass to metal as before</u></p>					
F.	15 mm Thick laminated in panes 0:10 - 0.50m ² .	S.M.	47			
	To collection				Kshs.	

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
<u>Painting and Decoration</u>						
<u>Prepare and apply three coats gloss paint to metal</u>						
A.	Glazed metal windows internally.	S.M.	349			
B.	Ditto externally.	S.M.	349			
To collection below				Kshs.		
<u>COLLECTION</u>						
From page		:	5/31/1			
		:	5/31/2			
From above						
<u>SECTION NO. 5</u>						
<u>WAREHOUSE FINISHED GOODS</u>						
<u>ELEMENT NO. 31</u>						
<u>EXTERNAL OPENINGS</u>						
<u>TOTAL CARRIED TO SUMMARY OF SECTION NO. 5</u>				KSHS.		

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UNIVERSITY PROJECTS OFFICE

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>SECTION NO. 3</u>					
	<u>ELEMENT NO. 32</u>					
	<u>INTERNAL OPENINGS</u>					
	<u>Aluminium Doors</u>					
	<u>Timber Doors</u>					
	<u>Mahogany veneered solid core flush doors</u>					
A.	50 mm Thick solid core mahogany veneered door overall shutter size 900 x 2100mm high.	NO.	20			
	<u>Frames and Finishings in wrot Cypress or other equal and approved softwood</u>					
B.	25mm Quadrant.	LM	121			
C.	75 x 25mm Architrave with two labours.	LM	121			
D.	Ditto but 150 x 50 mm in mahogany subframes.	LM	121			
	<u>Mild Steel</u>					
E.	40 x 3mm Thick fixing cramp 240 mm girth as before.	NO	60			
	<u>Painting</u>					
	<u>Prime only back of wood before fixing</u>					
F.	Surfaces not exceeding 100 mm girth.	LM	242			
G.	Ditto 100 - 200 mm girth.	LM	121			
	To collection				Kshs.	

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>Prepare and apply three coats clear polyurethane finish on wood internally</u>					
A.	General surfaces.	S.M.	76			
	<u>Gloss paint</u>					
B.	Three coats of approved gloss paint to timber surfaces of 200 - 300 mm girth.	L.M.	121			
C.	Ditto but 100 - 200mm overall girth.	L.M.	242			
	<u>Supply and fix the following Ironmongery as Union catalogue or other equal and approved</u>					
D.	110 mm Brass butt hinges.	PRS.	40			
E.	3-Lever brass mortice lock complete with furniture.	NO.	20			
F.	38 mm Diameter rubber door stop plugged.	NO.	20			
	To collection				Kshs.	

5/32/2

UNIVERSITY PROJECTS OFFICE

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>COLLECTION</u>					
	From page	:	5/32/1			
		:	5/32/2			
	<u>SECTION NO. 5</u>					
	<u>ASSEMBLY BUILDING</u>					
	<u>ELEMENT NO. 32</u>					
	<u>INTERNAL OPENINGS</u>					
	<u>TOTAL CARRIED TO SUMMARY OF SECTION NO. 5</u>				KSHS.	

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
<u>SECTION NO. 3</u>						
<u>ELEMENT NO. 41</u>						
<u>EXTERNAL WALL FINISHES</u>						
<u>Gauged plaster (1:4) to:-</u>						
A.	To lintel, beam and column surfaces.	S.M.	610			
B.	Ditto to block walls.	S.M.	666			
<u>Marmoran or Wallmaster to wall surfaces.</u>						
C.	12mm Thick mix 1:3 plaster backing and 15mm thick brick facing to approval.	S.M.	1,276			
<u>Painting</u>						
<u>Prepare and apply three coats weatheguard paint to:-</u>						
D.	To lintel, beam and column surfaces.	S.M.	610			
E.	Ditto plastered wall surfaces.	S.M.	666			
<u>TOTAL CARRIED TO SUMMARY OF SECTION NO. 5</u>					KSHS.	

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>SECTION NO. 5</u>					
	<u>ELEMENT NO. 42</u>					
	<u>INTERNAL WALL FINISHES</u>					
	<u>Gauged plaster (1:2:9) to:-</u>					
A.	Machine dressed stone wall.	S.M.	900			
B.	Ditto but backing to receive tiles.	S.M.	252			
	<u>250 x 200 x 10 mm Coloured glazed tiles as described:-</u>					
C.	Ceramic glazed wall tiles.	S.M.	252			
	<u>Painting</u>					
	<u>Prepare and apply three coats silk vinyl emulsion paint to:-</u>					
D.	Plastered wall surfaces.	S.M.	900			
	<u>TOTAL CARRIED TO SUMMARY OF SECTION NO. 5</u>				KSHS.	

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>SECTION NO. 5</u>					
	<u>ELEMENT NO. 43</u>					
	<u>FLOOR FINISHES</u>					
	<u>Cement and sand (1:4) screed or backing</u>					
A.	40 mm Thick to receive epoxy floor finishes to approval.	S.M.	648			
B.	40 mm Ditto to receive granito floor tiles.	S.M.	140			
	<u>Ceramic floor tiles</u>					
D.	600 x 600mm Coloured granito floor tiles on floor screed and pointed in coloured cement laid diagonally.	S.M.	140			
E.	Epoxy floor finishes laid to industrial standards in at least 8mm thick executed by a specialist	S.M.	648			
	<u>Granito tile skirting</u>					
F.	20 x 100 mm High skirting with one labour.	L.M.	201			
	<u>TOTAL CARRIED TO SUMMARY OF SECTION NO. 3</u>				KSHS.	

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>SECTION NO. 5</u>					
	<u>ELEMENT NO. 45</u>					
	<u>CEILING FINISHES</u>					
	<u>12 mm -15 mm plaster (1:4) to:-</u>					
A.	Soffites of suspended slabs	S.M.	90			
	<u>Gypsum or other approved ceiling material with beading</u>					
B.	12 mm Thick lining fixed to brandering (<i>m.s</i>).	S.M.	648			
C.	Extra over lining for access trap door size 600 x 600 mm including trimming brandering and moulded architrave.	NO.	2			
	<u>Sawn cypress (Provisional)</u>					
D.	50 x 50 mm Brandering.	L.M.	446			
E.	Ditto plugged.	L.M.	216			
F.	100 x 50 mm Ceiling joists.	L.M.	216			
G.	Ditto plugged.	L.M.	183			
	<u>Wrot prime grade cypress</u>					
H.	Ex 75 x 50 mm Moulded cornice.	L.M.	201			
	<u>Painting</u>					
I.	Prime only back of wood not exceeding 100 mm girth.	L.M.	201			
	To collection				Kshs.	

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>Prepare and apply three coats of plastic emulsion paint on:-</u>					
A.	Chipboard ceilings.	S.M.	648			
B.	Ditto but concrete soffites.	S.M.	90			
	<u>Prepare and apply three coats gloss paint on wood</u>					
C.	Surfaces not exceeding 100 mm girth.	L.M.	201			
	To collection below				Kshs.	
	<u>COLLECTION</u>					
	From page	:	5/45/1			
	From above					
	<u>SECTION NO. 5</u>					
	<u>WAREHOUSE FINISHED GOODS</u>					
	<u>ELEMENT NO. 45</u>					
	<u>CEILING FINISHES</u>					
	<u>TOTAL CARRIED TO SUMMARY OF SECTION NO. 5</u>				KSHS.	

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>SECTION NO. 5</u>					
	<u>ELEMENT NO. 47</u>					
	<u>ROOF FINISHES</u>					
	<u>ROOFING</u>					
	<u>Gauge 28 roofing sheets in IT5</u>					
A.	Corrugated roofing sheets fixed to J bolts or 50x 50mm celcured cypress battens in accordance with manufacturer's instructions.	S.M.	825			
B.	Matching ridge cap.	L.M.	161			
C.	Ditto hip tile.	L.M.	52			
D.	Cutting tiles to hips and valleys.	L.M.	52			
E.	1200mm wide gauge 18 plain sheet roof underlay.	L.M.	52			
F.	Roof underlay in jumbochem or other equal and approved ma	S.M	825			
	<u>Flat roofs</u>					
G.	APP waterproofing membrane or other equal and approved waterproofing membrane laid to fall on slab with a 20 year guarantee and to be executed by a specialist.	S.M.	201			
H.	Clay tiles laid on top of waterproofing membrane including screed backing to approval; allow for waxing and polishing with linseed oil on laid clay tiles surfaces to approval.	S.M	201			
	<u>TOTAL CARRIED TO SUMMARY OF</u>					
	<u>SECTION NO. 5</u>				KSHS.	

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>SECTION NO. 5</u>					
	<u>ELEMENT NO. 52</u>					
	<u>RAINWATER GOODS</u>					
	<u>RAINWATER DRAINAGE</u>					
A.	150mm UPVC gutter fixed to fascia board.	M1	0			
B.	150mm Diameter downpipe with solvent welded joints cast into concrete.	M1	84			
C.	Extra over ditto for 90 deg. corner stopped end.	NO.	10			
D.	Ditto 150mm diameter outlet.	NO.	10			
E.	Ditto for 150mm rain water down pipe for 1000mm swan neck off-set.	NO.	10			
F.	Extra over for shoe.	NO.	10			
G.	150 mm Diameter "fulbora" rainwater outlet cast into concrete with and including jointing to pipes (<i>m.s</i>) including creating openings for fulboras in reinforced concrete slab and making good.	NO.	10			
	<u>TOTAL CARRIED TO SUMMARY OF SECTION NO. 5</u>				KSHS.	

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PROPOSED TAIFA ASSEMBLY PLANT IN JKUAT JUJA

SECTION NO. 5

WAREHOUSE FINISHED GOODS

SUMMARY

ELEMENT NO.

PAGE NO.

13. FLOOR BEDS.	:	5/13/2
14. STEPS & RAMPS.	:	5/14/1
16. FOUNDATIONS.	:	5/16/3
19. BUILDING SUBSTRUCTURE STEEL REINFORCEMENT.	:	5/19/1
21. EXTERNAL WALLS.	:	5/21/1
22. INTERNAL WALLS.	:	5/22/1
23. SUSPENDED FLOORS.	:	5/23/1
27. ROOFS.	:	5/27/2
28. FRAME.	:	5/28/1
29. BUILDING SUPERSTRUCTURE STEEL REINFORCEMENT.	:	5/29/1
31. EXTERNAL OPENINGS.	:	5/31/6
32. INTERNAL OPENINGS.	:	5/32/2
41. EXTERNAL WALL FINISHES.	:	5/41/1
42. INTERNAL WALL FINISHES.	:	5/42/1
43. FLOOR FINISHES.	:	5/43/1
45. CEILING FINISHES.	:	5/45/2
47. ROOF FINISHES.	:	5/47/1
52. RAINWATER GOODS.	:	5/52/1

TOTAL CARRIED TO GENERAL SUMMARY

KSHS.

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
<u>6.0: ACCESS ROAD & CAR PARKS</u>						
<u>Road, Footpaths & Storm water drainage (Provisional)</u>						
<u>Access road and minimum parking space</u>						
<u>Excavation and earthworks</u>						
A	Excavate to remove vegetable soil average 200 mm deep and cart away.	S.M.	787			
B.	Excavate oversite to reduce levels commencing at existing ground level but not exceeding 1.50 m deep.	C.M.	318			
C.	Ditto exceeding 1.50 m but not exceeding 3.00 m deep.	C.M.	90			
D.	Load, wheel and deposit excavated materials in spoil heaps on site where directed.	C.M.	250			
E.	Excavate selected materials from spoil heaps, load, wheel, fill, spread, water and well compacted to 100% M.D.D. (BS 1377) standard compaction.	C.M.	250			
F.	Imported hardcore filling compacted and laid to falls and cross falls in 300 mm thick layers.	C.M.	158			
G.	Remove surplus excavated materials from site.	C.M.	300			
H.	Extra over excavations for excavating in rock class 1.	C.M.	30			
I.	Ditto but in rock Class 3 (soft rock)	C.M.	20			
<u>Road Formation</u>						
J.	Provide 60mm thick precast concrete Cabro paving blocks of cabro works type or any other approved equal and lay on the sand bed in a pattern to match the above blocks or any other pattern approved by the Engineer. Allow for the other process as explained in the above item to ensure the p.c.c roadblocks form a firm surface compacted to 95% M.D.D standard compaction.	S.M.	687			
				C/F.		

SECTION NO. 6 EXTERNAL WORKS

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>Channel cleaning</u>					
A.	Clean existing stormwater channel and execute remedial works as instructed by the engineer.	L.M.	40			
	<u>Cabro paved areas</u>					
B.	Prepare concrete surfaces and lay 50 mm thick concrete class 25 screed as subbase on concrete slab to receive cabro surfacing.	S.M.	687			
	<u>Insitu concrete class 20</u>					
C.	200 x 125 mm Splayed kerb on and including concrete (1:2:4) in 450 x 100 mm foundation and haunching up at the back including all necessary formwork.	L.M.	210			
D.	Ditto curved on plan to various radii.	L.M.	10			
E.	100 x 125 mm Splayed kerb on and including concrete (1:2:4) in 450 x 100 mm foundation and haunching up at the back including all necessary formwork.	L.M.	60			
F.	Ditto curved on plan to various radii.	L.M.	20			
	<u>Precast Concrete class 20</u>					
G.	125 x 100 mm Edging channel.	L.M.	210			
H.	Ditto curved on plan to various radii.	L.M.	11			
I.	450 x 450 mm Precast concrete quadrant.	NO.	8			
					C/F.	

SECTION NO. 6 EXTERNAL WORKS

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>Paved Areas</u>					
A.	100 mm Wide road marking paint.	L.M.	1100			
B.	Ditto to kerb 200 mm high	LM	80			
	<u>1,200 mm Wide clay floor tiles</u>					
C.	40 mm Thick screed on waterproofed surfaces to receive clay tiles.	SM	80			
D.	50 mm Thick and 1200mm wide clay tiles to approval as external floor finishes.	SM	80			
	<u>600 x 600 mm Concrete slabs</u>					
E.	200 mm Thick murrum bed well watered and rolled.	SM	147			
F.	50 mm thick cement screed sand bed.	SM	147			
G.	50 mm Thick precast concrete slabs 600 x 600mm finished fair top and edges jointed in cement sand mortar (1:4).	S.M.	147			
<u>TOTAL CARRIED TO SUMMARY OF SECTION NO. 4</u>					KSHS.	

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
<u>6.0: STORMWATER DRAINAGE</u>						
<u>Excavation</u>						
A.	Excavate for stormwater open drain and cart away Excavate trench for 300mm diameter Class 41 UPVC drain pipe not exceeding 1.50 m deep and average 1,000 mm average 1,000 mm deep and return fill and ram.	L.M.	61			
B.	Excavate for stormwater open drain and cart away Excavate trench for 300mm diameter Class 41 UPVC drain pipe not exceeding 1.50m deep and average 1000mm deep and return fill and ram.	L.M.	61			
C.	Ditto but exceeding 1.5M but n.e 3.0M deep.	L.M.	21			
D.	Extra over excavation for rock	C.M.	10			
E.	Trim sides of excavation to 45 ⁰ slope	S.M.	35			
<u>Pipe Runs</u>						
<u>300 mm diameter UPVC Class 41 pipes</u>						
F.	300 mm Diameter.	L.M.	47			
G.	450 mm Wide channel including concrete Class 20 in 100 mm thick bed, 150 mm thick walls and grating in 25 x 6 mm thick Mild steel flats laid at 15mm centres and angle framing including all necessary formwork complete as per architectural details to approval.	L.M.	64			
H.	Extra over ditto for joining to IBD	NO	1			
I.	450 mm Diameter PCC OG pipe for external stormwater	L.M.	21			
				C/F.		

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>Storm water Gullies</u>					
	<u>The following in 10No. Storm gulley traps depths ranging from 1000 to 3000mm</u>					
A.	Excavation at varying depths.	C.M.	25			
B.	Extra over excavation in rock.	C.M.	25			
C.	50 mm Thick concrete blinding in class 15	S.M.	10			
D.	30 mm Thick mastic asphalt tanking to horizontal surfaces.	S.M.	10			
E.	50 mm Thick protective screed	S.M.	10			
F.	100 mm Thick class 20 concrete.	S.M.	10			
	<u>Walling</u>					
G.	150 mm Thick masonry wall plastered in the inside.	S.M.	80			
H.	100 mm Thick masonry screen wall.	S.M.	61			
I.	20 mm Thick Asphat tanking(<i>waterproofing</i>) to wall surfaces as before descibed.	S.M.	81			
	<u>Concrete (1:3:6) beds and surrounds including formwork</u>					
J.	Haunching to 300mm diameter pipe.	LM	15			
K.	150 mm Thick concrete surround in class 15 to 300 mm diameter drain pipe.	L.M.	13			
	<u>Grating covers</u>					
L.	355 x 510mm cast iron concrete filled gully grating to engine	NO.	10			
					C/F.	

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>The following in 2No sumps</u>			B/F.		
	<u>The following in 2No. Storm water sumps depths ranging from 1000 to 3000mm</u>					
A.	Excavation at varying depths.	C.M.	24			
B.	Extra over excavation in rock.	C.M.	15			
C.	50mm thick concrete blinding in class 15.	S.M.	5			
D.	30 mm Thick mastic asphalt tanking to horizontal surfaces.	S.M.	5			
E.	50 mm Thick protective screed	S.M.	5			
F.	100 mm Thick class 20 concrete.	S.M.	5			
	<u>Walling</u>					
G.	200 mm Thick reinforced concrete walls in class 20 and plastered on the inside.	S.M.	20			
H.	100 mm Thick masonry screen wall.	S.M.	25			
I.	20 mm Thick Asphalt tanking(waterproofing) to wall surfaces as before described.	S.M.	25			
	<u>Concrete (1:3:6) beds and surrounds including formwork</u>					
J.	Haunching to 300mm diameter pipe	L.M.	3			
	<u>Formwork</u>					
K.	As before described but foundation edges.	S.M.	3			
L.	To sides of concrete walls	S.M.	40			
				C/F.		

SECTION NO. 6 EXTERNAL WORKS

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>End of Sumps</u>					
A.	Allow for testing the whole of storm water drainage once during execution and again after completion to the satisfaction of the Architect/Engineer	ITEM	1	B/F.		
	<u>TOTAL CARRIED TO SUMMARY OF SECTION NO. 6</u>			KSHS.		

		KSHS.	CTS.
	<p>10/21</p> <p><u>PROPOSED TAIFA ASSEMBLY PLANT IN JKUAT JUJA</u></p> <p><u>SECTION NO. 6</u></p> <p><u>EXTERNAL WORKS</u></p> <p>1.0: ACCESS ROAD & CAR PARKS.</p> <p>2.0: STORMWATER DRAINAGE.</p>		
	<p><u>TOTAL CARRIED TO GENERAL SUMMARY</u></p>	KSHS.	

SECTION NO. 7 P. C. & PROVISIONAL SUMS

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>SECTION NO. 7</u>					
	<u>P.C & PROVISIONAL SUMS</u>					
	<u>MECHANICAL ENGINEERING SERVICES</u>					
	<u>MECHANICAL INSTALLATIONS</u>					
A.	Provide a P.C. sum of Kshs. 1,000,000.00 for Plumbing and Drainage & Equipment Installation to be executed complete by a nominated Subcontractors.	ITEM		1,000,000		1,000,000.00
B.	Add for Profit			%		
C.	Allow for Attendance	SUM				
	<u>ELECTRICAL ENGINEERING SERVICES</u>					
	<u>ELECTRICAL INSTALLATION</u>					
D.	Provide a P.C. sum of Kshs. 4,000,000.00 for Electrical Installation to be executed complete by a Nominated Subcontractor.	ITEM		4,000,000		4,000,000.00
E.	Add for Profit			%		
F.	Allow for Attendance	SUM				
				C/F.		

ITEM	UNIT	QTY	RATE	KSHS.	CTS.
<u>RECEPTION COUNTER</u>					
A. Provide a P.C. sum of Shillings Two Hundred Thousand (Shs 200,000/-) for counter to be remeasured upon execution.	ITEM		200,000.00	200,000.00	
B. Add for Profit			%		
C. Allow for Attendance	SUM				
<u>SIGNAGE</u>					
D. Provide a P.C. sum of Shillings One Hundred and Fifty Thousand (Shs 150,000/-) for Signage to be executed complete by a Nominated Specialist. Part executed by Integrated Interiors Ltd).	ITEM		150,000.00	150,000.00	
E. Add for Profit			%		
F. Allow for Attendance	SUM				
<u>PROVISIONAL SUMS</u>					
I. Provide a Provisional Sum of Shillings Three Hundred Thousand only (Shs 300,000/-) for Builder's Works in connection to plumbing and drainage installation to be remeasured upon execution.	SUM		300,000.00	300,000.00	
J. Provide a Provisional Sum of Shillings Three Hundred Thousand only (Shs 300,000/-) for Builder's Works in connection to electrical installation to be remeasured upon execution.	SUM		300,000.00	300,000.00	
			C/F.		

SECTION NO. 7 P. C. & PROVISIONAL SUMS

ITEM		UNIT	QTY	RATE	KSHS.	CTS.
	<u>CONTINGENCIES</u>					
A.	Provide a Provisional Sum of One Million only (Shs 1,000,000/-) for Contingencies to be expended on change of scope and as directed by the project manager.	ITEM		1,000,000		1,000,000.00
	<u>TOTAL CARRIED TO GENERAL SUMMARY</u>				KSHS.	

GENERAL SUMMARY

KSHS.

CTS.

10/21

PROPOSED TAIFA ASSEMBLY PLANT IN JKUAT JUJA

GENERAL SUMMARY

SECTION NO.

1. PRELIMINARIES & CONDITIONS OF CONTRACT.
2. GENERAL PREAMBLES & SPECIFICATION OF WORKMANSHIP & MATERIALS.
3. WAREHOUSE RAW MATERIALS
4. WAREHOUSE FINISHED GOODS.
5. EXTERNAL WORKS.
6. P. C. & PROVISIONAL SUMS.

TOTAL CARRIED TO FORM OF TENDER

KSHS.

Signed for and on behalf of:-

(EMPLOYER)

Signed for and on behalf of:-

(CONTRACTOR)

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ADDRESS:-

ADDRESS:-

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DATE:-

DATE:-

DESIGNATION:-

DESIGNATION:-

.....

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G/S

UNIVERSITY PROJECTS OFFICE