

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>SECTION 2 - STALLS SHEDS</u>				
	<u>STALLS</u>				
	<u>ELEMENT NO. 01: SUBSTRUCTURE</u>				
	<u>Clearing on site and excavation</u>				
A	Clear site of all vegetation including grass, shrub, bushes and small trees; cast away the arising	594	SM		
B	Excavate 150mm deep to remove vegetagle soil, load, wheel and deposit on site where directed.	594	SM		
C	Excavate to reduced levels	238	CM		
D	Excavate trench commencing from stripped level and not exceeding 1.5m	179	CM		
E	Excavate 450 x 450mm x 750mm deep pit for base plate concrete (m.s.)	17	CM		
F	Extra over all description of excavation and removal from site for breaking up rock.	120	CM		
	<u>Plunking and Strutting</u>				
G	Plunking and Strutting to sides of all excavations including keeping excavations free from all fallen materials	1	ITEM		
	<u>Disposal of water</u>				
H	Keep excavations free from all over	1	ITEM		
	<u>Fill and disposal of excavated materials</u>				
I	Backfill and compact in layers selected excavated materials in filling to make up levels	185	CM		
J	Remove surplus excavated materials from site and deposit the same away from site where directed to approved dumping site.	152	CM		
K	Selected imported hardcore filling of approved inert material in making up levels under floors: spread, leveled, well rammed and consolidated in 150mm (maximum) thick layers	250	CM		
	Carried to collection on page B/3				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>Blinding</u>				
A	50mm Thick approved quality murram blinding to surfaces of hardcore	594	SM		
	<u>Chemical treatment</u>				
B	Approved anti-termite chemical treatment: applied by insecta ltd. or other approved professional pest control specialist.	594	SM		
	<u>DPM</u>				
C	500 Gauge approved polythene sheeting laid on blinded hardcore	594	SM		
	<u>In situ concrete mix (1:2:4 - 20mm ggg); vibrated reinforced to:-</u>				
D	200mm thick strip foundation	45	CM		
E	Base plate/stanchion bases	17	CM		
F	Precast concrete slabs; fair faced finishe; bedded & jointed in c & s (1:3) mortat; 600x600x50mm thick paving slabs	594	SM		
	<u>High yield square twisted steel tar reinforcement to BS 4461 and Ks 02-22:1976: including bends, hooks, tying wire, distance blocks and spacers</u>				
G	Y 10 mm Bars	1620	Kg		
H	Y 12 mm Bars	8430	kg		
	<u>Walling</u>				
I	2000mm thick natural stone walling laid with (1:3) cement/sand mortar with and including 20swg hoop iron in every course	396	SM		
	<u>DPC</u>				
J	200mm wide bituminous felt as damp proof course and including 200mm laps	240	LM		
	Carried to collection on page B/3				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>Sawn formwork to:-</u>				
A	Edges of bed; not exceeding 200mm wide	0	LM		
B	Ditto; verticle sides of foundation strips	226	SM		
C	Ditto; vertical side of stanchion bases	114	SM		
	<u>Plinth Finishing</u>				
D	15mm thick cement, sand (1:4) render to plinth	58	SM		
E	Prepare and apply two undercoats and one finishing coat of first grade bituminous paint or equa approved on rendered plinth	58	SM		
	<u>DAMP PROOF COURSES</u>				
F	500 Gauge polythene sheeting laid on blinded hardcore	594	SM		
	<u>PLAIN CONCRETE CLASS P MIX (1:4:8)40mm Aggregate) as described</u>				
G	50mm Thick blinding under foundations	108	SM		
	Carried to collection below				
	<u>COLLECTION</u>				
	Brought to collection from page 1				
	Brought to collection from page 2				
	Brought to collection from above				
	TOTAL ELEMENT NO. 01 SUBSTRUCTURES CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>SECTION 1</u>				
	<u>STALLS</u>				
	<u>ELEMENT NO. 02: WALLING</u>				
	<u>INTERNAL WALL</u>				
	<u>Walling</u>				
A	200mm thick natural stone walling laid in (1:3) cement/sand mortar with and including 20 swg noop iron every second course	620	SM		
	<u>Precast concrete slabs: fairface finished bedded and jointed in cement (sand (1:3) mortar: pointed in matching cement mortar</u>				
B	50mm thick slabs	594	SM		
	<u>Sawn formwork to:-</u>				
C	Verticle sides of workshp	113	SM		
D	Ditto to horizontal soffits of workshop	594	SM		
	<u>High yield square twisted steel bar reinforced</u>				
E	8mm diameter	860	KG		
F	12mm diameter	4600	KG		
G	Mesh reinforcement No. A142 weighing 2.22 kg per square metre: in floor slab	593	SM		
	<u>Framed: bolted and welded connections; once coat red lead primer by manufacturer</u>				
H	119 x 120 x 6 mm base plate	83	NO		
I	5 mm thick stiffener gusset plate welded to base plate and stanchion collumns (ms); 250 x 300	446	NO		
J	599 mm long x 20 mm diameter bolts complete with nuts and washes cast insitu	335	NO		
K	3200mm long 100mm x 100mm x 6mm thick hot rolled mild steel square tube complete with flange, as per engineer's specifications	84	NO		
L	Ditto but 440m long	84	NO		
	TOTAL FOR ELEMENT NO. 02; WALLING CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	SECTION 1 STALLS ELEMENT NO. 3. ROOFING				
	<u>28 Gauge box profile pre-painted sheet in roof covering 100 mm lap and 75 mm side lap; bolted on and including 75 x 50mm x 4mm mild steel angles welded to 75 x 75mm x 6mm mild steel hollow section rafters (ms)</u>				
A	Roof Covering	899	SM		
B	28 gauge prepainted ridge cap	77	LM		
	<u>Framed; bolted and welded connections; one coat red lead primer by manufacturer</u>				
C	75 x 50x 3 mm RHS Rafter	884	LM		
D	50 x 50 x 3mm RHS ties	344	LM		
E	16 mm diameter bolts	486	NO		
F	12mm diameter bolts	452	NO		
G	120 x 120 x 6 mm connection plates	594	NO		
H	100 x 100 x 4mm mild steel hollow section ring beam bolted to steel columns as per engineer's details	35	LM		
I	100 x 50 x 2 mm Z-purlin	759	LM		
	<u>Rain water goods</u>				
J	250 x 125 mm Aluminium gutter gauge 16; both ends tucked under the roof; primed; painted	324	LM		
K	100 x 75 mm box downpipe; 26G prepainted aluminium 80mm dia downpipes	288	LM		
L	26G prepainted aluminium 80mm dia swan neck fitting	6	NO		
M	Ditto but rain water shoe	6	NO		
	Carried to collection on page 6				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>Prepare surfaces and apply two coats of approved primer to general surface of metal</u>				
A	Trussels	908	SM		
B	Ring Beam	396	LM		
C	Columns	468	LM		
	<u>Prepare and apply two coats undercoat and one finishing coat oil paint to general surface of wood</u>				
D	Trussels	908	SM		
E	Ring Beam	396	LM		
F	Columns	468	LM		
	Carried to collection below				
	<u>Collection</u>				
	Brought to collection from page B/5				
	Brought to collection from above				
	TOTAL FOR ELEMENT NO. D3: ROOFING CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	SECTION 1				
	<u>STALLS</u>				
	<u>ELEMENT NO. 04: SALES WORKTOP</u>				
A	100 mm concrete block walling with hoop iron in every alternate course	126	SM		
B	100mm thick 1:2:4/20mm concrete	446	SM		
C	A142 BRC Mesh	446	SM		
D	Sawn formwork to vertical sides of worktop not exceeding 100mm wide	85	LM		
E	Ditto to horizontal soffit of worktop slab	446	SM		
F	12mm thick cement/sand plaster to walls	252	SM		
G	Ditto to concrete slab	446	SM		
H	75 x 50mm hardwood frame with one labour	631	LM		
I	Ditto but with two labour	162	LM		
J	20mm thick Blockboard door with hardwood lipping all round	207	SM		
K	75mm Butt Hinges	216	PRS		
L	75mm tower bolt	216	NO		
M	100mm padlocking bolt	108	NO		
N	50 x 12 mm architrave	576	LM		
O	100mm aluminium D handles	216	NO		
P	Brass door catch	216	NO		
	<u>Prepare and apply two undercoats and one finishing coat of gloss oil paint to:-</u>				
Q	Walls	252	SM		
R	Blockboard doors	414	SM		
S	Timber surface not exceeding 100mm wide	96	LM		
	TOTAL FOR ELEMENT NO. 04; SALES WORKTOPS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (KSHS)
	<u>SECTION 1</u> <u>STALLS</u> <u>ELEMENT NO. 05</u> <u>FINISHING</u> <u>WALL FINISHES</u> <u>19mm thick cement and sand (1:4) gauged plaster on stone wall steel trawelled to:-</u>				
C	Walls internally	1241	SM		
	<u>Prepare and apply two undercoats and one finishing coat of plastic vinyl emulson paint to:-</u>				
D	Walls	1241	SM		
	TOTAL FOR ELEMENT NO. 05: FINISHES CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	ELEMENT NO. 6: ELECTRICAL INSTALLATIONS				
1.00'	<u>SHEDS</u>				
	<u>Note: The work under this element is to be carried out by a registered electrical sub-contractor subject to the approval of the Project Manager</u>				
	<u>Supply, install test and commission in accordance to BS 7671:1998, the following as described below:</u>				
	LIGHTING INSTALLATION				
A	Lighting points wired in 3 x 1.5 sq.mm PVC insulated single core copper cable drawn in 20mm dia.PVC Heavy gauge conduit concealed in building fabrics for one way switching	NO	42		
B	Ditto but two ways switching	NO	42		
	<u>10A 500V white moulded switchplates as legrand or equal and approved as described</u>				
C	One gang one way.	NO	20		
D	One gang one way.	NO	39		
	<u>Supply and install the following lighting fixtures complete with the control switchgears and lamp as per description and symbols:</u>				
E	2 x 36W bare batten fluorescent fittings surface mounted as Power Technics Manufacture or equal and approved type 48	NO	83		
	<u>SMALL POWER INSTALLATION</u>				
F	Ringmains circuit power points wired in 3 x 2.5 sq.mm PVC insulated single core copper cable draw in trunking or/and PVC Heavy gauge conduit concealed in building fabrics.	NO	78		
	500V white moulded socket plates as Legrand or equal and approved as described				
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
A	13A twin standard switched	NO	78		
B	13A single standard switched	NO	2		
	<u>POWER DISTRIBUTION AND SUBMAINS INSTALLATION</u>				
C	12Ways 160A TP surface mounted distribution board 'DB-'A' complete with integral isolator and front lockable cover for raw power as terasaki or equal and approved	NO	1		
D	6 Ways 100A DP flush mounted consumer unit CU "A", "B", "C", "D","E", "F", "G", "H" complete with integral isolator and front lockable cover for power as terasaki or equal and approved equivalent	NO	6		
	<u>MCBs for the items above</u>				
E	10A SP	NO	12		
F	30A SP	NO	12		
G	30A DP	NO	6		
H	Blankng plates	NO	33		
I	3 x 6.0 sq.mm SC PVC insulated cu cable drawn in 32mm dia HG pvc conduit from DB "B" to consumer unit CU "A", "B", "C", "D","E", "F", "G", & "H"	LM	180		
J	32mm dia HG PVC conduit	LM	180		
K	100mm x 50mm x 20 SWG metal trunking behind distribution board	LM	10		
L	400 X 350 X 120MM CABLE LOOP IN BOX	NO	8		
M	Bonding and clamping to all metal work including water pipes, gas pipes, hand-rails, air-conditioning units, window frames, cladding, metal roof etc. to the main earth for the building	Item	1		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
A	Metreboard constructed from heavy gauge 116 (16SWG) spray painted mild steel, and with capacity to house the following:- 1 No. K.P.L.Co. three phase bulk meter, K.P.L.Co. Ltd. cut-outs, 1 No. 125 TP MCB as main switch complete with necessary cable tails, fixing bolts, nuts and washers. Exclude the listed items in the meter board rate.	NO	1		
B	1 No. K.P.L. Co. Three phase bulk meter, K.P.L.Co. Ltd. cut-outs, 1 No. 125 TP MCB as main switch complete with necessary cable tails, fixing bolts, nuts and washers. Exclude the listed items in the meter board rate	NO	1		
C	<u>Earthing terminations comprising the following:</u> 15mm diameter, 1200mm long solid copper earth rod as Furse Cat. No. RC 020, complete with driving stud and spike	NO	2		
D	Earth rod-to-tape clamp type A as Furse Cat No CR 130.	NO	2		
E	Concrete inspection earth pit Cat. No. PT 005 with 5-hole earth bar as Furse Cat. No. PT 006.	NO	2		
F	1500mm x 1500mm copper earth mat made from 25mm x 3mm copper tape at 300mm spacing, buried at 600mm below ground in trench and 1000mm from foundation for system earthing and complete with all clamps, welding joints and 6m long 25mm x 3mm insulated copper tape clamped to the down conductors.	NO	2		
G	600 x 600 x 450mm power manhole with concrete surround	Item	6		
H	100mm dia PVC HG duct with 150 mm thick 1:3:6 concrete surround for linking the manholes complete with draw wire.	LM	240		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY		AMOUNT (KSHS)
	ELEMENT NO. 6 ELECTRICAL INSTALLATIONS COLLECTION Page No. 9 Page No. 10 Page No. 11				
	<u>TOTAL AMOUNT FOR ELECTRICAL INSTALLATION</u> <u>Carried to summary</u>				

ITEM	DESCRIPTION	UNIT	QTY		AMOUNT (KSHS)
	SECTION NO. 2 - STALLS SUMMARY				
	ELEMENT		FROM PAGE		
1	SUBSTRUCTURE		3		
2	WALLING		4		
3	ROOFING		6		
4	SALES WORKSHOP		7		
5	FINISHES		8		
6	ELECTRICAL INSTALLATIONS		12		
TOTAL FOR STALLS CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>SECTION 3: MARKET OFFICE AND STORE</u>				
	<u>ELEMENT NO. 1: SUBSTRUCTURES</u>				
A	Site excavate to reduce levels commencing from existing ground level: not exceeding 1.5m deep 150mm deep; from soil from site	CM	102		
B	Excavate for strip foundation trenches commencing from reduced level: not exceeding 1.5m deep	SM	72		
C	Ditto column bases	CM	1		
D	Return, fill and ram selected soil in foundations	CM	44		
E	Remove surplus soil from site to a place approved by local authority	CM	29		
	<u>Mass concrete mix (1:4:8):in</u>				
F	50mm thick binding under strip foundations	SM	30		
G	Ditto to column bases	SM	1		
	<u>Vibrated reinforced insitu concrete class 20/20; with minimum cube crushing strength of 20 N/mm² at 28 days; in</u>				
H	150mm thick ground floor slab	SM	80		
I	Strip foundations	CM	6		
J	Column bases	CM	1		
K	Columns	CM	1		
	<u>Supply and fix steel bar in structural concrete work including cutting, bending, hoisting, tying wire, spacing blocks and supporting all in position</u>				
L	8mm Bars	kg	199		
M	10mm Bars	kg	267		
N	12mm Bars	kg	1334		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	Brought forward				-
	<u>Mesh fabric reinforcement</u>				
A	Mesh reinforcement No. A142 size 200 x 200 mm weighing 2.22 kg per square metre: in floor slabs including all necessary supports	SM	80		
	<u>Sawn formwork: to</u>				
B	Edges: slabs 75 - 150 mm girth	M	72		
C	Vertical sides; strip footing; 200 mm high	M	20		
D	Vertical sides column bases	SM	1		
E	Vertical sides; columns	SM	1		
	<u>Walls</u>				
F	200 mm Thick natural coral stone foundation walls: machine dressed square: bedded and jointed in cement and sand (1:4) mortar	SM	59		
	<u>Hardcore</u>				
G	300mm thick hardcore of approved inert material: well watered and compacted in 150mm thick (maximum) layers	SM	80		
	<u>Blinding</u>				
H	50 mm Thick approved quality murrum blinding to surfaces of hardcore	SM	80		
	<u>Anti-termite treatment</u>				
I	Approved anti-termite chemical treatment: applied by approved professional pest control specialist: applied strictly in accordance with the manufacturer's instructions: 10 year guarantee	SSM	80		
	<u>DPM</u>				
J	Gauge 1000 polythene damp proof membrane	SM	80		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	Brought forward				
A	25mm Thick cement and sand (1:4) rendering: on concrete or stonework: wood float finished: to Plinths: externally	SM	18		
	<u>Prepare surfaces and apply undercoat and two finishing coats black bitumastic or other equal approved water resistant paint: on rendered surfaces: to</u>				
B	Plinths: externally	SM	18		
	Total carried to collection below brought forward from page				
	Carried to collection below <u>Collection</u>				
	Brought to collection from page 14				
	Brought to collection from page 15				
	Brought to collection from above				
	TOTAL FOR ELEMENT NO. 1: SUBTRACTORS				
	CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	SECTION 2: MARKET OFFICE AND STORE				
	ELEMENT NO. 2: R.C. SUPER STRUCTURE				
	<u>Sawn formwork: to</u>				
A	Sides and soffits: beams and lintols	SM	32		
B	Verticle sides; columns	SM	2		
C	Edges of bed; 75 - 150mm girth	M	8		
	<u>Supply and fix square twisted steel bar in structural concrete work including cutting, bending, hoisting, tying wire, spacing blocks and supporting all in position</u>				
D	8 mm Bars	kg	171		
E	12 mm Bars	kg	228		
	<u>Vibrated reinforced insitu concrete class 20/20; with minimum cube crushing strength of 20N/mm² at 28 days: in</u>				
F	Ringbeams and lintos	CM	3		
G	Columns	CM	1		
	ELEMENT NO. 2. REINFORCED CONCRETE				
	SUPERSTRUCTURE CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>SECTION 2: MARKET OFFICE AND STORE</u>				
	<u>ELEMENT NO. 3: WALLS</u>				
	<u>External walls</u>				
	Machne dressed natural stone walling bedded in cement and sand mortar (1:4) with minimum stone crushing strength of 7N/mm ²				
A	200 mm Thick walls	SM	96		
B	Extra pver external walling for pointing	SM	96		
	Bituminous felt or other equal approved damp-proof course: in cement/sand (1:3) mortar				
C	200 mm Wide Internal	M	45		
	Natural stone walls; machine cut: bedded and jointed in cement and sand (1:4) mortar				
D	200 mm Thick walls	SM	19		
	TOTAL FOR ELEMENT NO. 3; WALLS CARRIED				
	TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>SECTION 2: MARKET OFFICE AND STORE</u>				
	<u>ELEMENT NO. 4; ROOF</u>				
	<u>Mild steel sectins and plates: once coat prefabrication primer: anti-rust treatment: 6mm fillet seld to all joints: to structural engineer's detail and approval</u>				
	<u>The following in cell cured cypress timber: hoisted to a height of approximately 3.5 m above ground level</u>				
A	150 x 50 mm trussed rafters	M	43		
B	150 x 50 mm king post	M	48		
C	75 x 50 mm ties and structs	M	65		
D	75 x 50 mm purlins @ 900 mm max.	M	88		
E	175 x 175 x 6 mm Thick mild steel plate welded to ends of rafters	NO	0		
F	16 mm Diameter rawl bolts: 150 mm long: nuts and washers: including drilling holes through steel members and grouting into concrete beam as necessary and to approval	NO	40		
	<u>28 Gauge box profile pre-painted sheet roof covering 100 mm lap and 75 mm side lap; bolted on and including 75 x 50mm x 4mm mild steel angles welded to 75 x 75mm x 6mm mild steel hollow section rafters (ms)</u>				
G	Roof	SM	108		
H	Ridge, hip ridges	M	35		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	Brought forward				
	<u>Wrot cypress; prime grade; selected</u>				
A	T&g boarding fixed to close eaves with 20 mm gaps; approved mosquito gauze; fixing on and including timber bearers	SM	35		
B	25 x 225mm fascia/barge boards	M	40		
C	Prepare surface: apply three coats Crown gloss oil paint or other equal approved: on timber surface: to Eaves	SM	35		
D	Fascias; 200 - 300mm girth	M	40		
	carried to collection here below				
	collection				
	page 19				
	From above				
	TOTAL FOR ELEMENT NO. 4; ROOF CARRIED TO				
	SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>SECTION 2: MARKET OFFICE AND STORE</u>				
	<u>ELEMENT NO. 5; WINDOWS</u>				
	<u>Clay window cill: bedded and jointed in cement (sand (1:3) mortar : pointed in matching coloured</u>				
A	Windows	M	11		
	<u>Wrot mahogany: prime grade</u>				
B	Pelmet box: 200 x 25 mm top: 200 x 25 fascial: 38 x 38 mm bearer: 25 x 200 mm return ends	M	15		
C	150 x 25 mm Thick window board	M	14		
	<u>Prepare and apply one coat of aluminium woee primer on timer surfaces in contact with concrete or masonry</u>				
D	Not exceeding 100 mm girth	M	15		
E	Over 100 but not exceeding 200 mm girth: window board	M	14		
	<u>Prepare surfaces: apply three coats polyurethane varnish on wood: to surfaces</u>				
F	Surfaces over 100 but not exceeding 200 mm girth: window board	M	14		
G	General surfaces: pelmet boxes	SM	4		
	<u>Heavy duty brass curtain rail to architects details and approval</u>				
H	Double curtain rail: with and including 150mm laps: runners at 100 mm centres: stoppers	M	15		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	Brought forward				
	<u>Mild steel casement windows: custom made: approved grills; sections to architects details: approved ironmongery: (glass m.s)</u>				
A	Windows; overall size 1200 x 1500 mm high Burglarproofing grilles	NO	9		
	<u>Galvanised mild steel grille framed with 40 x 25 x 3mm thick R.H.S. sections including assembly to architects details</u>				
B	Windows; overall size 1200 x 1500 mm high	NO	9		
	<u>4mm Thick glss and glazing to casements with linseed putty</u>				
C	Windows	SM	16		
	<u>Prepare surfaces, three coats gloss oil paint to metal surfaces</u>				
D	Windows internally	SM	16		
E	Windows externally	SM	16		
	Carried to collection below				
	Collection				
	page 21				
	From collection above				
	TOTAL FOR ELEMENT NO. 5; WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>SECTION 2: MARKET OFFICE AND STORE</u>				
	<u>ELEMENT NO. 6: DOORS</u>				
	<u>Timber doors</u>				
A	900 x 2100 mm High solid cored flush door; hardwood veneered and lipped edges	No	1		
	<u>Wrot cypress: prime grade</u>				
B	150 x 50 mm Door frame: rebated; plugged	M	5		
C	40 x 25 mm Architrave: splayed	M	5		
D	25 mm Quadrant	M	5		
	<u>Prepare surfaces: apply three coats Crown Solo gloss paint or other equal approved: on timber surfaces: to</u>				
E	Over 200 but not exceeding 300 mm girth including all beadings	M	5		
F	General timber surfaces: doors	SM	4		
	<u>Metal Doors</u>				
G	1200 x 2400 mm Steel casement door in two equal leaves custom made: all sections to architects detail and approval: including permanent ventilators and burglar-proofing grilles: approved ironmongery: including glazing in 4 mm thick clear glass; one coat pre-fabrication primer; paint	No	1		
H	900 x 2400 mm Steel casement door: custom made: all sections to architects detail and approval: including permanent ventilators and burglar-proofing grilles: approved ironmongery: including glazing in 4 mm thick clear glass; one coat pre-fabrication primer; paing	No	1		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	Brought forward				-
	<u>supply and fix Assa Abloy™ or other equal iron mongery matching screws: locks to include a set of 3 keys: available from their authorized local dealers; aluminium finish to architects approval</u>				
A	100 mm mild steel butt hinges	Prs	6		
B	3 lever rebated door lock with handles	No	2		
C	3 lever steel casement rebated door lock complete with handles	No	2		
D	Two lever mortice lock with handles	No	1		
E	38 mm Diameter rubber door stop	No	4		
	Carried to Collection below collection Page 23 Carried from above				
	TOTAL FOR ELEMENT NO. 6; DOORS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>ELEMENT NO. 7; MARKET OFFICE AND STORE</u>				
	<u>FLOOR FINISHED</u>				
	<u>Screed: cement and sand (1:4) on concrete</u>				
A	30 mm thick; finished to receive floor tiles	SM	80		
	<u>Supply and fix coloured non-slip floor tiles: on screed (m/s): joints pointed in matching cement grout to approval</u>				
B	300 x 300 x 10 mm Thick tiles	SM	80		
C	Tile Skirting	M	61		
	<u>WALL FINISHES: Internal wall finishes</u>				
	<u>Plaster: 12 mm cement/lime putty/sand: steel trowelled: on masonry or concrete: to</u>				
D	Walls and concrete surfaces	SM	156		
	<u>Prepare surfaces: apply three coats Crown Solo vinyl emulsion paint or other equal approved: on steel trowelled plaster: to</u>				
E	Walls and concrete surfaces internally	SM	156		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	Brought forward				-
	<u>External render in cement and sand (1:4); steel trowelled: on masonry : to</u>				
A	Walls and concrete surfaces	SM	64		
	<u>Prepare surfaces: apply three coats first grade permaplast paint: to rendered surfaces</u>				
B	Walls or concrete surfaces	SM	64		
	<u>CEILING FINISHES</u>				
	<u>Chipboard or other equal approved ceiling fixed on and including 50 x 50 mm cypress timber branderina: to</u>				
C	Ceiling including cornice	SM	80		
D	125 x 125 moulded cornice	M	61		
	<u>Prepare surfaces: apply three coats Crown Solo vinyl emulsion paint or other equal approved: on timber surfaces: to</u>				
E	Ceilings internally including cornice	SM	80		
	Carried to collection				
	collection				
	Page 25				
	Collection				
	From above				
	TOTAL FOR ELEMENT NO. 7; FINISHES CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<p><u>MARKET OFFICE AND STORE</u> <u>ELEMENT NO. ELECTRICAL INSTALLATIONS</u></p> <p><u>Note: The work under this element is to be carried out by a registered Electrical sub-contractor subject to the approval of the project manager</u></p>				
1.00'	<p><u>CAFETERIA</u> <u>Supply, install, test and commission in accordance to BS 7671:1998, the following as described below:</u></p>				
A	<p><u>LIGHTING INSTALLATION</u> Lighting points wired in 3 x 1.5 sq mm PVC insulated single core copper cable drawn in 20mm dia.PVC Heavy gauge conduit concealed in building</p>	No	4		
	<p><u>10A 500V white moulded switchplates as legrand or equal and approved as described</u></p>				
B	One gang one way	No	1		
C	One gang two way	No	2		
D	One gand intermediate switch	No	1		
	<p><u>Supply and install the following lighting fixtures complete with the control switchgears and lamp as per description and symbols</u></p>				
E	2 x 36W linear flourescent lamps with satin brite louvres surface mounted as Power Technics Manufacture or equal and approved equivalent. Type 4A	No	2		
F	1x 36W linear flourescent lamps with prismatic diffuser surface mounted as Power Technics Manufacture or equal and approved equivalent. Type 4D.	No.	1		
G	Slim circular ceiling luminaire in satin crome finish with 2D 16W lamps as Thorn Novaline or equal and approved equivalent.Type A.	No	2		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>SMALL POWER INSTALLAION</u>				
A	Ringmains circuit power points wired in 3x 2.5 s.q mm PVC insulated single core copper cable drawn in trunking or/and PVC Heavy gauge conduit concealed in building fabrics	No	1		
B	Radial circuit power points wired in 5x 4 sq.mm PVC insulated single core copper cable drawn in trunking or/and 25mm dia Heavy gauge PVC conduit surface mounted in building fabrics for 16A TPN Isolators.	No	3		
C	Radial circuit power points wired in 5 x6 sq.mm insulated single core copper cable drawn in trunking or/and 25 mm dia Heavy gauge PVC conduit surface mounted in building fabrics for 32A TPN isolators	NO	5		
	500V white moulded socket plates as legrand or equal and approved as described:				
D	13A twin standard switched	NO	3		
E	switched	No	2		
F	20A DP switch with neon indicator	No	1		
G	16A TPN Isolator switch	No	1		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>POWER DISTRIBUTIN AND SUBMAINS INSTALLATION</u>				
A	10 Ways 100A TPN surface mounted Distribution Board DB "B", complete with integral isolator and front lockable cover fro raw power as Teraski or equal and approved	No	1		
B	<u>MCBs for the items above</u> 10A SP	No	1		
C	30A SP	No	1		
D	16A TPN	No	1		
E	30A TPN	No	3		
F	Blanking plates	No	3		
G	4 x 50.0 sq.mm PVC/SWA/PVC + 1 X 25SQ.MM ECC single core PVC insulated copper cables burried in the ground and or through a 50 dia HG PVC conduit (measured elsewhere) from DB "A" to DB"B" complete with cable lugs and cable ties. (To be confirmed on site)	LM	72		
H	100A TP MCB to be installed in the DB 'A'	No	1		
I	50mm dia HG PVC conduit (To be confirmed on site)	LM	72		
J	100 mm x 50mm x 20 SWG metal trunking behind distribution board	LM	5		
K	400 x 350 x 120mm cable loop in box	No	1		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<p><u>ELEMENT NO. 9</u></p> <p><u>ELECTRICAL INSTALLATIONS</u></p> <p style="text-align: center;"><u>COLLECTION</u></p> <p>Page No. 27</p> <p>Page No. 28</p> <p>Page No. 29</p> <p><u>TOTAL AMOUNT FOR ELECTRICAL INSTALLATIONS</u> <u>Carried to Summary</u></p>				

ITEM	DESCRIPTION	PAGE			AMOUNT (KSHS)
	SECTION TO NO. 3. MARKET OFFICE AND STORE				
	<u>SUMMARY</u>				
1	SUBSTRUCTURES	3			
2	R.C. SUPERSTRUCTURE	5			
3	WALLS & PARTITIONS	7			
4	ROOF	8			
5	WINDOWS	19			
6	DOORS	12			
7	FINISHES	15			
8	ELECTRICAL INSTALLATIONS	19			
	TOTAL FOR MARKET OFFICE & STORE CARRIED				
	TO GRAND SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>SECTION 4: MARKET STALLS</u>				
	<u>ELEMENT NO. 1: SUBSTRUCTURES</u>				
A	Site excavate to reduce levels commencing from existing ground level: not exceeding 1.5m deep 150mm deep; cart away from top soil from site	SM	96		
B	Excavate for strip foundation trenches commencing from reduced level: not exceeding 1.5m deep	CM	114		
C	Ditto column bases	CM	24		
D	Return, fill and ram selected soil in foundations	CM	96		
E	Remove surplus soil from site to a place approved by local authority	CM	71		
	<u>Mass concrete mix (1:4:8):in</u>				
F	50mm thick binding under strip foundations	SM	78		
G	Ditto to column bases	SM	17		
	<u>Vibrated reinforced insitu concrete class 20/20; with minimum cube crushing strength of 20 N/mm² at 28 days; in</u>				
H	150mm thick ground floor slab	SM	96		
I	Strip foundations	CM	16		
J	Column bases	CM	5		
K	Columns	CM	2		
	<u>Supply and fix steel bar in structural concrete work including cutting, bending, hoisting, tying wire, spacing blocks and supporting all in position</u>				
L	8mm Bars	kg	700		
M	10mm Bars	kg	650		
N	12mm Bars	kg	1960		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	Brought forward				
	<u>Mesh fabric reinforcement</u>				
A	Mesh reinforcement No. A142 size 200 x 200 mm weighing 2.22 kg per square metre: in floor slabs including all necessary supports	SM	96		
	<u>Sawn formwork: to</u>				
B	Edges: slabs 75 - 150 mm girth	M	86		
C	Vertical sides; strip footing; 200 mm high	M	252		
D	Vertical sides column bases	SM	35		
E	Vertical sides; columns	SM	62		
	<u>Walls</u>				
F	200 mm Thick natural quarry stone foundation walls: bedded and jointed in cement and sand (1:4) mortar	SM	325		
	<u>Hardcore</u>				
G	300mm thick hardcore of approved inert material: well watered and compacted in 150mm thick (maximum) layers	SM	96		
	<u>Blinding</u>				
H	50 mm Thick approved quality murrum blinding to surfaces of hardcore	SM	96		
	<u>Anti-termite treatment</u>				
I	Approved anti-termite chemical treatment: applied by approved professional pest control specialist: applied strictly in accordance with the manufacturer's instructions: 10 year guarantee	SSM	96		
	<u>DPM</u>				
J	Gauge 1000 polythene damp proof membrane	SM	96		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	Brought forward				
	25mm Thick cement and sand (1:4) rendering: on concrete or stonework: wood float finished: to				
A	Plinths: externally	SM	26		
	<u>Prepare surfaces and apply undercoat and two finishing coats black bitumastic or other equal approved water resistant paint: on rendered surfaces: to</u>				
B	Plinths: externally	SM	26		
	Total carried to collection below brought forward from page				
	Carried to collection below				
	<u>Collection</u>				
	Brought to collection from page 14				
	Brought to collection from page 15				
	Brought to collection from above				
	TOTAL FOR ELEMENT NO. 1: SUBSTRUCTORS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	SECTION 2: MARKET STALLS				
	ELEMENT NO. 2: R.C. SUPER STRUCTURE				
	<u>Sawn formwork: to</u>				
A	Sides and soffits: beams and lintols	SM	58		
B	Verticle sides; columns	SM	62		
C	Edges of bed; 75 - 150mm girth	M	0		
	<u>Supply and fix square twisted steel bar in structural concrete work including cutting, bending, hoisting, tying wire, spacing blocks and supporting all in position</u>				
D	8 mm Bars	kg	230		
E	12 mm Bars	kg	1470		
	<u>Vibrated reinforced insitu concrete class 20/20; with minimum cube crushing strength of 20N/mm² at 28 days: in</u>				
F	Ringbeams and lintos	CM	6		
G	Columns	CM	5		
	ELEMENT NO. 2. REINFORCED CONCRETE				
	SUPERSTRUCTURE CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY		
	<u>SECTION 2: MARKET OFFICE AND STORE</u>				
	<u>ELEMENT NO. 3: WALLS</u>				
	<u>External walls</u>				
	Machine dressed natural stone walling bedded in cement and sand mortar (1:4) with minimum stone crushing strength of 7N/mm ²				
A	200 mm Thick walls	SM	210		
B	Extra pver external walling for pointing	SM	210		
	Bituminous felt or other equal approved damp-proof course: in cement/sand (1:3) mortar				
C	200 mm Wide Internal	M	126		
	Natural stone walls; machine cut: bedded and jointed in cement and sand (1:4) mortar				
D	200 mm Thick walls	SM	111		
	TOTAL FOR ELEMENT NO. 3; WALLS CARRIED				
	TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>SECTION 2: MARKET OFFICE AND STORE</u>				
	<u>ELEMENT NO. 4; ROOF</u>				
	<u>Mild steel sectins and plates: once coat prefabrication primer: anti-rust treatment: 6mm fillet seld to all joints: to structural engineer's detail and approval</u>				
	<u>The following in cell cured cypress timber: hoisted to a height of approximately 3.5 m above ground level</u>				
A	150 x 50 mm trussed rafters	M	147		
B	150 x 50 mm king post	M	18		
C	75 x 50 mm ties and structs	M	43		
D	75 x 50 mm purlins @ 900 mm max.	M	209		
E	100 x 50 mm wallplate	M	40		
F	12 mm Diameter bolts: 150 mm long: nuts and washers: including drilling holes through the wallplate	NO	80		
	<u>28 Gauge box profile pre-painted sheet roof covering 100 mm lap and 75 mm side lap; bolted on and including 75 x 50mm x 4mm mild steel angles welded to 75 x 75mm x 6mm mild steel hollow section rafters (ms)</u>				
G	Roof	SM	168		
H	Ridge, hip ridges	M	0		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	Brought forward				
	<u>Wrot cypress; prime grade; selected</u>				
A	T&g boarding fixed to close eaves with 20 mm gaps; approved mosquito gauze; fixing on and including timber bearers	SM	52		
B	25 x 225mm fascia/arge boards	M	40		
	Prepare surface: apply three coats Crown gloss oil paint or other equal approved: on timber surface: to				
C	Eaves	SM	52		
D	Fascias; 200 - 300mm girth	M	40		
	carried to collection here below				
	collection				
	page 37				
	From above				
	TOTAL FOR ELEMENT NO. 4; ROOF CARRIED TO				
	SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>SECTION 2: MARKET STALLS</u>				
	<u>ELEMENT NO. 5; WINDOWS</u>				
	<u>Clay window cill: bedded and jointed in cement (sand (1:3) mortar : pointed in matching coloured</u>				
A	Windows	M	40		
	<u>Wrot mahogany: prime grade</u>				
B	Pelmet box: 200 x 25 mm top: 200 x 25 fascial: 38 x 38 mm bearer: 25 x 200 mm return ends	M	0		
C	150 x 25 mm Thick window board	M	40		
	<u>Prepare and apply one coat of aluminium woee primer on timer surfaces in contact with concrete or masonry</u>				
D	Not exceeding 100 mm girth	M	0		
E	Over 100 but not exceeding 200 mm girth: window board	M	40		
	<u>Prepare surfaces: apply three coats polyurethane varnish on wood: to surfaces</u>				
F	Surfaces over 100 but not exceeding 200 mm girth: window board	M	40		
G	General surfaces: pelmet boxes	SM	0		
	<u>Heavy duty brass curtain rail to architects details and approval</u>				
H	Double curtain rail: with and including 150mm laps: runners at 100 mm centres: stoppers	M	0		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	Brought forward				-
	<u>Mild steel casement windows: custom made: approved grills; sections to architects details: approved ironmongery: (glass m.s)</u>				
A	Windows; overall size 1000 x 1800 mm high Burglarproofing grilles	NO	18		
	<u>Galvanised mild steel grille framed with 40 x 25 x 3mm thick R.H.S. sections including assembly to architects details</u>				
B	Windows; overall size 1200 x 1500 mm high	NO	0		
	<u>4mm Thick glss and glazing to casements with linseed putty</u>				
C	Windows	SM	0		
	<u>Prepare surfaces, three coats gloss oil paint to metal surfaces</u>				
D	Windows internally	SM	33		
E	Windows externally	SM	33		
	Carried to collection below				
	Collection				
	page 21				
	From collection above				
	TOTAL FOR ELEMENT NO. 5; WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>SECTION 2: MARKET OFFICE AND STORE</u>				
	<u>ELEMENT NO. 6: DOORS</u>				
	<u>Timber doors</u>				
A	900 x 2100 mm High solid cored flush door; hardwood veneered and lipped edges	No	0		
	<u>Wrot cypress: prime grade</u>				
B	150 x 50 mm Door frame: rebated: plugged	M	0		
C	40 x 25 mm Architrave: splayed	M	0		
D	25 mm Quadrant	M	0		
	<u>Prepare surfaces: apply three coats Crown Solo gloss paint or other equal approved: on timber surfaces: to</u>				
E	Over 200 but not exceeding 300 mm girth including all beadings	M	0		
F	General timber surfaces: doors	SM	0		
	<u>Metal Doors</u>				
G	1000 x 2700 mm Steel casement door in two equal folding leaves custom made: all sections to architects detail and approval: including permanent ventilators and burglar-proofing grilles: approved ironmongery: including glazing in 4 mm thick clear glass; one coat pre-fabrication primer; paint	No	18		
H	900 x 2400 mm Steel casement door: custom made: all sections to architects detail and approval: including permanent ventilators and burglar-proofing grilles: approved ironmongery: including glazing in 4 mm thick clear glass; one coat pre-fabrication primer; paing	No	0		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	Brought forward				-
	<u>supply and fix Assa Abloy™ or other equal iron mongery matching screws; locks to include a set of 3 keys; available from their authorized local dealers; aluminium finish to architects approval</u>				
A	100 mm mild steel butt hinges	Prs	0		
B	3 lever rebated door lock with handles	No	0		
C	3 lever steel casement rebated door lock complete with handles	No	18		
D	Two lever mortice lock with handles	No	0		
E	38 mm Diameter rubber door stop	No	18		
	Carried to Collection below collection Page 23 Carried from above				
	TOTAL FOR ELEMENT NO. 6; DOORS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>ELEMENT NO. 7; MARKET STALLS</u>				
	<u>FLOOR FINISHED</u>				
	<u>Screed: cement and sand (1:4) on concrete</u>				
A	30 mm thick; finished to receive floor tiles	SM	288		
	<u>Polished terrazzo finish: patten to be approved by architect.</u>				
B	15 mm terrazzo finish	SM	288		
C	100 mm Terrazzo skirting	M	144		
	<u>WALL FINISHES: Internal wall finishes</u>				
	<u>Plaster: 12 mm cement/lime putty/sand: steel trowelled: on masonry or concrete: to</u>				
D	Walls and concrete surfaces	SM	378		
	<u>Prepare surfaces: apply three coats Crown Solo vinyl emulsion paint or other equal approved: on steel trowelled plaster: to</u>				
E	Walls and concrete surfaces internally	SM	378		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
A	<u>External render in cement and sand (1:4): steel trowelled: on masonry : to</u> Walls and concrete surfaces	SM	136		
B	<u>Prepare surfaces: apply three coats first grade permaplast paint: to rendered surfaces</u> Walls or concrete surfaces	SM	136		
<u>CEILING FINISHES</u>					
C	<u>Chipboard or other equal approved ceiling fixed on and including 50 x 50 mm cypress timber branderina: to</u> Ceiling including cornice	SM	72		
D	125 x 125 moulded cornice	M	144		
E	<u>Prepare surfaces: apply three coats Crown Solo vinyl emulsion paint or other equal approved: on timber surfaces: to</u> Ceilings internally including cornice	SM	72		
Carried to collection					
collection					
Page 43					
From above					
TOTAL FOR ELEMENT NO. 7; FINISHES CARRIED TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>MARKET STALLS</u> <u>ELEMENT NO. ELECTRICAL INSTALLATIONS</u>				
	<u>Note: The work under this element is to be carried out by a registered Electrical sub-contractor subject to the approval of the project manager</u>				
1.00'	<u>Stalls Inside</u> <u>Supply, install, test and commission in accordance to BS 7671:1998, the following as described below:</u>				
	<u>LTIGHTING INSTALLATION</u> Lighting points wired in 3 x 1.5 sq mm PVC insulated single core copper cable drawn in 20mm dia.PVC Heavy gauge conduit concealed in building	No	18		
A					
	<u>10A 500V white moulded switchplates as legrand or equal and approved as described</u>				
B	One gang one way	No	18		
C	One gang two way	No	0		
D	One gand intermediate switch	No	0		
	<u>Supply and install the following lighting fixtures complete with the control switchgears and lamp as per description and symbols</u>				
	2 x 36W linear flourescent lamps with satin brite louvres surface mounted as Power Technics Manufacture or equal and approved equivalent. Type 4A	No	0		
E					
	1x 600 x 36W linear flourescent lamps with prismatic diffuser surface mounted as Power Technics Manufacture or equal and approved equivalent. Type 4D.	No.	18		
F					
	Slim circular ceiling luminaire in satin crome finish with 2D 16W lamps as Thorn Novaline or equal and approved equivalent.Type A.	No	0		
G					
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>SMALL POWER INSTALLAION</u>				
A	Ringmains circuit power points wired in 3x 2.5 s.q mm PVC insulated single core copper cable drawn in trunking or/and PVC Heavy gauge conduit concealed in building fabrics	No	18		
B	Radial circuit power points wired in 5x 4 sq.mm PVC insulated single core copper cable drawn in trunking or/and 25mm dia Heavy gauge PVC conduit surface mounted in building fabrics for 16A TPN Isolators.	No	0		
C	Radial circuit power points wired in 5 x6 sq.mm insulated single core copper cable drawn in trunking or/and 25 mm dia Heavy gauge PVC conduit surface mounted in building fabrics for 32A TPN isolators	NO	0		
	500V white moulded socket plates as legrand or equal and approved as described:				
D	13A twin standard switched	NO	18		
E	switched	No	0		
F	20A DP switch with neon indicator	No	0		
G	16A TPN Isolator switch	No	0		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY		
	<u>POWER DISTRIBUTIN AND SUBMAINS INSTALLATION</u>				
A	10 Ways 100A TPN surface mounted Distribution Board DB "B", complete with integral isolator and front lockable cover fro raw power as Teraski or equal and approved	No	1		
B	<u>MCBs for the items above</u> 10A SP	No	1		
C	30A SP	No	1		
D	16A TPN	No	1		
E	30A TPN	No	3		
F	Blanking plates	No	3		
G	4 x 50.0 sq.mm PVC/SWA/PVC + 1 X 25SQ.MM ECC single core PVC insulated copper cables burried in the ground and or through a 50 dia HG PVC conduit (measured elsewhere) from DB "A" to DB"B" complete with cable lugs and cable ties. (To be confirmed on site)	LM	120		
H	100A TP MCB to be installed in the DB 'A'	No	1		
I	50mm dia HG PVC conduit (To be confirmed on site)	LM	72		
J	100 mm x 50mm x 20 SWG metal trunking behind distribution board	LM	5		
K	400 x 350 x 120mm cable loop in box	No	1		
L	Allow a sum of Kshs. 150,000.00 for contigency on electrical works	Item			
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>ELEMENT NO. 9</u> <u>ELECTRICAL INSTALLATIONS</u> <u>COLLECTION</u> Page No. 27 Page No. 28 Page No. 29				
	<u>TOTAL AMOUNT FOR ELECTRICAL INSTALLATIONS</u> <u>Carried to Summary</u>				

ITEM	DESCRIPTION	PAGE			AMOUNT (KSHS)
	<u>SECTION TO NO. 3. MARKET OFFICE AND STORE</u>				
	<u>SUMMARY</u>				
1	SUBSTRUCTURES	3			
2	R.C. SUPERSTRUCTURE	5			
3	WALLS & PARTITIONS	7			
4	ROOF	8			
5	WINDOWS	19			
6	DOORS	12			
7	FINISHES	15			
8	ELECTRICAL INSTALLATIONS	19			
	TOTAL FOR CAFETERIA BLOCK CARRIED TO GRAND SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>SECTION 5: 2 No. ABLUTION BLOCK</u>				
	<u>ELEMENT NO. 1</u>				
	<u>SUBSTRUCTURES (PROVISIONAL)</u>				
A	Site excavate to reduce levels commencing from existing ground level: not exceeding 1.5m deep: 150mm deep; from soil from site	SM	113		
B	Excavate for strip foundation trenches commencing from reduced level: not exceeding 1.5m deep	CM	116		
C	Return, fill and ram selected soil in foundations	CM	39		
D	Remove surplus soil from site to a place approved by local authority	CM	77		
	<u>Mass concrete mix (1:4:8): in</u>				
F	50 mm Thick blinding under strip foundations	SM	58		
	<u>Vibrated reinforced insitu concrete class 20/20: with minimum cube crushing strength of 20 N/mm² at 28 days: in</u>				
G	150 mm Thick ground floor slab	SM	110		
H	Strip foundations	CM	12		
	<u>Supply and fix steel bar in structural concrete work including cutting, bending, hoisting, tying wire, spacing blocks and supporting all in position</u>				
I	8mm Bars	kg	514		
J	10mm Bars	kg	985		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	Brought forward				
	<u>Mesh fabric reinforcement</u>				
A	Mesh reinforcement No. A96 size 200x 200 mm: in floor slab: including all supports	SM	110		
	<u>Sawn formwork:to</u>				
B	Edges slabs 75 - 150 mm girthe	M	32		
C	Verticle sides: strip footing: 200 mm high	SM	40		
	<u>Walls</u>				
D	200mm Thick natural coral stone foundation walls: machinge dressed square: bedded and jointed in cement and sand (1:4) mortar	SM	100		
	<u>Hardcore</u>				
E	300mm thick hardcore of approved inert material: well watered and compacted in 150mm thick (maximum) layers	SM	110		
	<u>Blinding</u>				
F	50mm Thick approved quality murram blinding to surfaces of hardcore	SM	110		
	<u>Anti-termite treatment</u>				
G	Approved anti-termite chemical treatment: applied by approved professiona pest control specialistL applied strictly in accordance with the manufacturer's instructions: 10 year guarantee	SM	110		
	<u>DPM</u>				
H	Gauge 1000 polythene damp proof membrane	SM	110		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	Brought forward				
	<u>25mm Thick cement and sand (1:4) rendering: on concrete or stonework: wood float finished: to</u>				
A	Plinths externally	SM	6		
	<u>Prepare surfaces and apply undercoat and two finishing coats black bitumastic or other equa approved water resistant paint: on</u>				
B	Plinths: externally	SM	6		
	Carried to collection				
	Collection				
	From collection above				
	<u>TOTAL FOR ELEMENT NO. 1: SUBSTRUCTURES CARRIED TO SUMMARY</u>				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>SECTION 4: ABLUTION BLOCK</u>				
	<u>ELEMENT NO. 2; R.C SUPERSTRUCTURE</u>				
	<u>Sawn formwork: to</u>				
A	Sides and soffits: beams and lintols	SM	60		
	<u>Supply and fix square twisted steel bar in structural concrete work including cutting, bending, hoisting, tying wire, spacing blocks and supporting all in position</u>				
B	8mm Bars	kg	342		
C	12mm Bars	kg	457		
	<u>Vibrated reinforced insitu concrete class 20/mm² at 28 days:in</u>				
D	Ringbeams and lintols	CM	8		
	TOTAL ELEMENT NO. 2 REINFORCED CONCRETE STRUCTURE CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>SECTION 4: ABLUTION BLOCK</u>				
	<u>ELEMENT NO. 3; WALLS & PARTITIONS</u>				
	<u>External walls</u>				
	<u>Machine dressed natural stone walling bedded in cement and sand mortar (1:4) with minimum stone crushing strength of 7N/mm²</u>				
A	200mm Thick walls	SM	130		
B	Pre-cast concrete coping; 300 x 75mm thick bedded and jointed in (1:3) mortar	M	45		
C	Extra over external walling for painting	SM	130		
	<u>Bituminous felt or other equal approved damp-proof course: in cement/sand (1:3) mortar</u>				
D	200 mm Wide	M	23		
	<u>Internal</u>				
	<u>Natural stone walls: machine cut: bedded and jointed in cement and sand (1:4) mortar</u>				
E	100mm Thick walls	SM	35		
	<u>Bituminous felt or other equal approved damp-proof course: in cement/sand (1:3) mortar</u>				
F	100mm Wide	M	35		
	TOTAL FOR ELEMENT NO. 3; WALLS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	SECTION 4; ABLUTION BLOCK				
	ELEMENT NO. 4: ROOF FINISHES				
	<u>The following in structural cypress timber: hoisted to a height of approximately 3,5.0 m above around level</u>				
A	150 x 50 mm trussed rafters @ 1800 mm	M	51		
B	150 x 50 mm kingpost	M	56		
C	75x 50 mm ties and struts	M	78		
D	75 x 50 mm purlins @ 900mm max,	M	105		
E	175 x 172 x 6mm Thick mild steel plate welded to ends of rafters	NO	0		
F	16 mm Diameter rawl bolts: 150mm long nuts and washers: including drilling holes through steel members and grouting into concrete beam as necessary and to approval	NO	49		
	<u>26 Gauge pure aluminium troughed tower metcoppo profile pre-painted sheet roof covering 100mm lap and 75mm side lap; bolted on and including 75 x 4mm x 4mm mild steel angles welded to 75 x 75mm x 6mm mild steel hollow section rafters (ms)</u>				
G	Roof	SM	129		
H	Ridge, hip ridges	M	13		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	Brought forward				
	<u>Wrot cypress; prime grade; selected</u>				
A	T & G boarding fixed to close eaves with 20mm gaps; approved mosquito gauze; fixing on and including timber bearers	SM	49		
B	25 x 225mm fascia/barge boards	M	68		
	<u>Prepare surfaces: apply three coats Crown gloss oil paint or other equa approved: on timber surfaces: to</u>				
C	Eaves	SM	49		
D	Fascias; 200 - 300mm girth	m	68		
	Carried to collection below				
	Collection				
	Page 37				
	From above				
	TOTAL FOR ELEMENT NO 4; ROOF CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>SECTION 4: ABLUTION BLOCK</u>				
	<u>ELEMENT NO. 5; WINDOWS</u>				
	<u>Pre-cast window cill: bedded and jointed in cement (sand (1:3) mortar: pointed in matching coloured cement: to</u>				
A	Windows	M	18		
	<u>Mild steel casement windows: custom made: approved grilles; sections to architects detail: approved ironmongery: (glass m.s)</u>				
B	Windows; overall size 600 x 900mm high	NO	12		
C	Windows; overall size 1800 x 900 mm high	NO	2		
	<u>Galvanised mild steel grille framed with 40 x 25 x 3mm hick R.H.S. selections including assembly to architects details</u>				
D	Windows; overall size 600 x 900mm high	NO	0		
E	Windows; overall size 1800 x 900mm high	NO	0		
	<u>4mm Thick Translucent glass and glazing to casements with linseed putty</u>				
F	Windows	SM	10		
	<u>Prepare surfaces. three coats gloss oil paint to metal surfaces</u>				
G	Windows: internally	SM	10		
H	Windows: externally	SM	10		
	TOTAL FOR ELEMENT NO 5; WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>SECTION 4: ABLUTION BLOCK</u>				
	<u>ELEMENT NO. 6; DOORS</u>				
	<u>Timber doors</u>				
A	800 x 2100mm High semi-solid cored flush door: hardwood veneered and lipped edges	No	12		
	<u>Wrot cypress: prime grade</u>				
B	150 x 50mm Door frame: rebated: plugged	M	104		
C	40 x 25mm Architrave: splayed	M	104		
D	25mm Quadrant	M	104		
	<u>Prepare surfaces: apply three coats Crown Solo gloss paint or other equal approved: on timber surfaces: to</u>				
E	Over 200 but not exceeding 300mm girth including all beadings	M	208		
F	General timber surfaces: doors	SM	76		
	<u>Metal Doors</u>				
G	900 x 2100mm Steel casement grille door: custom made: all sections to architects detail and approval: approved ironmongery: one coat pre-fabrication primer; paint	No	2		
H	Extra over door for mild steel frame 150 x 50mm fixed to masonry	M	10		
	<u>Prepare surface: apply three coats Crown Solo gloss paint or other equal approved: on metal surfaces: to</u>				
I	Over 200 but not exceeding 300mm girthe including all beadings	M	10		
J	General timber surfaces: doors	SM	4		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	Brought forward				
	<u>Supply and fix: Assa Abloy or other equal approved ironmongery: matching screws: locks to include a set of 3 keys: available from their authorised local dealers: aluminium finish to architects approval</u>				
A	100mm mild steel butt hinges	prs	30		
B	WC indicatore bolt: satin chrome finish	No	12		
C	Two lever mortice lock with handles	No	12		
D	38mm Diameter ruber door stop	No	20		
E	Door closer	No	4		
	Carried to collection below				
	Collection				
	Page 40				
	From above				
	TOTAL FOR ELEMENT NO. 6; DOORS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>ELEMENT NO. 7; FINISHES</u>				
	<u>FLOOR FINISHES</u>				
	<u>Screed: cement and sand (1:4) on concrete</u>				
A	30mm thick; finished to receive floor tiles	SM	110		
	<u>Supply and fix coloured non-slip floor tiles: on screed (m/s); joints pointed in matching cement grout to approval</u>				
B	300 x 300 x 10 mm Thick tiles	SM	110		
C	Tile Skirting	M	87		
	<u>WALL FINISHES: internal wall finishes</u>				
	<u>Plaster: 12 mm cement/lime putty/sand: steel trowelled: on masonry or concrete: to</u>				
D	Walls and concrete surfaces	SM	300		
	<u>Prepare surface: apply three coats Crown Solo vinyl emulsion paint or other equal approved: on steel trowelled plaster: to</u>				
E	Walls and concrete surfaces internally	SM	300		
	<u>Backing: 10mm cement/sand (1:4): on masonry or concrete: wood float finished: to</u>				
F	Walls to receive ceramic tiles (m.s.)	SM	250		
	<u>Supply and fix coloured glazed wall tiles: on backing (m/s); joints pointed in matching cement grout</u>				
G	200 x 250 x 8 mm Thick tiles	SM	250		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	Brought forward				
	<u>External render in cement and sand (1:4); steel trowelled: on masonry: to</u>				
A	Walls and concrete surfaces	SM	60		
	<u>Prepare surfaces; apply three coats first grade permaplast paint; to rendered surfaces</u>				
B	Walls or concrete surfaces	SM	60		
	<u>CEILING FINISHES</u>				
	<u>Prepare surfaces; apply three coats Crown Solo vinyl emulsion paint or other equal approved: on steel trowelled plaster:to</u>				
C	Plastered surfaces	SM	300		
	<u>Vanity tops</u>				
	Vanity top: overall size 1800mm long x 450 mm wide; comprising concrete black walling; side panels 600 x 800 mm high; plaster and paint to both sides; 100 mm thick reinforced concrete top reinforced in A98 mesh fabric and formwork to soffits; including openings for sinks/wash hand basins; finished in tiles including fascia and splash back; undersink cupboards to detail				
D		NO	2		
E	Ditto overall size 450 mm long x 450 mm wide	NO	4		
	<u>Urinal plinth</u>				
	Urinal slab; 2200 mm long x 800 mm wide; complete with drain trough/channel, automatic flashing system; finished in tiles				
H		NO	1		
	Carried to collection below				
	Collection				
	Page 42				
	From above				
	TOTAL FOR ELEMENT NO. 7; FINISHED CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<p><u>ELEMENT N. 8: PLUMBING AND INTERNAL DRAINAGE</u></p> <p><u>Note: The work under this element is to be carried out by a registered Plumbing sub-contractor subject to the approval of the Project manager</u></p>				
1.00'	<p><u>SANITARY FITTINGS</u></p> <p><u>Supply and install the following appliances including their support brackets, screws, mastic, silicon etc. and all other necessary accessories to make the appliances operational. All final connections to water supply, waste/soil drainage and electrical power supply (whether measured or not) are to be the responsibility of the contractor and must be priced for:-</u></p> <p>NOTE: TRADE NAMES</p> <p>Where Trade Names are mentioned below, the contractor shall supply as specified. Alternatives will only be accepted on approval.</p> <p>Complete WC Suites & Accessories as follows:</p>				
A	<p>"Twyford Bathrooms Ltd's Nile Squatting pan HO" Ref No. WC3390WH in white vitreous china, WC pan recessed in floor with horizontal outlet and loss P trap, fixing screws, mastic.WC to be complete with:</p>	No	6		
B	<p>Twyfords Bathrooms Ltd Ref No. WF 1241 WH. WC "S" or "turned P" connector to drain pipe for horizontal outlet WC Pan.</p>	No	6		
C	<p>Brushed heavy duty stainless steel 'Jumbo' toilet roll holder with the following; *Full stainless back plate provides extra protection against vandalism *Key Lockable</p>	No	6		
D	<p>Coat hook in Satin aluminium finish (Ref No. SAF 4166) as manufactured by insta-office safco</p>	No	6		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	Wash Basin				
A	"Twyford Bathrooms Ltd" Refresh 550" 550 x 450mm Diameter Countertop wash basin Ref. No RE4561WH (One Centre Taphole)	No	8		
	Wash Hand Basins & Accessories				
B	"Twyford Bathrooms Ltd's ½ Sola non-concussive push tap Ref No. SF 2101 CP	No	8		
C	"Twyfords" chrome plated 1¼" basom waste complete with flange, shank, chain & plug.	No	8		
D	"Twyfods" or approved equivalent, chrome plated 1¼ bottle trap with 75 mm deep seal and 200 mm long tail pipe, cap-nut and wall flange complete with cap-nut, wall flange plug, chain and angle regulating valves.	No	8		
E	"Mediclinic MOD D-106 CS" paper towel dispenser capacity 600 tissues stainless steel satin finish complete with fixing screws (Code No. 73015 CS).	No	2		
	Urinal Bowl & accessories				
F	"Twyfords Bathrooms Ltd. Camden" white vitreous china Urinal bown Ref No. VC 7003 WH with exposed pipework complete with:- *Pair of bowl supports Ref No. SR 5307 XX *1½ diameter domed outlet grating Ref No. WF 9370 XX *40mm diameter chrome plated bottle trap	No	6		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
A	"Cobra Watertech" FJ.600 Exposed push-button operated chrome lated urinal flush valve with flushpipe, spray nozzle integral vacuum breaker & non hold open and the following features: *C-FJZ1.3 - CP Wall flange *Additional screw and piston for large bowl and stall urinals *Non-hold open feature *G ³ / ₄ "FI" Ball-o-Stop" Control inlet. *Chrome plated *all fixing brackets, bolts & connecting fitments from flush valve to bowl and fixing screws	No	6		
B	"Twyfords Bathrooms Ltd." 305 mm wide x 620 mm high bowl urinal division Ref No. VC 8051 WH and Ref No. SR 5706 XX Hangers	No	6		
Mirrors					
C	1000 x 750mm, 6mm, thick plate rectangular shaped glass mirror with frosted bevelled edge decorative boundary and concealed scews for installation	No	2		
Soap Dispenser					
D	Mediclinics Dj0030 in Stainless steel White Epoxy finish, with Mediclinics lock system, refill window, Anti-dripping and anti-corrosion valve, Capacity: 1.1 litre glued/screwed to wall liquid soap dispenser coplete with initial charg, key an mounting brackets	No	4		
Shower Fittings					
E	"Cobra Watertech" Shower rose complete with exposed chrome plated shower riser pipe, shower mixer valve (with 1/2" hot and cold inlets) and foot bath.	No	6		
F	"Hansgrohe" Ref. No. 41660, chrome plated towel rail complete with fixing screws	No.	6		
Carried to collection					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
A	Twyfords Bathroom Ltd. Ref VC 9808 WH recessed in wall soap tray into white Vitreous China	No	6		
B	"Insta-office Safco" Ref. No. SAF 4166 robe hook	No	6		
	Angle Regulating Valves				
C	½" Chrome plated angle regulating valve with compressing nut, backnut and 350 mm long flexible service connection	No	12		
2.00'	<u>INTERNAL PLUMBING</u>				
	Supply, deliver and install plastic CPVC PN 16 pipes to specification. Tenderers must allow in their pipework prices for all the couplings, connectors, unions, nipples, sockets, endcaps, bridges, expansion loops, jointing materials etc. as required in the running lengths of pipework and also where necessary for pipe fixing clips, collars, holderbats plugged and screwed and pipe sleeves through structural members.				
D	15 mm Nominal diameter CPVC pipes	LM	7		
E	20mm ditto	LM	8		
F	25 mm ditto	LM	4		
G	32 mm ditto	LM	11		
	Extra Over CPVC Tubing for the following:-				
H	15 mm diameter elbow/bend, 90°/45°	No	4		
I	20 mm ditto	No	6		
J	25 mm ditto	No	3		
K	32mm ditto	No	6		
L	15 mm diameter equal tee	No	0		
M	20mm ditto	No	6		
N	25mm ditto	No	3		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
A	32mm ditto	No	2		
B	20x15 mm reducer	No.	5		
C	25 x 15 mm ditto	No.	4		
D	25 x 20 mm ditto	No.	4		
E	32 x 20 mm ditto	No	4		
F	32 x 25 mm ditto	No	5		
G	15mm x ½" diameter male/female transition piece round/hexagonal	No	14		
H	20mm x ¾" ditto	No.	2		
I	25mm x 1" ditto	No	5		
J	32mm x 1¼" ditto	No	5		
	Gate Valves				
	15 mm diameter brass high pressure screw-down fullway non-rising stem, solid wedge disc gate valve as "Pegler" and to be complete with matching diameter GMS union				
K		No	4		
L	20mm diameter ditto	No	2		
M	25mm diameter ditto	No	2		
N	32mm diameter ditto	No	2		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	Roof Water Storage Tank & Accessories				
	"ROTO MOULDERS LTD" rotationally moulded polythene cylindrical vertical close end tank of nominal capacity of 225 Litres (50 Gallons) and complete with lid. Tanks to be complete with inlet, outlet and overflow connections and tank connectors for the same as described below:- - 1 No. 15mm diameter inlet pipe connections - 1 No. 20mm diameter outlet pipe connection - 1 No. 20mm diameter overflow pipe connection	No	0		
B	Ditto but with: litres capacity -2000 25mm diameter inlet pipe connections -1 No. 32mm diameter outlet pipe connection -1 No. 32mm diameter overflow pipe connection	No	2		
C	15mm (1/2") diameter high pressure cast brass float valve MOH pattern with 1 1/4" shank with 4 1/2" diameter high pressure polypropylene plastic float.	No	2		
3.00'	FOUL WATER DRAINAGE				
	Tenderers must allow in their pipework prices for all the couplings, connectors, joints etc as required in the running lengths of pipework and also where necessary, for pipe fixing clips, holderbats plugged and screwed. The installation must comply with BS EN 12056 - 2:2000 MuPVC Waste System Heavy Gauge Pipework Class 41.				
D	32mm diameter waste pipe	LM	10		
E	40mm diameter waste pipe	LM	7		
F	50mm diameter Waste pipe	LM	14		
	Extra Over MuPVC Waste Pipework for the following				
G	32mm diameter 90°/135° Sweep Bend	No	7		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
A	40mm ditto	No	2		
B	50 mm ditto	No	4		
C	32mm diameter 90°/135° Sweep Tee	No	1		
D	40 mm ditto	No	1		
E	50mm ditto	No	1		
F	40 x 32 mm diameter Socket Reducer	No	1		
G	50 x 40 mm diameter Socket Reducer	No	4		
H	32 mm diameter Access Plug	No	2		
I	40 mm ditto	No	1		
J	50 mm ditto	No	8		
K	100 mm diameter Trapped Floor Gully with 2 No. mm diameter inlets and 50 mm diameter outlet and floor gully inlet	No	5		
L	50 mm diameter shower drian complete with grated cover and shallow p-trap	No	7		
M	Upvc System Heavy Gauge Class 41 Pipework 100 mm diameter Light Grey Soil Pipe	LM	10		
N	Extra Over uPVC Soil Pipework for the following:_ 100 x 32 mm diameter Light Grey Single Boss Connector	No	1		
O	100 x 40 mm ditto	No	2		
P	100 x 50 mm ditto	No	3		
Q	100mm diameter Light Grey Tee Single Branch	No	3		
R	100 mm diameter Light Grey Short Radius bend	No	12		
S	100 mm diameter Light Grey Weathering Apron, Weathering Slater & Vent Cowl	No	2		
	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
A	uPVC Buried Drain System Heavy Gauge Class 41 100 mm diameter Golden Brown Buried Drain Pipe Extra Over uPVC Buried Drain Pipework for the following	LM	42		
B	100 mm diameter Golden Brown Sweep Bend	No.	4		
C	100 mm diameter Golden Brown Short Radius Bend Inspection Chambers/Manholes Allow excavation, concreting to Class 1:3:6, walling 150 mm thick solid concrete block walls with 1:3 mortar and plastering to 1:2, Medium duty Rectangular Cover and Frame to specification for manhole not exceeding 1500 mm depth.	No.	3		
D	Gully traps Masonry gully trap in chamber complete with golden brown uPVC P-trap with seal drain pipe and concrete cover.	No.	5		
E	Excavation Excavate trench for buried drain pipes not exceeding 1000 mm and average 600 mm deep, part return, fill in, ram and remainder cart away (Final ground finish is to Architect's specification).	No.	4		
F		LM	42		
G	Allow for pipe connections (approximately 6m long) to existing foul water manhole on-site to civil engineer's detail including all accessories. <u>PORTABLE FIRE EQUIPMENT</u> CO2 Fire Extinguishers 5 kg Carbon Dioxide Steel Stored pressure gas fire extinguishers conforming to BS EN 3 complete with:- charge and fixing bracket, pictorial instructions colour coding to BS 7863 discharge horn and hose pressure indicator	ITEM	1		
H	Dry Chemical Powder fire Extinguishers 9kg Cartridge operated dry powder fire extinguisher manufactured to BS EN 3 complete with:- initial charge and fixing bracket, pictorial instructions, discharge nozzle & hose, colour coding to BS 7863	No	6		
G	Fire Signs Install a sign with words 'FIRE POINT' in 80mm high letters to Architect's approval	No.	6		
I	Carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<p><u>ELEMENT NO. 8</u></p> <p><u>PLUMBING AND INTERNAL DRAINAGE</u></p> <p style="text-align: center;"><u>COLLECTION</u></p> <p>Page No. 62</p> <p>Page No. 63</p> <p>Page No. 64</p> <p>Page No. 65</p> <p>Page No. 66</p> <p>Page No. 67</p> <p>Page No. 68</p> <p>Page No. 69</p> <p><u>TOTAL AMOUNT FOR PLUMBING AND INTERNAL DRAINAGE</u></p>				
	Carried to Summary				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>ELEMENT NO.9: ELECTRICAL INSTALLATIONS</u> <u>Note: The work under this element is to be carried out by a registered Electrical sub-contractor subject to the approval of the Project manager</u>				
	<u>ABLUTION BLOCK</u> <u>Supply, install, test and commission in accordance to BS 7671:1998, the following as described below:</u>				
	<u>LIGHTING INSTALLATION</u>				
A	Lighting points wired in 3x 1.5 sq.mm PVC insulated single core copper cable drawn in 20mm dia.PVC Heavy gauge conduit concealed in building fabrics for one way switching.	No	6		
B	Ditto but two way switching	No	4		
	<u>10A 500V white moulded switchplates as legrand or equal and approved as described</u>				
C	One gang two way	No	6		
D	One gang two way	No	4		
	<u>Supply and install the following lighting fixtures complete with the control switchgears and lamp as per description and symbols:</u> 1 x 36W linear flourescent lamps with prismatic diffuser surface mounted as Power Technics Manufacture or equal and approved equivalent. Type 4D.				
E		No.	8		
	Slim circular ceiling luminaire in satin crome finish with 2D 16W lamps as Thorn Novaline or equal and approved equivalent. Type A.				
F		No.	4		
	<u>SMALL POWER INSTALLATION</u>				
	Ringmains circuit power points wired in 3x 2.5 sq.mm PVC insulated single core copper cable drawn in trunking or/and PVC Heavy gauge conduit concealed in building fabrics.				
G		No.	2		
	Total carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
H	500V white moulded socket plates as legrand or equal and approved as described: 13A twin standard switched.	No.	2		
POWER DISTRIBUTION AND SUBMAINS INSTALLATION					
A	4 Ways 100A DP flush mounted consumer unit CU "K" complete with integral isolator and front lockable cover for raw power as Terasaki or equal and approved equivalent. <u>MCBs for the items above:</u>	No.	2		
B	10A SP	No.	2		
C	30A SP	No.	2		
D	blanking plates	No.	2		
E	3X 6.0sq.mm SC PVC insulated cu cable drawn in 32mm dia HG pvc conduit from DB "B" to consumer unit CU "K" (To be confirmed on site).	LM	98		
F	32mm dia HG PVC condit (To be confirmed on site)	LM	98		
G	400x350x120mm cable loop in box	No.	2		
Carried to collection below					
ELEMENT NO. 9					
ELECTRICAL INSTALLATIONS					
COLLECTION					
Page No. 53					
collection from above					
TOTAL AMOUNT FOR ELECTRICAL INSTALLATIONS					
Carried to Summary					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>SECTION NO. 4-ABLUTION BLOCK</u>				
	SUMMARY				
1	SUBSTRUCTURES	pg 34			
2	R.C SUPERSTRUCTURE	pg 35			
3	WALLS & PARTITIONS	pg 36			
4	ROOF FINISHES	pg 37			
5	WINDOWS	pg 39			
6	DOORS	pg 41			
7	FINISHES	pg 43			
8	PLUMBING AND INTERNAL DRAINAGE	pg 52			
9	ELECTRICAL INSTALLATIONS	pg 54			
	TOTAL FOR ABLUTION BLOCK CARRIED TO GRAND SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	SECTION 5 - EXTERNAL WORKS BOUNDARY WALL & GATES				
	<u>Excavation</u>				
A	Excavated for column pits not exceeding 1.50 m deep starting from reduced level	CM	126		
B	Excavate for foundation trench not exceeding 1.50 metres deep starting from reduced level	CM	156		
C	Extra over all excavations for excavating in rock class II and III as described in the specification	CM	30		
	Disposal of excavated materials				
D	Backfilling around foundations	CM	173		
E	Load and cart away surplus excavated material to approved dumping sites	CM	123		
	Planking and Struffing				
F	Allow for keeping excavations free from all water	Item	1		
G	Allow for keeping excavations free from all water	Item	1		
	Imported Filling				
H	Murram filling around foundations; compacted in layers not exceeding 75 mm thick	CM	45		
	<u>Concrete works</u>				
	<u>Plain concrete (1:4:8) in:-</u>				
I	50 mm Blinding under strip foundations	SM	113		
J	Ditto to column bases	SM	63		
	<u>Vibrated reinforced insitu concrete class 20/20; with minimum cube crushing strength of 20N/mm² at 28 days as specified; in</u>				
K	Column bases	CM	26		
L	Columns; below ground	CM	8		
M	Ditto above ground	CM	15		
N	Strip foundation	CM	21		
	Total carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>Supply and fix steel bar in structural concrete work including cutting, bending, hoisting, tying wire, spacing blocks and supporting all in position; High yield square twisted bar reinforcement to BS 4661</u>				
P	8 mm Diameter bars	kg	1,860		
Q	12 mm ditto	kg	5,250		
	<u>Sawn formwork to:-</u>				
R	Vertical sides of strip foundations	SM	88		
A	Ditto to column bases	SM	65		
B	Ditto to columns	SM	335		
	<u>Machine dressed natural stone walling bedded in cement and sand mortar (1.4) with minimum stone crushing strength of 7N/mm²; including weep holes where necessary</u>				
C	200 mm walling; substructure	SM	268		
D	Ditto but superstructure wall; pointed externally <u>Coping</u>	SM	172		
E	400 x 250 x 50 mm thick precast concrete weathered and throated column coping	NO	58		
F	Ditto but 250 mm wide to 200 mm thick wall	NO	430		
	<u>Expansion Joint</u>				
G	20 mm thick expansion joint with "flexcell" joint filler or similar to engineer's approval including formwork	SM	39		
H	20 x 20 mm deep mastic sealant or equal and approved; hack surface for adhesion	M	78		
	Total carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<u>Wall Finishes</u>				
	<u>Cement and sand(1:4) render: steel trowelled: on masonry or concrete: to</u>				
I	Walls and concrete surfaces	SM	246		
	<u>Prepare surfaces: apply three coats first grade permaplast paint: to rendered surfaces</u>				
J	Walls and concrete surfaces	SM	246		
	Gate & grills				
	3000 mm wide x 2400 mm high overall size mild steel gate with 1.5 mm thick metal plate pressed to diamond shape, 50 x 50 x 3 mm thick SHS internal members and 100 x 100 x 6 mm thick SHS frame complete with fixing lugs and ironmongery and fixing accessories (see architects detail)				
K		NO	1		
L	900 x 2400 mm high pedestrian gate as detailed in architectural drawings (see architects detail)	NO	1		
M	Approved grille over boundary wall; 1500 mm high; fixed on coping	M	316		
	Total carried to collection below				
	Collection				
	Collection from page 74 collection from page 75 Collection from above				
	TOTAL FOR BOUNDARY WALL & GATE: CARRIED TO BILL SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	SECTION 5-EXTERNAL WORKS ROAD & PAVED AREAS				
	<u>Excavation</u>				
A	Excavate to reduce levels not exceeding 500 mm deep starting from stripped level and load and cart away	CM	443		
	<u>Treatment of Surfaces</u>				
B	Grade and compact subgrade to appropriate falls and the specified density to receive road paving works; to engineer's approval	SM	885		
	<u>Sub-grade</u>				
C	Compacted top selected subgrade material; in 150 mm thick layers to 95% MDD (AASHTO)	CM	266		
	<u>Sub-base</u>				
D	150 mm thick hand packed stone base	SM	778		
E	200 mm thick compacted hardcore	SM	885		
	<u>Sand Bed or quarry dust</u>				
F	50 mm thick sand bed to receive cabro blocks	SM	885		
G	50 mm thick sand bed to receive paving blocks	SM	778		
	<u>Paving blocks: as manufactured by approved manufacturer blocks</u>				
H	600 x 600 x 50 mm thick blocks paving: on 50 mm thick quarry dust blinding, laid to approved pattern	SM	778		
	<u>Concrete block paving: as manufactured by approved manufacturer</u>				
I	80 mm thick laid to approved pattern; heavy duty; compacted to approval	SM	885		
	<u>Rates for kerbs and channels to include provision, excavation, laying, backfilling and concrete haunching bedding and surrounds</u>				
J	125x100mm channel jointed in cement mortar and benched in mass concrete	M	174		
K	Ditto but curved	M	20		
L	250x125mm wide kerb	M	60		
M	Ditto to Channel	M	15		
	ROAD, PARKING & PAVED AREAS: CARRIED TO BILL SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
Item	EXTERNAL WORKS SUMMARY				
	Description	Page No.			
	SECTION 5 - EXTERNAL WORKS				
1	Boundary Wall and Gates		76		
2	Road, Parking & Paved Areas		77		
	EXTERNAL WORKS; TOTAL CARRIED TO GRAND SUMMARY				

Item	Description	Unit	Qty	RATE	AMOUNT (KSHS)
	Section No. 5				
	<u>SECTION NO. 6</u> <u>PROVISIONAL AND PRIME COST SUMS</u>				
	<u>PROVISIONAL SUMS</u>				
	<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 are to be measured upon completion and priced in accordance with Clause 13 of the Conditions of Contract</u>				
A	Signage		SUM		
B	Garbage Collection Receptacles		SUM		
C	Gate House		SUM		
D	Environmental Impact Assessment		SUM		
E	Contingencies		SUM		
	<u>The following Prime Cost Sums are for work to be executed by Nominated Subcontractors</u>				
F	<u>Street lighting</u>		SUM		
	<u>Add for profit</u>		10%		
	<u>Add for attendance</u>		10%		
	<u>The following Prime Cost are for work to be executed by Local Authority or Public Undertaking</u>				
G	Kenya Power & Lighting Company connection charges		SUM		
	<u>Add for profit</u>		10%		
	<u>Add for attendance</u>		10%		
H	Water and Sewerage company connetion charges		SUM		
	<u>Add for profit</u>		10%		
	<u>Add for attendance</u>		10%		
	TOTAL AMOUNT FOR PROVISIONAL AND PRIME COST SUMS				
	Carried to Main Summary				

Section	Description	Page	N	Shs.	
<u>PROPOSED CONSTRUCTION OF MARKET SHEDS, OFFICE, STORE AND ABLUTION BLOCK AT Kibung'a MARKET IN Tharaka Nithi County</u>					
<u>MAIN SUMMARY</u>					
1	GENERAL PRELIMINARIES	PP	12		
	PARTICULAR PRELIMINARIES	GP	9		
2	Market Sheds	Pg	13		
3	MARKET OFFICE AND STORE	Pg	31		
4	Market Stalls	PG	49		
5	ABLUTION BLOCK	Pg	73		
6	EXTERNAL WORKS	Pg	78		
7	PROVISIONAL AND PRIME COST SUMS	Pg	79		
TOTAL AMOUNT CARRIED TO FORM OF TENDER <u>Note.</u>					
If by reason of obvious errors in this totalling, 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 price, such difference will be calculated as a % of the corrected total of the Bill of Quantities after excluding preliminaries and PC & Provisional sums. Should such percentage (additional or deduction) exceed 0.25% it will be applied to all rates and prices used in pricing variations					
CONTRACTOR.....					
SIGNED.....					
ADDRESS.....					
WITNESS..... ADDRESS.....					
SIGNED.....					
DESIGNATION..... DATE.....					