

PROPOSED CONSTRUCTION OF NAKURU COUNTY HEADQUARTERS

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>LOWER GROUND FLOOR</u>				
	<u>ELEMENT NO. 1</u>				
	SUBSTRUCTURES				
	(All provisional)				
A	Clear site of all grass and small trees not exceeding 600mm girth and cart away or burn arisings	5100	Sm		
B	Cut down trees exceeding girth over 300mm girth grub up roots and stumps chop to required lengths and hand over to client/cart away	100	No		
C	Excavate oversite to remove vegetable top soil average 250mm deep and cartaway to spoil heaps as directed on site	5100	Sm		
D	Bulk Excavations to reduce level not exceeding 1.5m deep from stripped level and cart away	7650	Cm		
E	Ditto 1.50m to 3.00m deep ditto	7650	cm		
F	Ditto 3.00m to 4.5m deep	7650	Cm		
G	Ditto 4.50m to 6.0m deep	7650	Cm		
H	Excavate for base not exceeding 1.50 m deep from reduced level	3054	Cm		
J	Ditto; but for Lift shaft bases	270	Cm		
K	Return fill and ram selected excavated material around foundations	105	Cm		
L	Load, wheel and cart away from site surplus excavated material and deposit in approved dumping area	3219	Cm		
M	Extra over all kinds of excavation for excavating in soft rock	1410	Cm		
N	Ditto; in hard rock	1200	Cm		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Allow for keeping excavations free from all water by pumping or otherwise		Item		
B	Ditto; for plunking and strutting to sides of excavations		Item		
C	300mm Thick (average) approved broken quarry stone hardcore filling in two equal layers well rolled and compacted	2587	Sm		
D	Form sinking size 500mm (average)wide x 300mm deep in hardcore including forming splayed sides	0	Lm		
E	Well compacted imported granular material fill to make up levels	2587	Cm		
F	50mm thick stone dust blinding to surface of hardcore	2587	Sm		
	<u>Concrete works</u>				
	50mm plain concrete mix (1:3:6 - class 15/20mm) blinding under:				
G	Strip footing	0	Sm		
H	Raft base	2587	Sm		
J	Shaft Base	24	Sm		
	Vibrated Reinforced Contrete mix (1:1:2) class 30/20mm in:				
K	Strip footing	0	Cm		
L	Raft base	2587	Cm		
M	Wall base	108	Cm		
N	Column	96	Cm		
P	Shaft base	11	Cm		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	200mm thick floor bed horizontal	1635	Sm		
B	200mm thick floor bed raking	60	Sm		
C	250mm thick Wall	1035	Sm		
D	200mm thick lift shaft wall	137	Sm		
E	Extra for 500mm (average) thickening under beds 300mm deep	0	Lm		
	<u>Fabric mesh</u>				
F	Steel fabric mesh reinforcement type A142 weighing 2.22kg to BS 4483 with 150mm side laps (measured net -no allowance for laps)	1635	Sm		
	<u>Expansion joint</u>				
G	25mm thick Aeroflex filler	328	Sm		
H	25 x 25mm "Expendite" sealer	56	Lm		
	<u>Sawn formwork to:</u>				
J	Sides of strip footing	470	Sm		
K	Sides of Raft base	366	Sm		
L	Sides of column	107	Sm		
M	Sides of columns curved to 150mm radii	79	Sm		
N	Sides of lift shaft base	19	Sm		
P	Sides of wall surfaces	2064	Sm		
Q	Sides of wall bases	2071	Sm		
R	Sides of lift shaft	274	Sm		
S	Edges of ground floor bed exceeding 75mm but not exceeding 150mm wide	310	Lm		
T	Ditto raking	27	Lm		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>MASONRY</u>				
A	200mm thick natural stone walling; quarry dressed bedded and jointed in cement sand(1:3) mortar; reinforced with hoop iron at alternate courses	1077	Sm		
B	400mm thick wall	87	Sm		
C	200mm thick skin wall	1135	Sm		
	<u>Surfaces Treatment</u>				
D	"Dragnet" or other equal and approved antitermite insecticide treatment to blinded hardcore surfaces applied in accordance with manufacturer's instructions	2587	Sm		
E	1000 gauge polythene sheeting laid under concrete floor bed	2587	Sm		
	<u>Reinforcement</u>				
	<u>Ribbed 'D' bars as described in</u>				
F	20mm diameter bars in raft base	84618	Kgs		
G	25mm Ditto in base	176180	Kgs		
H	16mm Ditto in bases	37150	Kgs		
J	32mm ditto in base	91520	Kgs		
K	32mm Ditto in columns	19430	Kgs		
L	25mm Ditto; in columns	4086	Kgs		
M	12mm Ditto; in columns	750	Kgs		
N	10mm Ditto; in columns	1161	Kgs		
P	8mm ditto in columns	811	Kgs		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	12mm ditto	4098	Kgs		
B	16mm ditto in shaft base	1001	Kgs		
C	12mm ditto in shaft base	2226	Kgs		
D	12mm in wall	24900	Kgs		
E	16mm ditto in wall base	35020	Kgs		
	<u>Cement and sand (1:4) paving</u>				
E	25mm thick screed	365	Sm		
F	12mm thick to plinth surfaces wood floated	140	Sm		
G	Prepare and apply three coats of bitumastic paint to rendered surfaces	140	Sm		
	<u>Tanking and water proofing</u>				
H	Vandex super 1.5Kg per square metre applied as per manufacturer's printed instructions	2317	Sm		
J	200mm thick PVC water bar embedded in concrete between floor and wall joints	349	Lm		
K	30 x 30mm integral angle fillets at junction of wall and floor	349	Lm		
L	300mm reglet band at floor and wall junction	349	Lm		
	<u>Cement sand (1:4) screed backing:</u>				
M	20mm screed backing to receive water proofing treatment	2317	Sm		
	Carried to collection				
	<u>Collection</u>				
	Brought forward from Page C/H/102				
	Brought forward from Page C/H/103				
	Brought forward from Page C/H/104				
	Brought forward from Page C/H/105				
	Brought forward from Page C/H/106				
	Total element 01 to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 02</u>				
	<u>REINFORCED CONCRETE FRAME</u>				
	Vibrated reinforced concrete (1:1:2) Class 30/20mm in:				
A	Beams	84	Cm		
B	Columns	51	Cm		
C	Suspended slabs, thickness 150mm	1443	Sm		
D	Shaft walls thickness 200mm	66	Sm		
E	250mm thick Reinforced concrete wall	655	Sm		
	<u>Reinforcement (all provisional)</u>				
	Deformed bars as described in:				
F	8mm diameter bars in beams	2920	Kgs		
G	16mm ditto anti crack in beams	5302	Kgs		
H	20mm diameter bars in beams	12686	Kgs		
J	8mm ditto; in columns	147	Kgs		
K	10mm ditto; in columns	2146	Kgs		
L	12mm ditto; in columns	375	Kgs		
M	20mm ditto; in columns	587	Kgs		
N	25mm ditto; in column	6250	Kgs		
P	32mm ditto in column	14566	Kgs		
Q	10mm in suspended slabs	38500	Kgs		
R	12mm diameter in shaft wall	1353	Kgs		
S	12mm diameter bars in Reinforced concrete wall	19700	Kgs		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Sawn formwork to:</u>				
A	Sides of soffits of beams	920	Sm		
B	Sides of columns	485	Sm		
C	Ditto curved 150mm radii	57	Sm		
D	Sides of Shaft walls	135	Sm		
E	Soffites of suspended slabs	1443	Sm		
F	Edges of ditto 150-225mm wide	310	Lm		
G	Vertical sides of Rc wall	1311	Sm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>STAIRCASES 3 NO.</u>				
	<u>Insitu concrete (1:1:2) reinforced</u>				
	<u>Normal class 30/20mm vibrated</u>				
A	Stairs	7	Cm		
B	150mm thick landing	11	SM		
C	Stair beam	1	CM		
	Bars: Ribbedsteel: cold worked: including bends, hooks tying wire, distance block and spacers (provisional)				
D	Various	1200	KG		
	<u>Sawn formwork to:</u>				
E	Sloping soffits of stairs	23	SM		
F	Horizontal soffits of landings	11	SM		
G	Ditto edge of landing 150-225mm	32	LM		
H	Face of riser girth over 75mm - 150mm high	66	LM		
J	Sides and soffites of beam	13	SM		
K	Open string of staircase 335mm external height including cutting to profile of treads amd riser	36	LM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	RAMPS				
	Reinforced concrete class 30/20mm				
	<u>mix (1: 1: 2) in:-</u>				
A	Beams raking	5	CM		
B	Beams horizontal	2	CM		
C	150mm thick suspended ramp raking	67	SM		
D	150mm thick horizontal suspended landings	15	SM		
	<u>Sawn formwork to:</u>				
E	Sides and soffities of beams, horizontal	23	SM		
F	Ditto, raking	54	SM		
G	Soffites of raking suspended ramp slabs	67	SM		
H	Ditto horizontal landings	15	SM		
J	Edges of suspended Landing 150 to 75mm wide	49	LM		
	<u>Steel reinforcement as described including cutting to length bending hoisting and fixing including all necessary tying wires and spacing blocks (all provisional)</u>				
	<u>Ribbed bars</u>				
K	8mm diameter bars in beams	292	KG		
L	16mm ditto in beams	858	KG		
M	10mm diameter bars in suspended slabs	1640	KG		
	Carried to collection				
	COLLECTION				
	Brought forward from page C/H/107				
	Brought forward from page C/H/108				
	Brought forward from page C/H/109				
	Brought forward from page C/H/110				
	Total for element No. 02 carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 03</u>				
	<u>WALLING</u>				
	<u>External walls</u>				
	<u>Hessian based Bituminous Damp Proof Course bedded and jointed in cement sand mortar 1:3</u>				
A	200mm wide	357	Lm		
B	150mm wide	0	Lm		
C	100mm wide	0	Lm		
D	400mm wide	0	Lm		
E	200mm thick natural stone walling; medium chiseled dressed; bedded and jointed in cement and (1:3) mortar	642	Sm		
F	200mm thick precast concrete louvre block walling jointed and bedded in cement mortar (1:4)	0	sm		
	<u>Internal walls</u>				
	Approved load bearing machine dressed "Thika" natural stone walling bedded and jointed in cement sand (1:3) mortar with 20mm wide hoop irons in every alternate course				
G	200mm thick walling	575	Sm		
H	400mm thick wall	105	Sm		
J	200mm thick ramp wall	46	Sm		
	<u>Aluminium partition walling</u>				
K	Powder coated anodised aluminium partition walling comprising 100 x 50mm extruded aluminium frame sections at 900mm vertical centers and 1050mm horizontal centres; panell infilled with and including 6mm clear sheet glass; 1650mm high overall	40	Lm		
	Total element 03 walling to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 04				
	DOORS				
	Mild steel				
A	Double grilled door comprising 50 x 50 x 3mm rolled hollow section frame all round in filled with 30 x 30 x 2mm thick RHS vertical baluster 150mm center and similar horizontal member at 200mm centers in a straggered configuration overall size 1800 x 2400mm high	2	No		
B	Mild steel pannel double door overall size 1500x2400mm high in 2No. equal leaves each leaf comprising 50x50x3mm RHS framing and metal lugs including purpose made hanging and locking accessories once primer before delivery to the site.	6	No		
C	Galvanised steel roller shutter door overall size 5.00x3.00m high complete with channels, roller, gears , hood and locking devices	2	No		
	<u>4mm thick clear sheet to metal with glazing compound</u>				
D	Panes 0.5 to 1.00 square metres	0	Sm		
	Ironmongery				
	Supply and fix the following ironmongery as "union" or other equal and approved to wood with matching screws				
E	5 lever Deadlock to steel door	2	No		
F	Steel door lock	6	NO		
G	38mm diameter rubber door stopper plugged to floor	70	No		
	Total element No. 04carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 05</u>				
	WINDOWS				
	Fine chisseled "Blue Njiru" stone walling in cement mortar				
A	150 x 22mm cill, bedded and jointed in cement and sand 1:1 and pointed in coloured cement mortar	17	Lm		
	<u>Casement - Internal</u>				
	Supply, assemble and fix the following purpose-made mild steel <u>TOP HUNG OUTWARD OPENABLE</u> windows casement complete with all opening accessories, 50 x 50mm thick frame units; including "snap on" 30mm wide permanent vent; building in lugs to jambs; plugging and screwing head and cill; bedding frames in waterproof cement mortar and pointing in approved mastic externally; fixing 4mm thick reflective glass m.s oiling, easing and adjusting as described in the following overall sizes				
B	2100 x 1500mm high	6	No		
C	2100 x 900mm high	2	No		
	<u>Glazing</u>				
D	4mm thick Reflective sheet glass and glazing in panes 0.1-1.0sm with putty compound	23	Sm		
	Total element 05 windows to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 06				
	INTERNAL FINISHES				
	<u>FLOOR FINISHES</u>				
	Cement and sand (1:4) screed				
A	Screed backing under floors finished with wood float, thickness 32mm to receive ceramic tiles (m/s)	0	Sm		
B	Ditto 20mm thick to floor to receive terrazzo (m/s)	390	Sm		
	Floor tiles				
C	330 x 330 x 8mm thick ceramic tiles as manufactured by "Flamingo Tiles" or other approved non-slip tiles fixed with approved adhesive in approved	0	Sm		
D	100mm high ditto skirting	0	Lm		
	Polished white cement based terrazo				
E	20mm thick paving to floor polished smooth complete with and including 40x4mm thick white plastic divindings strips	390	Sm		
F	20x100mm high skirting rounded top edge and cored junction with floor	197	Lm		
	Tamped finish				
G	Extra over reincored concrete floor slab for tamped finish	2197	Sm		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	WALL FINISHES				
	Cement and sand (1:4) screed				
A	Screed backing to wall wood floated thickness 15mm	17	Sm		
	Coloured glazed ceramic wall tiles and fittings (cloakrooms)				
B	200 x 300 x 6mm as manufactured by "Flamingo Tiles" or other approved coloured tiles bedded and jointed in cement and sand 1:1 and pointed in coloured cement grouting	0	Sm		
	<u>Granito wall tiles</u>				
	<u>Granito wall tiles bedding and jointing in cement sand (1:3) mortar and flush pointed with white cement</u>				
C	150x150x6mm thick tiles (lift shaft)	17	Sm		
	Cement Lime plaster; 15mm thick (1:2:9)				
D	Plaster to wall surfaces	1311	Sm		
E	Ditto concrete surface	485	Sm		
	CEILING FINISHES				
F	100 x 25mm decorative gypsum cornice	204	Lm		
	<u>Cement lime plaster, 15mm thick (1:2:9)</u>				
G	Ditto to soffits of suspended slabs	1443	Sm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Stair case finishes</u>				
	<u>12mm thick cement sand (1:6) plaster to:</u>				
A	Stair Beams	13	SM		
B	Sloping soffits of stairs	23	SM		
C	Horizontal soffit of landing	11	SM		
	<u>20mm thick cement sand (1:3) screed trowelled rough to receive terrazzo on:</u>				
D	Tread 300mm wide	66	LM		
E	Riser 150mm high	78	LM		
F	Landing	11	SM		
G	Edge of upto stair string 300mm wide	36	LM		
	<u>20mm polished terrazzo on:</u>				
H	Tread 300mm wide	66	LM		
J	Riser 150mm high	78	LM		
K	Landing	11	SM		
L	Edge of stair 300mm wide	36	LM		
M	20x100mm polished terrazzo skirting	52	LM		
N	Non slip carborundum inset to treads	66	LM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Ramp finishes</u>				
	<u>12mm thick cement sand (1:6) plaster to:</u>				
A	Beams	77	SM		
B	Sloping soffits of ramp	67	SM		
C	Horizontal soffites of landing	15	SM		
D	Raking edges of ramp	49	SM		
	<u>20mm thick cement sand (1:3) screed backing trowelled rough to receive terrazzo on:</u>				
E	Horizontal Landing	15	SM		
F	Sloping ramp	67	SM		
G	Edge of kerb 300mm wide	54	LM		
	<u>20mm polished terrazzo on:</u>				
H	Floors level	15	SM		
J	Ramp	67	SM		
K	Edge of ramp 300mm wide including 40x4mm thick white pvc dividing strip	54	LM		
	Total carried to Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	COLLECTION				
	Brought forward from page C/H/114				
	Brought forward from page C/H/115				
	Brought forward from page C/H/116				
	Brought forward from page C/H/117				
	Total element 06 internal finishes to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 07				
	BALUSTRADING & RAILINGS				
	Wrot mahogany				
A	100 x 50mm hand rail	55	Lm		
	3mm thick mild steel circular hollow extrusion tubes				
	Composite balustrading comprising 50mm diameter x 3mm thick top rail welded onto 25mm x 3mm secondary baluster 200mm long at 450mm long; 50mm diameter primary baluster at 900mm centres and 30mm diameter x 2mm horizontal braces at 250mm centres to detail including grinding welds smooth fixing to concrete plinth and kerb and end to walling				
B	Staircase railing raking 1250mm high	6	Lm		
C	Ramp railing horizontal 1250mm high	10	Lm		
D	Ramp railing raking 1250mm high	49	Lm		
E	Passage balustrades railing horizontal 1250mm high	0	Lm		
	Total element 07 to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 08				
	PAINTING & DECORATING				
	ROOF				
	Touch up primer and apply one undercoat and two finishing coats of 1st quality supergloss paint to:				
A	General surfaces of roof steel work	0	Kg		
B	General surfaces of 100mm diameter down pipe girth over 300mm	0	Sm		
	WINDOWS				
	Prepare and supply two undercoats stainer and two finishing coats of vanish to:-				
C	Surfaces exceeding 100 but not exceeding 200mm girth window cill	17	Lm		
	Touch up primer and apply one undercoat and two finishing coats of 1st quality supergloss paint to:-				
D	Metal Casement surface girth over 300mm internally	23	Sm		
E	Ditto Externally	23	sm		
	DOOR				
F	General surfaces of metal (b.s.m.)	61	Sm		
	Total for carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>INTERNAL FINISHES</u>				
	Prepare and apply one undercoat and two finishing coats of 1st quality silk vinyl paint to:-				
A	General plastered surfaces of walls	1311	Sm		
B	General plastered surfaces of horizontal suspended soffits	1443	Sm		
C	General plastered concrete surfaces	485	Sm		
D	Surfaces not exceeding 100mm girth of cornice	204	Lm		
	Prepare and apply one undercoat and two finishing coats of vinyl silk plastic emulsion				
E	Stair beam	13	Sm		
F	Sloping soffits of stairs	23	Sm		
G	Horizontal soffit of landing	11	Sm		
	<u>Prepare and apply one undercoat and two finishing coats of vinyl silk plastic emulsion</u>				
H	Beam	77	SM		
J	Sloping and horizontal soffits of ramp	82	SM		
K	Raking edges of ramp	54	SM		
	Metal work				
	Touch up primer and apply one undercoat and two finishing coats of 1st quality supergloss paint paint to:-				
L	General surfaces of ramp balustrading	188	sm		
M	Ditto grilled surfaces (b.s.m)	0	Sm		
	Prepare and apply two undercoats stainer and two finishing coats of varnish to:-				
N	Surfaces of rails exceeding 200mm but not exceeding 300mm girth	65	Lm		
	carried to collection				
	Collection				
	Brought forward from page C/H/120				
	Brought forward from page C/H/121				
	Total Element No. 08 carried to sumamry				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p>ELEMENT NO. 09</p> <p>JOINERY FIXTURES</p> <p>Provide a sum of Kenya shillings Five million (Kshs. 5,000,000.00) for supply delivery and installation of boltless shelves to Mecol Catalogue or equal and approved.</p>		SUM		5,000,000.00
	Total element 09 to summary				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT NO. 10</u>				
	<u>Schedule No. 1 Electrical Installation – Lower ground floor</u>				
1.00	Supply, install, test and commission the following :				
1.01	Lighting points wired in 3 x 1.5 sq mm sc PVC copper cables drawn in 20mm diameter HG PVC conduits concealed in building fabric including all accessories but without lighting switches and fittings for: -				
	a) One way switching	NO	240		
	b) Two way switching	NO	64		
1.02	5A white moulded lighting switches as MK or approved equivalent:-				
	a) One gang one way	NO	32		
	b) One gang two way	NO	16		
	c) Two gang two way	NO	12		
	d). water proof, One gang two way	NO	6		
	e). Intermediate	NO	8		
1.03	Lighting fittings complete with appropriate rated LED lamps as follows: -				
	a) 1200mm, 1X15 W LED lighting fitting with opal diffuser for surface mounting as Phillips or approved equivalent	NO	54		
	b) 1200mm, 1X15 W LED lighting fitting with aluminium louvers for surface mounting as Phillips or approved equivalent	No.	26		
	b) 600mm 1x15 W bare batten LED lighting fitting as Phillips or its equal and approved equivalent	NO	12		
	c) 1200mm,1X15 W, corrosion and water resistant LED lighting fitting with clear diffuser for surface mounting as Phillips or approved equivalent	NO	8		
	d) 600mm, 1X15 W, water resistant LED lighting fitting with clear diffuser for surface mounting as Phillips or approved equivalent	NO	26		
	e). Emergency exit signs fitted with 8W LED lamps as Menvier or its equal and approved equivalent	NO	48		
	h) 1200mm, 1x15 W heat proof LED lighting fitting as Phillips or its equal and approved equivalent	No.	4		
	Sub total for upper floor Carried Forward to next page				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Sub-total Brought Forward from previous page				
	i)Downlighters	No.	80		
1.04	Power point wired in 3 x 2.5 sq mm sc PVC copper cables drawn in 25mm diameter HG PVC conduits concealed in building fabric including all accessories	NO	96		
1.05	13A twin switched socket outlet plate ivory type as MK or approved equivalent	NO	96		
1.06	8- way TPN Distribution Board complete with a 100A integral isolator as CRABTREE or approved equivalent	NO	3		
1.07	MCBs as Crabtree or approved equivalent:- a) 5A b) 30A	NO NO	33 8		
1.08	Telephone point complete with outlet plate in 20mm PVC conduit as Crabtree or its approved equivalent	NO	96		
	CCTV point complete with outlet plate in 20mm PVC conduit as Crabtree	No.	26		
1.09	Cooker circuit wired in 3 x 6 sq mm sc PVC copper cables drawn in concealed 25mm diameter HG PVC conduits	ITEM	2		
1.10	45 A cooker control unit as Crabtree or approved equivalent complete with cooker connection unit.	NO	2		
1.11	Machine circuit wired in 5 x 6 sq mm sc PVC copper cables drawn in concealed 38mm diameter HG PVC conduits	Item	8		
1.12	Air conditioning circuit wired in 5 x 6 sq mm SC PVC copper cables drawn in concealed 50 mm diameter HG PVC conduits	Item	8		
1.13	30 A TPN isolator for connecting item No. 1.15 as MEM or approved equivalent	NO	8		
1.14	Sub mains wired in 5 x 16sq mm SC PVC copper cables drawn in concealed 50 mm diameter HG PVC conduits	M	150		
	Total for Lower ground floor Carried to Summary page				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUMMARY FOR LOWER GROUND FLOOR</u>				
1	Total from page C/H/106/ Substructure				
2	Total from page C/H//110 RC Frame				
3	Total from page C/H111 Walling				
4	Total from page C/H/112 Doors				
5	Total from page C/H/113 Windows				
6	Total from page C/H/118 Internal finishes				
7	Total from page C/H/119 Balustrades and Railing				
8	Total from page C/H/121 Painting and decorating				
9	Total from page C/H/122 Joinery fixtures				
10	Total from page CH/124/ Electrical installation				
11	Provide a sum of Kenya shillings fifteen million (Kshs.15,000,000.00) for retaining wall		SUM		15,000,000.00
	TOTAL FOR LOWER GROUND FLOOR CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	GROUND FLOOR				
	<u>ELEMENT 01</u>				
	<u>REINFORCED CONCRETE</u>				
	Superstructures				
	Vibrated reinforced concrete (1:1:2) Class 30/20mm in:				
A	Beams	84	Cm		
B	Gutter beam 150mm thick	20	Cm		
C	Columns	51	Cm		
D	Suspended slabs, thickness 150mm	1443	Sm		
E	Shaft walls thickness 200mm	66	Sm		
F	150x200mm thick kerb	246	Lm		
	<u>Reinforcement (all provisional)</u>				
	Deformed bars as described in:				
G	8mm diameter bars in beams	2920	Kgs		
H	16mm ditto anti crack in beams	5302	Kgs		
J	20mm diameter bars in beams	12686	Kgs		
K	8mm ditto; in column	147	Kgs		
L	10mm ditto; in column	2146	Kgs		
M	12mm ditto	375	Kgs		
N	16mm ditto in column	0	Kgs		
P	20mm ditto;	587	Kgs		
Q	25mm ditto;	6250	Kgs		
R	32mm ditto	14566	Kgs		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	8mm ditto in gutter beam	791	Kgs		
B	10mm ditto	1637	Kgs		
C	16mm ditto	730	Kgs		
D	20mm ditto	0	Kgs		
E	10mm in suspended floor slab	38500	Kgs		
F	12mm ditto in Kerb	1033	Kgs		
G	12mm diameter in shaft wall	1353	Kgs		
	<u>Sawn formwork to:</u>				
H	Sides of soffits of beams	920	Sm		
J	Sides and soffits of gutter beams	148	Sm		
K	Sides of columns	444	Sm		
L	Ditto curved 150mm radii	57	Sm		
M	Sides of Shaft walls	135	Sm		
N	Soffites of suspended slabs	1443	Sm		
P	Sides and soffites of kerb	94	Sm		
Q	Edges of ditto 150-225mm wide	310	Sm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>STAIRCASES 3 NO.</u>				
	<u>In situ concrete (1:1:2) reinforcement</u>				
	<u>Normal class 30/20mm vibrated</u>				
A	Stairs	7	Cm		
B	150mm thick landing	11	SM		
C	Stair beam	1	CM		
	Bars: Ribbedsteel: cold worked: including bends, hooks tying wire, distance block and spacers (provisional)				
D	Various	1200	KG		
	<u>Sawn formwork to:</u>				
E	Sloping soffits of stairs	23	SM		
F	Horizontal soffits of landings	11	SM		
G	Ditto edge of landing 150-225mm	32	LM		
H	Face of riser girth over 75mm - 150mm high	66	LM		
J	Sides and soffites of beam	13	SM		
K	Open string of staircase 335mm external height including cutting to profile of treads and riser	36	LM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	RAMPS				
	<u>Reinforced concrete class 30/20mm</u>				
	<u>mix (1: 1: 2) in:-</u>				
A	Beams raking	5	CM		
B	Beams horizontal	2	CM		
C	150mm thick suspended ramp raking	67	SM		
D	150mm thick horizontal suspended landings	15	SM		
	<u>Sawn formwork to:</u>				
E	Sides and soffities of beams, horizontal	23	SM		
F	Ditto, raking	54	SM		
G	Soffites of raking suspended ramp slabs	67	SM		
H	Ditto horizontal landings	15	SM		
J	Edges of suspended Landing 150 to 75mm wide	49	LM		
	<u>Steel reinforcement as described including cutting to length bending hoisting and fixing including all necessary tying wires and spacing blocks (all provisional)</u>				
	<u>Ribbed bars</u>				
K	8mm diameter bars in beams	292	KG		
L	16mm ditto in beams	858	KG		
M	10mm diameter bars in suspended slabs	1640	KG		
	Carried to collection below				
	COLLECTION				
	Brought forward from page C/H/126				
	Brought forward from page C/H/127				
	Brought forward from page C/H/128				
	Brought forward from page C/H/129				
	Total for element No. 01 carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 02</u>				
	<u>WALLING</u>				
	<u>External walls</u>				
	<u>Hessian based Bituminous Damp Proof Course bedded and jointed in cement sand mortar 1:3</u>				
A	200mm wide	347	Lm		
B	150mm wide	0	Lm		
C	100mm wide	70	Lm		
D	400mm wide	44	Lm		
E	200mm thick natural stone walling; medium chiseled dressed; bedded and jointed in cement and (1:3) mortar	447	Sm		
F	200mm thick precast concrete louvre block walling jointed and bedded in cement mortar (1:4)	87	sm		
	<u>Internal walls</u>				
	<u>Approved load bearing machine dressed "Thika" natural stone walling bedded and jointed in cement sand (1:3) mortar with 20mm wide hoop irons in every alternate course</u>				
G	200mm thick walling	872	Sm		
H	150mm thick ditto	0	Sm		
J	100mm thick ditto	65	Sm		
K	200mm thick dwarf wall	62	Sm		
L	400mm thick wall	105	Sm		
M	200mm thick ramp wall	46	Sm		
	<u>Aluminium partition walling</u>				
N	Powder coated anodised aluminium partition walling comprising 100 x 50mm extruded aluminium frame sections at 900mm vertical centers and 1050mm horizontal centres; panell infilled with and including 6mm clear sheet glass; 1650mm high overall	29	Lm		
	Total element 02 walling to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 03				
	DOORS				
	Mild steel Doors (All Provisional)				
A	Double grilled door comprising 50 x 50 x 3mm rolled hollow section frame all round in filled with 30 x 30 x 2mm thick RHS vertical baluster 150mm center and similar horizontal member at 200mm centers in a straggered configuration overall size 1800 x 2400mm high	5	No		
B	Ditto single leaf size 900 x 2400mm high	0	No		
C	Mild steel pannel double door overall size 1800x2400mm high in 2No. equal leaves each leaf comprising of 6 No size 300x800mm high 10mm thick glass panels including 1200x200mm and 1200x300high double plate complete with 100x50x3mm RHS framing and metal lugs including purpose made hanging and locking accessories once primer before delivery to the site.	1	No		
D	Ditto size 1500 x 2400mm high	6	No		
E	Ditto single leaf size 900x1500mm high	3	No		
F	Ditto size 900x2400mm high	6	No		
	<i>(End of Provisional work)</i>				
G	Aluminium sections 2mm thick 50 x 50mm extrusions in top bottom and stiles and 100 x 50mm middle rail resulting bottom panel infilled with 25mm thick blockboard laminate faced both sides and top panel left open forand including glazing in door overall size 900 x 3050mm high comprising 900 x 750mm high top fanlight and 900 x 2100mm openable leaf complete with and including locking devices	5	No		
H	Ditto but double leaves overall size 1800x2400mm high	4	No		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Timber doors				
A	50mm thick in mahogany solid double paneled door overall size 1200 x 2400mm high all in solid mahogany in two equal leaves each leaf comprising 150mm top rail and stiles 200mm middle and bottom rail resulting both panels infilled with bevel raised and fielded panels	3	No		
B	Ditto overall size 1800x2400 mm high but in antique decorative bevel raised and fielded panesl (main, entry and Bank Hall doors)				
	HDF Mahogany veneered timber door				
C	45mm thick moulded panel door single swing as supplied by BG Bison or other equal approved overall size 900 x 2400mm high with 950mm top fanlight	20	No		
D	Ditto double leaved door overall size 1800x2400mm high	6	No.		
	Flush doors				
E	45mm thick semi solid cored flush door in 2No. Equal leaves hardwood lipped size 900 x 2850mm high faced both sides with interior quality veneer facing both sides with 900 x 750 high glazed fanlight at top	4	No		
F	Size 900 x 2100mm ditto	8	No		
G	Ditto 1300 x 2100mm high double leaf	4	No		
	The following in wrot mahogany				
H	200 x 50mm thick door frame with one labour plugged	40	Lm		
J	200 x 50mm transome, 2 labours	10	Lm		
K	150x50mm thick frame with one labour plugged	177	Lm		
L	150x50mm transome, 2 labours	33	Lm		
M	100 x 50mm frame one labours plugging	63	Lm		
N	40 x 15mm architrave with one labour	277	Lm		
P	25mm quadrant	277	Lm		
Q	25 x 25mm glazing beads	105	Lm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	4mm thick clear sheet glass to wood:				
A	Panes 0.5 to 1.00 square meters	53	Sm		
B	Panes 0.1to 0.5 square metres	6	Sm		
	<u>4mm thick clear sheet to metal with glazing compound</u>				
C	Panes 0.5 to 1.00 square metres	8	Sm		
	Ironmongery				
	Supply and fix the following ironmongery as "union" or other equal and approved to wood with matching screws				
D	Cylinder Bathroom lock set with turn handle and rose in satin anodized aluminium set of lever furniture Ref. Toucan DS-051	12	No		
E	Double cylinder lock set with handle on plate complete with lever furniture ditto. Ref. Elegance LS-C85-306 SN	24	No		
F	5 lever Deadlock to steel door	8	No		
G	Rebated Double cylinder lock set for double door with satin anodized aluminium set of lever furniture Ref. Elegance LS-C85-306 SN	12	No		
H	100mm stainless steel bearing butt hinges Ref. BB-403030-SS	24	Prs		
J	100mm brass parliament butt hinges Ref. P-404040-SS	42	Prs		
K	Steel door lock	13	NO		
L	Pull handle satin anodised aluminium finish 225mm ref: PH9-SS	32	NO		
M	305x200mm push plates satin anodises aluminium finish	20	NO		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Door closer as Union Ref. 8834	11	No		
B	38mm diameter rubber door stopper plugged to floor	86	No		
C	150mm long lever action flush bolt Ref. No U8052	30	No		
	Total carried to collection				
	<u>Collection</u>				
	Brought forward from page C/H//131				
	Brought forward from page C/H//132				
	Brought forward from page C/H//133				
	Brought forward from page C/H//134				
	Total element o3 carried to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>ELEMENT 04</p> <p>WINDOWS</p> <p>Fine chiseled "Blue Njiru" stone walling in cement mortar</p> <p>A 150 x 22mm cill, bedded and jointed in cement and sand 1:1 and pointed in coloured cement mortar</p> <p>Supply and fix double Artisan wrot metal curtain rods from "Challenge Engineering" or other equal and approved comprising of 25mm diameter wrought iron front 16mm diameter rear rail complete with fixing brackets, curtain holding rings and decorative end stops and all necessary paintwork</p> <p>B Curtain rods</p>	<p>130</p> <p>134</p>	<p>Lm</p> <p>Lm</p>		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Casement - External				
	Supply, assemble and fix the following purpose-made mild steel TOP HUNG OUTWARD OPENABLE windows casement complete with all opening accessories, 50 x 50mm thick frame units; including "snap on" 30mm wide permanent vent; building in lugs to jambs; plugging and screwing head and cill; bedding frames in waterproof cement mortar and pointing in approved mastic externally; fixing 4mm thick reflective glass m.s oiling, easing and adjusting as described in the following overall sizes				
A	2100 x 1500mm high	50	No		
B	2100 x 900mm high	2	No		
C	1600 x 1500mm high	4	No		
D	1500x1500mm high	1	No		
E	1800x1500mm high	1	No		
F	1500x900mm high	3	NO		
	Glazing				
G	4mm thick Reflective sheet glass and glazing in panes 0.1-1.0sm with putty compound	176	Sm		
H	Ditto; obscured glass	7	Sm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Casement - Internal				
	Supply, assemble and fix the following purpose-made mild steel <u>Top Hung Outward Opening</u> windows casement complete with all opening accessories, 50 x 50mm thick frame units; including "snap on" 30mm wide permanent vent; building in ligs to jambs; plugging and screwing head and cill; bedding frames in waterproof cement mortar and pointing in approved mastic externally; fixing 6mm thick reflective glass m.s oiling, easing and adjusting as described in the following overall sizes				
A	2100 x 1500mm high	4	No		
	Glazing				
B	4mm thick reflective sheet glass and glazing in panes 0.1-1.0sm with Putty compound	13	Sm		
C	Ditto; obscured glass	0	Sm		
	Total carried to collection				
	COLLECTION				
	Brought forward from page C/H/135				
	Brought forward from page C/H/136				
	Brought forward from page C/H/137				
	Total element 04 windows to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 05</u>				
	EXTERNAL FINISHES				
	Wall Finishes				
A	Extra over natural stone walling for neat flush horizontal and vertical joints in coloured cement mortar	447	Sm		
	Cement and sand (1:4)				
B	15mm thick cement sand (1:4) render to columns	134	Sm		
C	Ditto beam	148	Sm		
D	Ditto wall facade surfaces	295	Sm		
E	Ditto sides of gutter beam fascia	40	Sm		
F	Ditto sides and soffites of kerb	214	Sm		
G	Screeding to receive wall finish	660	SM		
	<u>Cement lime plaster: 15mm thick (1:2:9)</u>				
H	Plaster to soffites of gutter	49	Sm		
	<u>Rough and Tough wall finish</u>				
J	Prepare and apply rough and touch exterior wall finish as "Crown paints" or equivalent and to approved colour	832	Sm		
	<u>Hand scratched burnt clay</u>				
K	250x75x35mm thick brick facing in cement mortar	0	SM		
	Mazerah cladding				
L	200x200x20mm thick cladding fixed with cement and sand (1:2) mortar	660	SM		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Roof finishes				
A	Form groove in concrete for edge of felt roofing and grout in cement sand mortar (1:4) including forming bell mouth joint	165	Lm		
	<u>Supply and fit APP water proofing membrane (m/s) as Italbuild Ltd laid strictly in accordance with manufacturer's printed instructions</u>				
B	Gutter cover laid to fall and cross fall on sceed	58	Sm		
C	725mm high with top edge dressed into groove (m/s) and bottom edge jointed to felt	82	Sm		
D	Dress felt around 100mm rain water outlet	8	No		
	<u>Light weight roof screeds consisting of cement, sand and pumice (1:3:7) with 6mm layer of cement and sand topping laid to falls and crossfalls.</u>				
E	25mm screed on concrete to receive felt roofing sloping < 45 degrees from horizontal	58	Sm		
F	15mm ditto to sides of gutter beam	82	Sm		
G	50 x 50mm triangular fillet	165	Lm		
H	Work screed around 100mm rainwater outlet	8	No		
	Precast concrete class 20/12mm fair faced finished smooth				
J	250x50mm capping sunk weathered both surfaces ad twice throated bedded and jointed in cement mortar (1:3)	75	Lm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p><u>Curtain walling</u></p> <p>Curtain walling in mild steel comprising main 75x50x4mm thick extruded rolled hollow section (RHS) frame section at 800mm vertical general spacing and 700 horizontal centres resulting panels infilled with 5mm thick toughened glass and glazing with putty on 25mm 'T' sections 300mm wide and 600mm high</p> <p>Carried to collection</p> <p>COLLECTION</p> <p>Brought forward from page C/H/138 Brought forward from page C/H/139 Brought forward from page C/H/140</p>	164	SM		
Total element 05 external finishes carried to summary					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 06				
	INTERNAL FINISHES				
	<u>FLOOR FINISHES</u>				
	Cement and sand (1:4) screed				
A	Screed backing under floors finished with wood float, thickness 32mm to receive ceramic tiles (m/s)	60	Sm		
B	Ditto 20mm thick to floor to receive terrazzo (m/s)	1575	Sm		
	Floor tiles				
C	330 x 330 x 8mm thick ceramic tiles as manufactured by "Flamingo Tiles" or other approved non-slip tiles fixed with approved adhesive in approved	60	Sm		
D	100mm high ditto skirting	0	Lm		
	Polished white cement based terrazo				
E	20mm thick paving to floor polished smooth complete with and including 40x4mm thick white plastic divindings strips	1575	Sm		
F	20x100mm high skirting rounded top edge and cored junction with floor	1209	Lm		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	WALL FINISHES				
	Cement and sand (1:4) screed				
A	Screed backing to wall wood floated thickness 15mm	216	Sm		
	Coloured glazed ceramic wall tiles and fittings (cloakrooms)				
B	200 x 300 x 6mm as manufactured by "Flamingo Tiles" or other approved coloured tiles bedded and jointed in cement and sand 1:1 and pointed in coloured cement grouting	216	Sm		
	<u>Granito wall tiles</u>				
	<u>Granito wall tiles bedding and jointing in cement sand (1:3) mortar and flush pointed with white cement</u>				
C	150x150x8mm thick tiles (lift shaft)	17	Sm		
	Cement Lime plaster; 15mm thick (1:2:9)				
D	Plaster to wall surfaces	2357	Sm		
E	Ditto concrete surface	784	Sm		
	CEILING FINISHES				
F	25mm prime grade wrot cypress tongued and grooved boarding	192	Sm		
G	Extra over for forming trap door size 600 x 600mm	2	No		
H	100 x 25mm decorative gypsum cornice	1091	Lm		
J	50x50mm Aluminium 'U' section channel fixed to timber	2201	Lm		
	<u>Cement lime plaster, 15mm thick (1:2:9)</u>				
K	Ditto to soffits of suspended slabs	1443	Sm		
	<u>Sawn cypress</u>				
L	50x50mm brandering	658	Lm		
M	75x50mm ditto plugging	180	Lm		
	<u>Wrot cypress</u>				
N	100x20mm cavetto cornice plugging	180	Lm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Stair case finishes</u>				
	<u>12mm thick cement sand (1:6) plaster to:</u>				
A	Stair Beams	13	SM		
B	Sloping soffits of stairs	23	SM		
C	Horizontal soffit of landing	11	SM		
	<u>20mm thick cement sand (1:3) screed trowelled rough to receive terrazzo on:</u>				
D	Tread 300mm wide	66	LM		
E	Riser 150mm high	78	LM		
F	Landing	11	SM		
G	Edge of upto stair string 300mm wide	36	LM		
	<u>20mm polished terrazzo on:</u>				
H	Tread 300mm wide	66	LM		
J	Riser 150mm high	78	LM		
K	Landing	11	SM		
L	Edge of stair 300mm wide	36	LM		
M	20x100mm polished terrazzo skirting	52	LM		
N	Non slip carborundum inset to treads	66	LM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Ramp finishes</u>				
	<u>12mm thick cement sand (1:6) plaster to:</u>				
A	Beams	77	SM		
B	Sloping soffits of ramp	67	SM		
C	Horizontal soffits of landing	15	SM		
D	Raking edges of ramp	49	SM		
	<u>20mm thick cement sand (1:3) screed backing trowelled rough to receive terrazzo on:</u>				
E	Horizontal Landing	15	SM		
F	Sloping ramp	67	SM		
G	Edge of kerb 300mm wide	54	LM		
	<u>20mm polished terrazzo on:</u>				
H	Floors level	15	SM		
J	Ramp	67	SM		
K	Edge of ramp 300mm wide including 40x4mm thick white pvc dividing strip	54	LM		
	Total carried to Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	COLLECTION				
	Brought forward from page C/H/141				
	Brought forward from page C/H/142				
	Brought forward from page C/H/143				
	Brought forward from page C/H/144				
	Total element 06 internal finishes to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.7</u>				
	<u>ROOF CONSTRUCTION, COVERING AND RAIN WATER DISPOSAL</u>				
	<u>Roof covering</u>				
A	Gauge 28 resincot box troughed IT5 mildsteel iron roofing sheet covering nailed to timber purlins at 1350mm centres laid to slope not exceeding 25 degrees	240	Sm		
B	Translucent polycarbonic sky light roof covering to atrium	0	Sm		
C	Extra over for raking cutting	40	Lm		
	<u>Accessories, fixing as necessary to roof covering</u>				
D	Standard barrel half round ridge to match; 333mm girth ridge cap; and fixing to position	10	Lm		
E	Ditto hip cap	17	Lm		
F	Extra for box barge cover 333mm girth	0	Lm		
G	Ditto valley strip ditto	15	Lm		
H	Ditto side flashing ditto	75	Lm		
	Carried to collection				

ITEM	DESCRIPTION				QTY	UNIT	RATE	AMOUNT
	<u>All the following structural timber shall be sawn second grade treated cypress with 9-15% M.C.</u>							
A	100 x 75mm wall plate				91	Lm		
B	75 x 50mm purlins				229	Lm		
C	150 x 50mm ditto				0	Lm		
	<u>Trusses</u>							
Type	No off	Pitch	Span (mm)	Rise (mm)				
T3A	86	Mono	2600	697				
T3	4	Double	5200	697				
T4	2	Mono	3677	697				
T5	3	Double	6000	804				
	<u>The following in Trusses with nailed connections including templates fillets, straps, splices and hoisting approx 3.15metres above ground level</u>							
D	150 x 50mm rafters				280	Lm		
E	150 x 50mm joists				270	Lm		
F	100 x 50mm ties and struts				178	Lm		
G	100x50mm king post				68	Lm		
H	100 x 50mm collar splice plate				8	Lm		
	Total to collection							

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Other members</u>				
A	150 x 50mm valley rafters	30	Lm		
B	150 x 50mm hip rafters	17	Lm		
C	150 x 50mm common rafters	108	Lm		
D	200 x 25mm ridge board	10	Lm		
	Anchor bolts				
E	12mm x 50 x 2mm diameter "J" bolts, 400mm long with head nut and washers cast into concrete	96	No		
	<u>The following in wrot cypress</u>				
F	200 x 25mm thick fascia	0	Lm		
G	25 x 100mm tongue & grooved boarding secret nailed to and including 50 x 50mm celcured wrot cypress bearers or brandering at 600mm centres	194	Sm		
	Total curried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Rainwater disposal</u> <u>24g galvanized mild steel sheeting</u>				
A	Raking flashing overall 400mm girth top and turned and wedged into and including 50 x 50mm mortice in stone or concrete and rin in with cement and sand (1:3) mortar and bottom edge dressed over roofing	12	Lm		
B	Ditto horizontal	59	Lm		
	<u>26g galvanized mild steel sheeting; all welds ground smooth</u>				
C	200 x 200mm box gutter including soldered joints in the running length fixed to fascia board with and including brackets at approved centers	0	Lm		
D	Extra ; for blocked ends with 75mm dia. Outlet 100mm long	0	No		
E	100mm Diameter fulbora outlet	8	No		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	100mm diameter 22 gauge galvanized metal rain water downpipe fixed to wall with holder bats at 900mm centres	20	Lm		
B	Extra over downpipe for swan neck projecting 600mm	8	No		
C	Ditto shoe	8	No		
Galvanised mild steel sheet 22 gauge					
D	1000mm girth lining to slopping gutters with 200mm laps comprising 200 x 200mm gutter and 200mm integral flashing each side	15	Lm		
Carried to collection below					
Collection					
Brought forward page C/H/146					
Brought forward page C/H/147					
Brought forward page C/H/148					
Brought forward page C/H/149					
Brought forward page C/H/150					
Total element 07 roof construction to summary					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 08				
	BALUSTRADING & RAILINGS				
	Wrot mahogany				
A	100 x 50mm hand rail	65	Lm		
	3mm thick mild steel circular hollow extrusion tubes				
	Composite balustrading comprising 50mm diameter x 3mm thick top rail welded onto 25mm x 3mm secondary baluster 200mm long at 450mm long; 50mm diameter primary baluster at 900mm centres and 30mm diameter x 2mm horizontal braces at 250mm centres to detail including grinding welds smooth fixing to concrete plinth and kerb and end to walling				
B	Staircase railing raking 1250mm high	6	Lm		
C	Ramp railing horizontal 1250mm high	10	Lm		
D	Ramp railing raking 1250mm high	49	Lm		
E	Balustrades railing horizontal 1250mm high	97	Lm		
	Total element 08 to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 09				
	PAINTING & DECORATING				
	ROOF				
	Touch up primer and apply one undercoat and two finishing coats of 1st quality supergloss paint to:				
A	General surfaces of roof steel work	0	Kg		
B	General surfaces of 100mm diameter down pipe girth over 300mm	25	Sm		
	WINDOWS				
	Prepare and supply two undercoats stainer and two finishing coats of vanish to:-				
C	Surfaces exceeding 100 but not exceeding 200mm girth window cill	130	Lm		
	Touch up primer and apply one undercoat and two finishing coats of 1st quality supergloss paint to:-				
D	Metal Casement surface girth over 300mm internally	208	Sm		
E	Ditto Externally	183	sm		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	DOOR				
	Prepare and apply two undercoats stainer and two finishing coats of vanish to:-				
A	General surfaces of doors	199	Sm		
B	Surfaces not exceeding 100mm girth	534	Lm		
C	Surfaces exceeding 200 but n.e. 300mm girth	259	Lm		
	Prepare and apply one undercoat and two finishing coats of gloss oil paint to:				
D	General surfaces of doors both side measured	52	Sm		
E	Surfaces not exceeding 100mm girth	126	LM		
F	Surfaces exceeding 100 but not exceeding 200mm girth	63	Lm		
	Touch up primer and apply one undercoats and two finishing coats of 1st quality supergloss paint to:				
G	General surfaces of metal (b.s.m.)	103	Sm		
	EXTERNAL FINISHES				
	Prepare and apply 3 No. coats matt vinyl exterior wall finish as paint to:				
H	General rendered surfaces externally	832	Sm		
J	Louvre block walling	87	Sm		
K	Soffites of gutter beam	49	Sm		
	Prepare and apply 1 No coats stainer and 2 No. finishing coats of varnish to:				
L	General surfaces of mazerah tiling	660	SM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	INTERNAL FINISHES				
	Prepare and apply one undercoat and two finishing coats of 1st quality silk vinyl paint to:-				
A	General plastered surfaces of walls	1733	Sm		
B	General plastered surfaces of horizontal suspended soffits	1443	Sm		
C	General plastered concrete surfaces	784	Sm		
D	General surfaces of louvered block walling	87	Sm		
E	Surfaces not exceeding 100mm girth of cornice	1091	Lm		
	Prepare and apply one undercoat and two finishing coats of vinyl silk plastic emulsion				
F	Stair beam	13	Sm		
G	Sloping soffits of stairs	23	Sm		
H	Horizontal soffit of landing	11	Sm		
	Prepare and apply one undercoat and two finishing coats of vinyl silk plastic emulsion				
J	Beam	77	SM		
K	Sloping and horizontal soffits of ramp	82	SM		
L	Raking edges of ramp	54	SM		
	JOINERY FIXTURES				
	Prepare and apply two undercoats stainer and two finishing coats of vanish to:-				
M	General surfaces of timbers	194	Sm		
N	Surfaces not exceeding 100mm girth	180	Lm		
P	Surfaces exceeding 100 but not exceeding 200mm girth	0	Lm		
	Total collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Metal work				
	Touch up primer and apply one undercoat and two finishing coats of 1st quality supergloss paint paint to:-				
A	General surfaces of ramp balustrading	188	sm		
B	Ditto griled surfaces (b.s.m)	0	Sm		
	Total carried to collection below				
	<u>COLLECTION</u>				
	Brought forward from page C/H/152				
	Brought forward from page C/H/153				
	Brought forward from page C/H/154				
	Brought forward from page C/H/155				
	Total element 09 to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p>ELEMENT NO. 10</p> <p>JOINERY FIXTURES</p> <p>Provide a sum of Kenya shillings two million five hundred thousand (Kshs. 2,500,000.00)</p>		SUM		2,500,000.00
	Total element 10 to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 11</u>				
	<u>APRON</u>				
	Precast paving slabs				
A	Excavate in normal soil not exceeding 300mm deep; backfill with murrum to form base to receive PCC paving slabs (m/s) and cart away arisings	480	Sm		
B	150mm thick compacted murrum bed				
C	Approved weed killer applied according to manufacturer's instructions	600	Sm		
D	Premise200" Anti-termite treatment to murrum	600	Sm		
E	600 x 600 x 50mm thick PCC slabs on and including 50mm sand bed jointed and pointed in cement sand 1:3 mortar	600	Sm		
F	Provide lay and joint 100x100mm PCC channel on and including plain concrete class Q in bed and hauch	400	Lm		
G	Provide, lay and joint rain water shalow invert block Drain (IBD) on including compacted 100mm bed of approved murrum bed complete with excavations, (not exceeding 1.5 meters deep) soil disposal, necessary formwork all to MOW detail (50) 5353	400	Lm		
	Total for element No. 11carried to summary				

MECHANICAL WORKS

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 12 SANITARY FITTINGS <u>Supply deliver install the following sanitary fittings including all materials and jointing to supply waste/sor abd overflow pipes</u> <u>Shires product are specified only as an indication of quality equal and approved appliances may be supplied where trade names are mentioned the Ref: No. is intended only as a guide to the type an quality of fitting</u>				
	Water closet				
A	Stylish economy close couples washdown vitreous China VVC suite in approved colour comprising WC bowl with horizontal outlet 9 litres cistern with fittings and chrome plated lever, bottom inlet and overflow seal and cover As 'Shires' PENANG or approved equivalent	12	NO		
	Wash hand basins				
B	An elegantly sityled viterous China semi-mounted washbasin wash hand basin with single taphole and of size 550mm 435mm in approved colour complete with Aztec monoblock basin mixer 32mm dia pop up waste chrome outlet 20mm chorme plated bottle trap as 'Shires' 'ACCORD' or approved equivalent	12	NO		
	Kitchen sink Inset type				
C	Single bowl single drainer(SB SD) stainless steel sink size 1300x500mm bowl size 370xx340 x 15mm complete with overflow, waste fittings, plugs chain stays abd 40mm diameter plastic bottle trap with 75mm deep seal complete with a chrome plated sink mixer. Sink shall be as ASL	1	NO		
	Toilet roll holder				
D	Toilet roll holder in vitreous china and approved colour	12	NO		
	Urinal bowls				
E	Pair of urinal bowls in glazed china comprising bowl supports, 40mm outlet grating, 9 litre automatic flush cistern and fittings, flush pipe and chromium plated spreaders, 40mm bottle trap and division	2	NO		
	Carried to collection below				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Robe Hook</u>				
A	Hollow cast Double Robe hook in vitreous china and in white colour moulnted on to concealed screw to wall wedges to be as Shires (989) or approved euivalnet	12	NO		
	<u>Sponge tray</u>				
B	Soap and sponge tray in approved colour	6	NO		
C	Polished plate glass silver backed mirror with edges size 610x497mm plugged and screwed to wall with domed capped chrome plated screws and form back rest	12	NO		
	<u>Enclosure</u>				
	<u>Shower enclosure comprising he follwing:</u>				
D	915mmx915mm free standing heavy duty shower tray complete with anti-slip resistance base stainless steel grid waste fitting wooden frame and adjustable feet complete with 40mm waste and tram As 'Shires' ARAM on or approved equivalent	0	NO		
E	Shower fitting as 'Bricon' wall type with concealed riser pipe canna handle and adjustable shower rose	1	NO		
	<u>Towel rail</u>				
F	Towel rail 20mm diameter x900mm long approved towel tolle chrome plugged and screwed into the wall	0	NO		
	<u>Soap dispenser</u>				
G	Soap dispenser capacity 1,136 litres complete with plastic plugs fixing screws, lock and key complete with intial cap gel The soap dispenser to be as ZALPON'S model size 125x100x290mm high or approved or equivalent	4	NO		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p><u>Hand drier</u></p> <p>Plastic hand drier, operating an automatic infrared plastic sensing system with safety cut complete with plastic raw plug and fixing screws. The hand drier to a heating capacity of 2.1 kw performed flow rate 3.82mm/ Minute a Wands worth bunnier Model KDZ or approved or equivalent</p>	4	NO		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>INTERNAL PLUMBING</u>				
	<u>Supply, deliver and instal the following PPR pipework and fittings Bidders must allow in their pipework prices for all the male/plastic adaptors socket bends PP-R pipes</u>				
A	20mm diameter	36	LM		
B	25mm dia	70	LM		
C	32mm ditto	42	LM		
D	45mm ditto	45	LM		
	<u>Extra over PP-R pipework for the following bends</u>				
E	20mm dia threaded ben	27	NO		
F	20mm dia bend	50	NO		
G	25mm ditto	9	NO		
H	32mm ditto	22	NO		
	<u>Tees</u>				
J	32mm dia tee	11	NO		
K	32x25mm reduced tee	22	NO		
L	25x20mm reduced tee	20	NO		
M	32x34 male threaded tee	11	NO		
N	25x34' male threaded tee	20	NO		
	<u>Sockets</u>				
P	25x12 male threaded tee	30	NO		
Q	20mm dia sockets	10	NO		
R	25mm ditto	5	NO		
S	32mm dia sockets	5	NO		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Unions				
A	25mm dia unions	22	NO		
B	25mm ditto	18	NO		
C	32mm ditto	23	NO		
D	40mm ditto	10	NO		
	<u>Transition fittings</u>				
E	20x12 round male transition piece	15	NO		
F	25x34' threaded male joint	3	NO		
G	20x12 ditto	15	NO		
	<u>Gate Valves</u>				
H	20mm diameter 'Pegler' gate valve	3	NO		
J	25mm ditto	3	NO		
K	25mm ditto	2	NO		
	<u>Ball valves</u>				
L	20mm ditto	0	NO		
	<u>Flexible connections</u>				
M	15mm diameter flexible connections	24	NO		
	<u>Roof tanks</u>				
N	920 litres (200 gallons) water tanks each of dia 1300mm and height 1530mm As 'Roto' or approved equivalent	0	NO		
	<u>Heaters</u>				
P	Intantenuous shower heaters	0	NO		
Q	7.5 litres Undersink water heaters	1	NO		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>INTERNAL DRAINAGE</u>				
	Supply deliver and install the following UPVC and muPVC soil and waste pipe work bidders must allow in their pipes for all various sizes of connectors adaptors etc required for the satisfaction functioning of the drainage system				
	Upvc and muPVC pipes				
A	100mm diameter heavy duty golden brown pipe class 'D	30	LM		
B	100mm diameter heavy duty UPVC grey pipe class 'D	36	LM		
C	50mm ditto	28	LM		
D	45mm ditto	10	LM		
E	32mm ditto	16	LM		
	<u>Extra over uPVC and muPVC pipework for the following:-</u>				
F	100mm dia WC connectors	6	NO		
G	100mm dia single branch	4	NO		
H	100mm dia vent cowl and weathering state/apron	3	NO		
J	100mmx50mm dia boss connection	7	NO		
K	100x50mm dia floor trap	10	NO		
L	100mm dia long radius bend	3	NO		
M	100mm dia short radius bend	4	NO		
N	100mm dia gully trap c/w cover and grating	3	NO		
P	32mm dia bends	17	NO		
Q	40mm dia bends	8	NO		
R	32mm dia sweeo tee	5	NO		
S	40mm dito	3	NO		
T	50mm ditto	4	NO		
U	32mm dia access caps	6	NO		
V	40mm ditto	3	NO		
W	100mm ditto	6	NO		
X	50x40mm reducer	4	NO		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>FIRE PROTECTION SERVICES</u>				
	Supply deliver and install the folliwng fire fighting equipment				
	<u>Water/CO. Extiguisher</u>				
A	9 litre water/CO gas portable fire extinguisher complete with car washer suphon tube CO ₂ cartridge and flexible rubber hose nozzle full charged	5	NO		
	<u>CO Gas, Fine Extinguisher</u>				
B	5KG dry CO ₂ gas portable extinguisher complete with squeeze grip operating head and discharg nozzle fully charged	5	NO		
	<u>Manual Bell</u>				
C	9" (225mm) all imported manual bell	5	NO		
	TOTAL FOR FIRE FIGHTING EQUIPMENTS CARRIED FORWARD TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p><u>Testing and commissioning</u></p> <p>Testing and commissioning of the internal drainage installation to the satisfaction of the Engineer</p> <p style="text-align: right;">Total carried to collection</p> <p><u>COLLECTION</u></p> <p>Brought forward from page C/H/158</p> <p>Brought forward from page C/H/159</p> <p>Brought forward from page C/H/160</p> <p>Brought forward from page C/H/161</p> <p>Brought forward from page C/H/162</p> <p>Brought forward from page C/H/163</p> <p>Brought forward from page C/H/164</p> <p>Brought forward from page C/H/165</p>		ITEM		
	TOTAL FOR INTERNAL PLUMBING AND DRAINAGE FFA CARRIED TO SUMMARY				

Item	Description	UNIT	QTY	Rate	Amount
	<u>ELEMENT NO. 13</u>				
	<u>Schedule No. 2 Electrical Installation – Ground Floor</u>				
1.00	Supply, install, test and commission the following :				
1.01	Lighting points wired in 3 x 1.5 sq mm sc PVC copper cables drawn in 20mm diameter HG PVC conduits concealed in building fabric including all accessories but without lighting switches and fittings for: -				
	a) One way switching	NO	262		
	b) Two way switching	NO	70		
1.02	5A white moulded lighting switches as MK or approved equivalent:-				
	a) One gang one way	NO	36		
	b) One gang two way	NO	18		
	c) Two gang two way	NO	12		
	d). water proof, One gang two way	NO	6		
	e). Intermediate	NO	8		
1.03	Lighting fittings complete with appropriate rated LED lamps as follows: -				
	a) 1200mm, 1X15 W LED lighting fitting with opal diffuser for surface mounting as Phillips or approved equivalent	NO	60		
	b) 1200mm, 1X15 W LED lighting fitting with aluminium louvers for surface mounting as Phillips or approved equivalent	No.	28		
	b) 600mm 1x15 W bare batten LED lighting fitting as Phillips or its equal and approved equivalent	NO	12		
	c) 1200mm,1X15 W, corrosion and water resistant LED lighting fitting with clear diffuser for surface mounting as Phillips or approved equivalent	NO	18		
	d) 600mm, 1X15 W, water resistant LED lighting fitting with clear diffuser for surface mounting as Phillips or approved equivalent	NO	26		
	e). Emergency exit signs fitted with 8W LED lamps as Menvier or its equal and approved equivalent	NO	48		
	f) 1200mm, 1x15 W heat proof LED lighting fitting as Phillips or its equal and approved equivalent	No.	4		
	Sub total for ground floor Carried Forward to next page				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Sub-total Brought Forward from Previous page				
	g). 2 x 8W LED bulkhead fitting as Philips or its equal and approved equivalent	NO	28		
	h)Downlighters	No.	80		
	i)2 light wall bracket to approval of Engineer	No.	38		
1.04	Power point wired in 3 x 2.5 sq mm sc PVC copper cables drawn in 25mm diameter HG PVC conduits concealed in building fabric including all accessories	NO	96		
1.05	13A twin switched socket outlet plate ivory type as MK or approved equivalent	NO	96		
	Sub total for ground floor Carried Forward to Next page				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Sub total Brought Forward from previous page				
1.08	8- way TPN Distribution Board complete with a 100A integral isolator as CRABTREE or approved equivalent	NO	3		
1.09	MCBs as Crabtree or approved equivalent:-				
	a) 5A	NO	34		
	b) 30A	NO	10		
1.10	Telephone point complete with outlet plate in 20mm PVC conduit as Crabtree or its approved equivalent	NO	96		
	CCTV point complete with outlet plate in 20mm PVC conduit, as Crabtree	No.	26		
1.11	Cooker circuit wired in 3 x 6 sq mm sc PVC copper cables drawn in concealed 25mm diameter HG PVC conduits	ITEM	2		
1.12	45 A cooker control unit as Crabtree or approved equivalent complete with cooker connection unit.	NO	2		
1.13	Machine circuit wired in 5 x 6 sq mm sc PVC copper cables drawn in concealed 38mm diameter HG PVC conduits	Item	8		
1.14	Air conditioning circuit wired in 5 x 6 sq mm SC PVC copper cables drawn in concealed 50 mm diameter HG PVC conduits	Item	8		
1.15	30 A TPN isolator for connecting item No. 1.15 as MEM or approved equivalent	NO	8		
1.16	Sub mains wired with 4 core, 120 sq mm sc PVC/SWA/PVC copper cable	M	100		
Sub total for ground floor Carried Forward to next Page					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Sub total Brought Forward from previous Page				
1.17	Photocell as Thorn QPK or approved	NO	2		
1.18	20 A TPN Electromagnetic contactor as TELTMECHANIC or approved equivalent	NO	2		
1.19	Security lighting circuit wired in 5 x 4 sq mm SC PVC copper cables drawn in concealed 50 mm diameter HG PVC conduits	Item	2		
	Sub mains wired in 5 x 16sq mm SC PVC copper cables drawn in concealed 50 mm diameter HG PVC conduits	m.	200		
1.20	800A medium voltage recessed in the wall switchboard fully wired and complete with the following:				
	a) 0-800Amps full scale Ammeter	NO	1		
	b) 0-900v full scale Voltmeter	NO	1		
	c) 1200A TPN main incoming MCCB	NO	1		
	d) 100A TPN MCCB	NO	18		
	e) 60A SPN MCCB	NO	2		
	f) 800A TPN bus bar	NO	1		
	g) selector switches and three phase indicator lamps	NO	1		
	Total For ground floor carried to summary page				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUMMARY FOR GROUND FLOOR				
1	Total from page CH//129 Reinforced concrete frame				
2	Total from page C/H130 Walling				
3	Total from page C/H/134 Doors				
4	Total from page C/H/137 Windows				
5	Total from page C/H/140 External finishes				
6	Total from page C/H/145 Internal finishes				
7	Total from page C/H/150 Roofing				
8	Total from page C/H/151 Balustrades and Railing				
9	Total from page C/H/155 Painting and Decorating				
10	Total from page C/H/156 Joinery Fixtures				
11	Total from page C/H/157 Apron				
12	Total from page C/H/165 Internal Plumbing, and Drainage and FFA				
13	Total from page C/H/169 Electrical works				
	TOTAL FOR GROUND FLOOR CARRIED TO MAIN SUMMARY				

PROPOSED CONSTRUCTION OF NAKURU COUNTY HEADQUARTERS
1ST, 2ND, 3RD AND 4TH FLOORS

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 01</u>				
	<u>REINFORCED CONCRETE FRAME</u>				
	Vibrated reinforced concrete (1:1:2) Class 30/20mm in:				
A	Beams	65	Cm		
B	Columns	48	Cm		
C	Suspended slabs, thickness 150mm	1443	Sm		
D	Shaft walls thickness 200mm	66	Sm		
E	150x200mm thick kerb	246	Lm		
	<u>Reinforcement (all provisional)</u>				
	Deformed bars as described in:				
F	8mm diameter bars in beams	2920	Kgs		
G	16mm ditto anti - crack in beams	4269	Kgs		
H	20mm diameter bars in beams	11071	Kgs		
J	8mm ditto; in columns	55	Kgs		
K	10mm ditto; in columns	2146	Kgs		
L	20mm ditto; in columns	587	Kgs		
M	25mm ditto; in columns	12188	Kgs		
N	32mm ditto; in columns	4856	Kgs		
P	10mm in suspended floor slab	38500	Kgs		
Q	12mm ditto in Kerb	1033	Kgs		
R	12mm diameter in shaft wall	1353	Kgs		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Sawn formwork to:</u>				
A	Sides of soffits of beams	798	Sm		
B	Sides and soffits of gutter beams	0	Sm		
C	Sides of columns	485	Sm		
D	Ditto curved 150mm radii	7	Sm		
E	Sides of Shaft walls	135	Sm		
F	Soffites of suspended slabs	1443	Sm		
G	Sides and soffites of kerb	94	Sm		
H	Edges of ditto 150-225mm wide	246	Lm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>STAIRCASES 3 NO.</u>				
	<u>Insitu concrete (1:1:3) reinforced</u>				
	<u>Normal class 30/20mm vibrated</u>				
A	Stairs	7	Cm		
B	150mm thick landing	11	SM		
C	Stair beam	1	CM		
	Bars: Ribbedsteel: cold worked: including bends, hooks tying wire, distance block and spacers (provisional)				
D	Various	1200	KG		
	<u>Sawn formwork to:</u>				
E	Sloping soffits of stairs	23	SM		
F	Horizontal soffits of landings	11	SM		
G	Ditto edge of landing 150-225mm	32	LM		
H	Face of riser girth over 75mm - 150mm high	66	LM		
J	Sides and soffites of beam	13	SM		
K	Open string of staircase 335mm external height including cutting to profile of treads amd riser	36	LM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	RAMPS				
	Reinforced concrete class 30/20mm				
	<u>mix (1: 1: 2) in:-</u>				
A	Beams raking	5	CM		
B	Beams horizontal	2	CM		
C	150mm thick suspended ramp raking	67	SM		
D	150mm thick horizontal suspended landings	15	SM		
	<u>Sawn formwork to:</u>				
E	Sides and soffities of beams, horizontal	23	SM		
F	Ditto, raking	54	SM		
G	Soffites of raking suspended ramp slabs	67	SM		
H	Ditto horizontal landings	15	SM		
J	Edges of suspended Landing 150 to 75mm wide	49	LM		
	<u>Steel reinforcement as described including cutting to length bending hoisting and fixing including all necessary tying wires and spacing blocks (all provisional)</u>				
	<u>Ribbed bars</u>				
K	8mm diameter bars in beams	292	KG		
L	16mm ditto in beams	858	KG		
M	10mm diameter bars in suspended slabs	1640	KG		
	Carried to collection				
	COLLECTION				
	Brought forward from page C/H/171				
	Brought forward from page C/H/172				
	Brought forward from page C/H/173				
	Brought forward from page C/H/174				
	Total for element No. 01 carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 02</u>				
	<u>WALLING</u>				
	<u>External walls</u>				
A	200mm thick natural stone walling; medium chiseled dressed; bedded and jointed in cement and (1:3) mortar	469	Sm		
B	200mm thick precast concrete louvre block walling jointed and bedded in cement mortar (1:4)	87	sm		
	<u>Internal walls</u>				
	Approved load bearing machine dressed "Thika" natural stone walling bedded and jointed in cement sand (1:3) mortar with 20mm wide hoop irons in every alternate course				
C	200mm thick walling	1203	Sm		
D	150mm thick ditto	0	Sm		
E	100mm thick ditto	141	Sm		
F	200mm thick dwarf wall	95	Sm		
G	400mm thick wall	105	Sm		
H	200mm thick ramp wall	46	Sm		
	<u>Aluminium partition walling</u>				
J	Powder coated anodised aluminium partition walling comprising 100 x 50mm extruded aluminium frame sections at 900mm vertical centers and 1050mm horizontal centres; panell infilled with and including 6mm clear sheet glass; 1650mm high overall	24	Lm		
	Total element 02 walling to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 03				
	DOORS				
	Mild steel				
A	Double grilled door comprising 50 x 50 x 3mm rolled hollow section frame all round in filled with 30 x 30 x 2mm thick RHS vertical baluster 150mm center and similar horizontal member at 200mm centers in a straggered configuration overall size 1800 x 2400mm high	6	No		
B	Ditto single leaf size 900 x 2400mm high	0	No		
C	Mild steel pannel double door overall size 1800x2400mm high in 2No. equal leaves each leaf comprising of 6 No size 300x800mm high 10mm thick glass panels including 1200x200mm and 1200x300high double plate complete with 100x50x3mm RHS framing and metal lugs including purpose made hanging and locking accessories once primer before delivery to the site.	0	No		
D	Ditto size 1500 x 2400mm high	0	No		
E	Ditto single leaf size 900x1500mm high	0	No		
F	Ditto size 900x2400mm high	0	No		
	Aluminium Doors				
G	Aluminium sections 2mm thick 50 x 50mm extrusions in top bottom and stiles and 100 x 50mm middle rail resulting bottom panel infilled with 25mm thick blockboard laminate faced both sides and top panel left open for glazing (m/s) in door overall size 900 x 3050mm high comprising 900 x 950mm high top fanlight and 900 x 2100mm openable leaf complete with and including locking devices	4	No		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Timber doors				
A	50mm thick double paneled door overall size 1500 x 2400mm high all in solid mahogany in two equal leaves each leaf comprising 150mm top rail and stiles 200mm middle and bottom rail resulting both panels instilled with bevel raised and fielded panels	6	No		
	HDF Mahogany veneered timber door				
B	45mm thick moulded panel door single swing as supplied by BG Bison or other equal approved overall size 900 x 2400mm high with 950mm top fanlight	42	No		
C	45mm thick double door ditto size 1200x2400mm high	4	No		
	Flush doors				
D	45mm thick semi solid cored flush door in 2No. Equal leaves hardwood lipped size 900 x 2850mm high faced both sides with interior quality veneer facing both sides with 900 x 750 high glazed fanlight at top	4	No		
E	Size 900 x 2100mm ditto	8	No		
F	Ditto 1300 x 2100mm high double leaf	4	No		
	The following in wrot mahogany				
G	200 x 50mm thick door frame with one labour plugged	38	Lm		
H	200 x 50mm transome, 2 labours	9	Lm		
J	150x50mm thick frame with one labour plugged	263	Lm		
K	150x50mm transome, 2 labours	43	Lm		
L	100 x 50mm frame one labours plugging	73	Lm		
M	100x50mm Transome, 2 labours	4	Lm		
N	40 x 15mm architrave with one labour	373	Lm		
P	25mm quadrant	373	Lm		
Q	25 x 25mm glazing beads	148	Lm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	4mm thick clear sheet glass to wood:				
A	Panes 0.5 to 1.00 square meters	3	Sm		
B	Panes 0.1to 0.5 square metres	16	Sm		
	<u>4mm thick clear sheet to metal with glazing compound</u>				
C	Panes 0.5 to 1.00 square metres	0	Sm		
	Ironmongery				
	Supply and fix the following ironmongery as "union" or other equal and approved to wood with matching screws				
D	Cylinder Bathroom lock set with turn handle and rose in satin anodized aluminium set of lever furniture Ref. Toucan DS-051	16	No		
E	Double cylinder lock set with handle on plate complete with lever furniture ditto. Ref. Elegance LS-C85-306 SN	42	No		
F	5 lever Deadlock to steel door	6	No		
G	Rebated Double cylinder lock set for double door with satin anodized aluminium set of lever furniture Ref. Elegance LS-C85-306 SN	4	No		
H	100mm stainless steel bearing butt hinges Ref. BB-403030-SS	30	Prs		
J	100mm brass parliament butt hinges Ref. P-404040-SS	75.5	Prs		
K	Steel door lock	0	NO		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Door closer as Union Ref. 8834	4	No		
B	38mm diameter rubber door stopper plugged to floor	70	No		
C	150mm long lever action flush bolt Ref. No U8052	8	No		
	Total carried to collection				
	<u>Collection</u>				
	Brought forward from page C/H//176				
	Brought forward from page C/H//177				
	Brought forward from page C/H//178				
	Brought forward from page C/H//179				
	Total element o3 carried to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>ELEMENT 04</u></p> <p>WINDOWS</p> <p>Fine chiseled "Blue Njiru" stone walling in cement mortar</p> <p>A 150 x 22mm cill, bedded and jointed in cement and sand 1:1 and pointed in coloured cement mortar</p> <p>Supply and fix double Artisan wrot metal curtain rods from "Challenge Engineering" or other equal and approved comprising of 25mm diameter wrought iron front 16mm diameter rear rail complete with fixing brackets, curtain holding rings and decorative end stops and all necessary paintwork</p> <p>B Curtain rods</p>	<p>155</p> <p>139</p>	<p>Lm</p> <p>Lm</p>		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Casement - External				
	Supply, assemble and fix the following purpose-made mild steel SIDE HUNG OUTWARD OPENABLE windows casement complete with all opening accessories, 50 x 50mm thick frame units; including "snap on" 30mm wide permanent vent; building in lugs to jambs; plugging and screwing head and cill; bedding frames in waterproof cement mortar and pointing in approved mastic externally; fixing 4mm thick reflective glass m.s oiling, easing and adjusting as described in the following overall sizes				
A	2100 x 1500mm high	58	No		
B	2100 x 900mm high	2	No		
C	1600 x 1500mm high	4	No		
D	1500x1500mm high	2	No		
E	1800x1500mm high	0	No		
F	1500x900mm high	2	NO		
	Glazing				
G	4mm thick Reflective sheet glass and glazing in panes 0.1-1.0sm with putty compound	197	Sm		
H	Ditto; obscured glass	7	Sm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>Casement - Internal</u></p> <p>Supply, assemble and fix the following purpose-made mild steel <u>Top Hung Outward Opening</u> windows casement complete with all opening accessories, 50 x 50mm thick frame units; including "snap on" 30mm wide permanent vent; building in ligs to jambs; plugging and screwing head and cill; bedding frames in waterproof cement mortar and pointing in approved mastic externally; fixing 6mm thick reflective glass m.s oiling, easing and adjusting as described in the following overall sizes</p>				
A	2100 x 1500mm high	8	No		
	Glazing				
B	4mm thick reflective sheet glass and glazing in panes 0.1-1.0sm with Putty compound	25	Sm		
C	Ditto; obscured glass	0	Sm		
	Total carried to collection				
	COLLECTION				
	Brought forward from page C/H/180				
	Brought forward from page C/H/181				
	Brought forward from page C/H/182				
	Total element 04 windows to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 05</u>				
	EXTERNAL FINISHES				
	Wall Finishes				
A	Extra over natural stone walling for neat flush horizontal and vertical joints in coloured cement mortar	469	Sm		
	Cement and sand (1:4)				
B	15mm thick cement sand (1:4) render to columns	78	Sm		
C	Ditto beam	148	Sm		
D	Ditto wall facade surfaces	158	Sm		
E	Ditto sides of gutter beam fascia	0	Sm		
F	Ditto sides and soffites of kerb	142	Sm		
G	Screeding to receive wall finish	469	SM		
	<u>Cement lime plaster: 15mm thick (1:2:9)</u>				
H	Plaster to soffites of gutter	0	Sm		
	<u>Rough and Tough wall finish</u>				
J	Prepare and apply rough and touch exterior wall finish as "Crown paints" or equivalent and to approved colour	526	Sm		
	<u>Hand scratched burnt clay</u>				
K	250x75x35mm thick brick facing in cement mortar	469	SM		
	Mazerah cladding				
L	200x200x20mm thick cladding fixed with cement and sand (1:2) mortar	0	SM		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p><u>Curtain walling</u></p> <p>Curtain walling in mild steel comprising main 75x50x4mm thick extruded rolled hollow section (RHS) frame section at 800mm vertical general spacing and 700 horizontal centres resulting panels infilled with 5mm thick toughened glass and glazing with putty on 25mm 'T' sections 300mm wide and 600mm high</p> <p>Carried to collection</p> <p>COLLECTION</p> <p>Brought forward from page C/H/183</p> <p>Brought forward from page C/H/184</p>	234	SM		
Total element 05 external finishes carried to summary					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 06				
	INTERNAL FINISHES				
	<u>FLOOR FINISHES</u>				
	Cement and sand (1:4) screed				
A	Screed backing under floors finished with wood float, thickness 32mm to receive ceramic tiles (m/s)	84	Sm		
B	Ditto 20mm thick to floor to receive terrazzo (m/s)	1359	Sm		
	Floor tiles				
C	330 x 330 x 8mm thick ceramic tiles as manufactured by "Flamingo Tiles" or other approved non-slip tiles fixed with approved adhesive in approved	84	Sm		
D	100mm high ditto skirting	0	Lm		
	Polished white cement based terrazo				
E	20mm thick paving to floor polished smooth complete with and including 40x4mm thick white plastic divindings strips	1359	Sm		
F	20x100mm high skirting rounded top edge and cored junction with floor	12500	Lm		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	WALL FINISHES				
	Cement and sand (1:4) screed				
A	Screed backing to wall wood floated thickness 15mm	360	Sm		
	Coloured glazed ceramic wall tiles and fittings (cloakrooms)				
B	200 x 300 x 8mm as manufactured by "Flamingo Tiles" or other approved coloured tiles bedded and jointed in cement and sand 1:1 and pointed in coloured cement grouting	343	Sm		
	<u>Granito to wall & tiles bedding and jointing in cement sand (1:3) mortar and flush pointed with white cement grout</u>				
C	300x300x6mm thick tiles (lift shaft)	17	Sm		
	Cement Lime plaster; 15mm thick (1:2:9)				
D	Plaster to wall surfaces	2357	Sm		
E	Ditto concrete surfaces	784	Sm		
	CEILING FINISHES				
F	Extra over for forming trap door size 600 x 600mm	0	No		
	<u>GYPSUM</u>				
G	100 x 25mm decorative gypsum cornice	1263	Lm		
H	50x50mm Aluminium 'U' section channel fixed to timber	0	Lm		
	<u>Cement lime plaster, 15mm thick (1:2:9)</u>				
J	Ditto to soffits of suspended slabs	1443	Sm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Stair case finishes</u>				
	<u>12mm thick cement sand (1:6) plaster to:</u>				
A	Stair Beams	13	SM		
B	Sloping soffits of stairs	23	SM		
C	Horizontal soffit of landing	11	SM		
	<u>20mm thick cement sand (1:3) screed trowelled rough to receive terrazzo on:</u>				
D	Tread 300mm wide	66	LM		
E	Riser 150mm high	78	LM		
F	Landing	11	SM		
G	Edge of upto stair string 300mm wide	36	LM		
	<u>20mm polished terrazzo on:</u>				
H	Tread 300mm wide	66	LM		
J	Riser 150mm high	78	LM		
K	Landing	11	SM		
L	Edge of stair 300mm wide	36	LM		
M	20x100mm polished terrazzo skirting	52	LM		
N	Non slip carborundum inset to treads	66	LM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Ramp finishes</u>				
	<u>12mm thick cement sand (1:6) plaster to:</u>				
A	Beams	77	SM		
B	Sloping soffits of ramp	67	SM		
C	Horizontal soffites of landing	15	SM		
D	Raking edges of ramp	49	SM		
	<u>20mm thick cement sand (1:3) screed backing trowelled rough to receive terrazzo on:</u>				
E	Horizontal Landing	15	SM		
F	Sloping ramp	67	SM		
G	Edge of kerb 300mm wide	54	SM		
	<u>20mm polished terrazzo on:</u>				
H	Floors level	15	SM		
J	Ramp	67	SM		
K	Edge of ramp 300mm wide including 40x4mm thick white pvc dividing strip	54	LM		
	Total carried to Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	COLLECTION				
	Brought forward from page C/H/185				
	Brought forward from page C/H/186				
	Brought forward from page C/H/187				
	Brought forward from page C/H/188				
	Total element 06 internal finishes to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 07				
	BALUSTRADING & RAILINGS				
	Wrot mahogany				
A	100 x 50mm hand rail	65	Lm		
	3mm thick mild steel circular hollow extrusion tubes				
	Composite balustrading comprising 50mm diameter x 3mm thick top rail welded onto 25mm x 3mm secondary baluster 200mm long at 450mm long; 50mm diameter primary baluster at 900mm centres and 30mm diameter x 2mm horizontal braces at 250mm centres to detail including grinding welds smooth fixing to concrete plinth and kerb and end to walling				
B	Staircase railing raking 1250mm high	6	Lm		
C	Ramp railing horizontal 1250mm high	10	Lm		
D	Ramp railing raking 1250mm high	49	Lm		
E	Passage balustrades railing horizontal 1250mm high	10	Lm		
	Total element 07 to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 08				
	PAINTING & DECORATING				
	ROOF				
	Touch up primer and apply one undercoat and two finishing coats of 1st quality supergloss paint to:				
A	General surfaces of roof steel work	0	Kg		
B	General surfaces of 100mm diameter down pipe girth over 300mm	0	Sm		
	WINDOWS				
	Prepare and supply two undercoasts stainer and two finishing coats of vanish to:-				
C	Surfaces exceeding 100 but not exceeding 200mm girth window cill	155	Lm		
	Touch up primer and apply one undercoat and two finishing coats of 1st quality supergloss paint to:-				
D	Metal Casement surface girth over 300mm internally	255	Sm		
E	Ditto Externally	204	sm		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	DOOR				
	Prepare and apply two undercoats stainer and two finishing coats of vanish to:-				
A	General surfaces of doors	225	Sm		
B	Surfaces not exceeding 100mm girth	801	Lm		
C	Surfaces exceeding 200 but n.e. 300mm girth	355	Lm		
	Prepare and apply one undercoat and two finishing coats of gloss oil paint to:				
D	General surfaces of doors both side measured	52	Sm		
E	Surfaces not exceeding 100mm girth	93	LM		
F	Surfaces exceeding 100 but not exceeding 200mm girth	77	Lm		
	Touch up primer and apply one undercoats and two finishing coasts of 1st quali ty supergloss paint to:				
G	General surfaces of metal (b.s.m.)	46	Sm		
	EXTERNAL FINISHES				
	Prepare and apply 3 No. coats matt vinyl exterior wall finish as paint to:				
H	General rendered surfaces externally	526	Sm		
J	Louvre block walling	87	Sm		
K	Soffites of gutter beam	0	Sm		
	Prepare and apply 1 No coats stainer and 2 No. finishing coats of varnish to:				
L	General surfaces of mazerah tiling	0	SM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	INTERNAL FINISHES				
	Prepare and apply one undercoat and two finishing coats of 1st quality silk vinyl paint to:-				
A	General plastered surfaces of walls	2357	Sm		
B	General plastered surfaces of horizontal suspended soffits	1443	Sm		
C	General plastered concrete surfaces	0	Sm		
D	General surfaces of louvered block walling	87	Sm		
E	Surfaces not exceeding 100mm girth of cornice	1263	Lm		
	Prepare and apply one undercoat and two finishing coats of vinyl silk plastic emulsion				
F	Stair beams	13	Sm		
G	Sloping soffits of stairs	23	Sm		
H	Horizontal soffit of landing	11	Sm		
	<u>Prepare and apply one undercoat and two finishing coats of vinyl silk plastic emulsion</u>				
J	Ramp Beams	77	SM		
K	Sloping and horizontal soffits of ramp	82	SM		
L	Raking edges of ramp	54	SM		
	JOINERY FIXTURES				
	Prepare and apply two undercoats stainer and two finishing coats of vanish to:-				
M	General surfaces of timbers	0	Sm		
N	Surfaces not exceeding 100mm girth	0	Lm		
P	Surfaces exceeding 100 but not exceeding 200mm girth	0	Lm		
	Total collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Metal work				
	Touch up primer and apply one undercoat and two finishing coats of 1st quality supergloss paint paint to:-				
A	General surfaces of railing and balustrading	188	sm		
B	Ditto grilled surfaces (b.s.m)	0	Sm		
	Prepare and apply two undercoats stainer and two finishing coats of varnish to:-				
C	Surfaces of rails exceeding 200mm but not exceeding 300mm girth	65	Lm		
	Total carried to collection below				
	<u>COLLECTION</u>				
	Brought forward from page C/H/191				
	Brought forward from page C/H/192				
	Brought forward from page C/H/193				
	Brought forward from page C/H/194				
	Total element 08 to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>ELEMENT NO. 09</p> <p>JOINERY FIXTURES</p> <p>A Provide a sum of Kenya shillings Six million (Kshs. 6,000,000.00) for joinery and fixtures</p>		SUM		6,000,000.00
	Total element 09 to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 10 <u>PLUMBING AND DRAINAGE</u> <u>Supply deliver install the following sanitary fittings including all materials and jointing to supply waste/sor abd overflow pipes</u> <u>Shires product are specified only as an indication of quality equal and approved appliances may be supplied where trade names are mentioned the Ref: No. is intended only as a guide to the type an quality of fitting</u>				
	<u>Water closet</u>				
A	Stylish economy close couples washdown vitreous China VVC suite in approved colour comprising WC bowl with horizontal outlet 9 litres cistern with fittings and chrome plated lever, bottom inlet and overflow seal and cover As 'Shires' PENANG or approved equivalent	16	NO		
	<u>Wash hand basins</u>				
B	An elegantly sityled viterous China semi-mounted washbasin wash hand basin with single taphole and of size 550mm 435mm in approved colour complete with Aztec monoblock basin mixer 32mm dia pop up waste chrome outlet 20mm chorme plated bottle trap as 'Shires' 'ACCORD' or approved equivalent	16	NO		
	<u>Kitchen sink Inset type</u>				
C	Double bowl single drainer(SB SD) stainless steel sink size 1300x500mm bowl size 370xx340 x 15mm complete with overflow, waste fittings, plugs chain stays abd 40mm diameter plastic bottle trap with 75mm deep seal complete with a chrome plasted sink mixer. Sink shall be as ASL	2	NO		
	<u>Toilet roll holder</u>				
D	Toilet roll holder in vitreous china and approved colour	16	NO		
	<u>Urinal bowls</u>				
E	Pair of urinal bowls in glazed china comprising bowl supports, 40mm outlet grating, 9 litre automatic flush cistern and fittings, flush pipe and chromium plated spreaders, 40mm bottle trap and division	2	NO		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Robe Hook</u>				
A	Hollow cast Double Robe hook in vitreous china and in white colour mounted concealed screw to wall wedges as Shires (989) or approved euivalnet	16	NO		
	<u>Sponge tray</u>				
B	Soap and sponge tray in approved colour	8	NO		
C	Polished plate glass silver backed mirror with edges size 610x497mm plugged and screwed to wall with domed capped chrome plated screws and form back rest	16	NO		
	<u>Enclosure</u>				
	<u>Shower enclosure comprising he follwing:</u>				
D	915mmx915mm free standing heavy duty shower tray complete with anti-slip resistance base stainless steel grid waste fitting wooden frame and adjustable feet complete with 40mm waste and tram As 'Shires' ARAM on or approved equivalent	4	NO		
E	Shower fitting as 'Bricon' wall type with concealed riser pipe canna handle and adjustable shower rose	4	NO		
	<u>Towel rail</u>				
F	Towel rail 20mm diameter x900mm long approved towel tolle chrome plugged and screwed into the wall	4	NO		
	<u>Soap dispenser</u>				
G	Soap dispenser capacity 1,136 litres complete with plastic plugs fixing screws, lock and key complete with intial cap gel The soap dispenser to be as ZALPON'S model size 125x100x290mm high or approved or equivalent	8	NO		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p><u>Hand drier</u></p> <p>Plastic hand drier, operating an automatic infrared plastic sensing system with safety cut complete with plastic raw plug and fixing screws. The hand drier to a heating capacity of 2.1 kw performed flow rate 3.82mm/ Minute a Wands worth bunnier Model KDZ or approved or equivalent</p>	8	NO		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>INTERNAL PLUMBING</u>				
	<u>Supply, deliver and instal the following PPR pipewok and fittings Bidders must allow in their pipework prices for all the male/plastic adaptors socket bends PP-R pipes</u>				
A	20mm diameter	36	LM		
B	25mm dia	70	LM		
C	32mm ditto	42	LM		
D	45mm ditto	45	LM		
	<u>Extra over PP-R pipework for the following bends</u>				
E	20mm dia threaded ben	27	NO		
F	20mm dia bend	50	NO		
G	25mm ditto	9	NO		
H	32mm ditto	22	NO		
	<u>Tees</u>				
J	32mm dia tee	11	NO		
K	32x25mm reduced tee	22	NO		
L	25x20mm reduced tee	20	NO		
M	32x34 male threaded tee	11	NO		
N	25x34' male threaded tee	20	NO		
	<u>Sockets</u>				
P	25x12 male threaded tee	30	NO		
Q	20mm dia sockets	10	NO		
R	25mm ditto	5	NO		
S	32mm dia sockets	5	NO		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Unions				
A	25mm dia unions	22	NO		
B	25mm ditto	18	NO		
C	32mm ditto	23	NO		
D	40mm ditto	10	NO		
	<u>Transition fittings</u>				
E	20x12 round male transition piece	15	NO		
F	25x34' threaded male joint	3	NO		
G	20x12 ditto	15	NO		
	<u>Gate Valves</u>				
H	20mm diameter 'Pegler' gate valve	3	NO		
J	25mm ditto	3	NO		
K	25mm ditto	2	NO		
	<u>Ball valves</u>				
L	20mm ditto	0	NO		
	<u>Flexible connections</u>				
M	15mm diameter flexible connections	32	NO		
	<u>Roof tanks</u>				
N	920 litres (200 gallons) water tanks each of dia 1300mm and height 1530mm As 'Roto' or approved equivalent	0	NO		
	<u>Heaters</u>				
P	Instantaneous shower heaters	4	NO		
Q	7.5 litres Undersink water heaters	2	NO		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>INTERNAL DRAINAGE</u>				
	Supply deliver and install the following UPVC and muPVC soil and waste pipe work bidders must allow in their pipes for all various sizes of connectors adaptors etc required for the satisfaction functioning of the drainage system				
	Upvc and muPVC pipes				
A	100mm diameter heavy duty golden brown pipe class 'D	30	LM		
B	100mm diameter heavy duty UPVC grey pipe class 'D	36	LM		
C	50mm ditto	28	LM		
D	45mm ditto	10	LM		
E	32mm ditto	16	LM		
	<u>Extra over uPVC and muPVC pipework for the following:-</u>				
F	100mm dia WC connectors	6	NO		
G	100mm dia single branch	4	NO		
H	100mm dia vent cowl and weathering state/apron	3	NO		
J	100mmx50mm dia boss connection	7	NO		
K	100x50mm dia floor trap	10	NO		
L	100mm dia long radius bend	3	NO		
M	100mm dia short radius bend	4	NO		
N	100mm dia gully trap c/w cover and grating	3	NO		
P	32mm dia bends	17	NO		
Q	40mm dia bends	8	NO		
R	32mm dia sweeo tee	5	NO		
S	40mm dito	3	NO		
T	50mm ditto	4	NO		
U	32mm dia access caps	6	NO		
V	40mm ditto	3	NO		
W	100mm ditto	6	NO		
X	50x40mm reducer	4	NO		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>FIRE PROTECTION SERVICES</u>				
	Supply deliver and install the folliwng fire fighting equipment				
	<u>Water/CO. Extiguisher</u>				
A	9 litre water/CO gas portable fire extinguisher complete with car washer suphon tube CO ₂ cartridge and flexible rubber hose nozzle full charged	5	NO		
	<u>CO Gas, Fine Extinguisher</u>				
B	5KG dry CO ₂ gas portable extinguisher complete with squeeze grip operating head and discharg nozzle fully charged	5	NO		
	<u>Manual Bell</u>				
C	9" (225mm) all imported manual bell	5	NO		
	TOTAL FOR FIRE FIGHTING EQUIPMENTS CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p><u>Testing and commissioning</u></p> <p>Testing and commissioning of the internal drainage installation to the satisfaction of the Engineer</p> <p style="text-align: right;">Total carried to collection</p> <p><u>COLLECTION</u></p> <p>Brought forward from page C/H/196</p> <p>Brought forward from page C/H/197</p> <p>Brought forward from page C/H/198</p> <p>Brought forward from page C/H/199</p> <p>Brought forward from page C/H/200</p> <p>Brought forward from page C/H/201</p> <p>Brought forward from page C/H/202</p> <p>Brought forward from page C/H/203</p>		ITEM		
	<p>TOTAL FOR INTERNAL PLUMBING, DRAINAGE AND FFA CARRIED TO SUMMARY</p>				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO. 11				
	Schedule No. 3 Electrical Installation – 1st Floor to 4th Floor				
1.00	Supply, install, test and commission the following :				
1.01	Lighting points wired in 3 x 1.5 sq mm sc PVC copper cables drawn in 20mm diameter HG PVC conduits concealed in building fabric including all accessories but without lighting switches and fittings for: -				
	a) One way switching	NO	240		
	b) Two way switching	NO	64		
1.02	5A white moulded lighting switches as MK or approved equivalent:-				
	a) One gang one way	NO	32		
	b) One gang two way	NO	16		
	c) Two gang two way	NO	12		
	d). water proof, One gang two way	NO	6		
	e). Intermediate	NO	8		
1.03	Lighting fittings complete with appropriate rated LED lamps as follows: -				
	a) 1200mm, 1X15 W LED lighting fitting with opal diffuser for surface mounting as Phillips or approved equivalent	NO	54		
	b) 1200mm, 1X15 W LED lighting fitting with aluminium louvers for surface mounting as Phillips or approved equivalent	No.	26		
	b) 600mm 1x15 W bare batten LED lighting fitting as Phillips or its equal and approved equivalent	NO	12		
	c) 1200mm, 1X15 W, corrosion and water resistant LED lighting fitting with clear diffuser for surface mounting as Phillips or approved equivalent	NO	8		
	d) 600mm, 1X15 W, water resistant LED lighting fitting with clear diffuser for surface mounting as Phillips or approved equivalent	NO	26		
	e). Emergency exit signs fitted with 8W LED lamps as Menvier or its equal and approved equivalent	NO	48		
	h) 1200mm, 1x15 W heat proof LED lighting fitting as Phillips or its equal and approved equivalent	No.	4		
	Sub total for upper floor Carried Forward to next page				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Sub-total Brought Forward from previous page				
	i)Downlighters	No.	80		
1.04	Power point wired in 3 x 2.5 sq mm sc PVC copper cables drawn in 25mm diameter HG PVC conduits concealed in building fabric including all accessories	NO	96		
1.05	13A twin switched socket outlet plate ivory type as MK or approved equivalent	NO	96		
1.06	8- way TPN Distribution Board complete with a 100A integral isolator as CRABTREE or approved equivalent	NO	3		
1.07	MCBs as Crabtree or approved equivalent:-				
	a) 5A	NO	33		
	b) 30A	NO	8		
1.08	Telephone point complete with outlet plate in 20mm PVC conduit as Crabtree or its approved equivalent	NO	96		
	CCTV point complete with outlet plate in 20mm PVC conduit as Crabtree	No.	26		
1.09	Cooker circuit wired in 3 x 6 sq mm sc PVC copper cables drawn in concealed 25mm diameter HG PVC conduits	ITEM	2		
1.10	45 A cooker control unit as Crabtree or approved equivalent complete with cooker connection unit.	NO	2		
1.11	Machine circuit wired in 5 x 6 sq mm sc PVC copper cables drawn in concealed 38mm diameter HG PVC conduits	Item	8		
1.12	Air conditioning circuit wired in 5 x 6 sq mm SC PVC copper cables drawn in concealed 50 mm diameter HG PVC conduits	Item	8		
1.13	30 A TPN isolator for connecting item No. 1.15 as MEM or approved equivalent	NO	8		
1.14	Sub mains wired in 5 x 16sq mm SC PVC copper cables drawn in concealed 50 mm diameter HG PVC conduits	M	150		
	Total for 1st to 4th floor Carried Forward to Summary page				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUMMARY FOR 1ST, 2ND, 3RD & 4TH FLOORS				
1	Total from page C/H//174 RC Frame				
2	Total from page C/H175 Walling				
3	Total from page C/H/179 Doors				
4	Total from page C/H/182 Windows				
5	Total from page C/H/184 External finishes				
6	Total from page C/H/189 Internal finishes				
7	Total from page C/H/190 Balustrades and Railing				
8	Total from page C/H/194 Painting and Decorating				
9	Total from page C/H/195 Joinery fixtures				
10	Total from page C/H/203 Internal plumbing, drainage and FFA				
11	Total from page C/H/205 Electrical installation				
	TOTAL FOR TYPICAL FLOOR				
	MULTIPLY BY THREE (4)				X4
	TOTAL FOR 1ST, 2ND,3RD & 4TH FLOORS CARRIED TO MAIN SUMMARY				

PROPOSED CONSTRUCTION OF NAKURU COUNTY HEADQUARTERS**5TH FLOOR**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 01</u>				
	<u>REINFORCED CONCRETE FRAME</u>				
	Vibrated reinforced concrete (1:1:2) Class 30/20mm in:				
A	Beams	75	Cm		
B	Gutter beam 150mm thick	70	Cm		
C	Columns	48	Cm		
D	Suspended slabs, thickness 150mm	1443	Sm		
E	Shaft walls thickness 200mm	125	Sm		
F	150x200mm thick kerb	246	Lm		
	<u>Reinforcement (all provisional)</u>				
	Deformed bars as described in:				
G	8mm diameter bars in beams	3160	Kgs		
H	16mm ditto anti-crack in beams	4860	Kgs		
J	20mm ditto in beams	11995	Kgs		
K	8mm ditto; in column	1429	Kgs		
L	16mm ditto;	1544	Kgs		
M	20mm ditto;	7600	Kgs		
N	8mm ditto in gutter beam	4194	Kgs		
P	10mm ditto	8621	Kgs		
Q	16mm ditto	1935	Kgs		
R	20mm ditto	3026	Kgs		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Rebars cont'd</u>				
A	10mm in suspended floor slab	38500	Kgs		
B	12mm ditto in Kerb	1033	Kgs		
C	12mm diameter in shaft wall	1240	Kgs		
	<u>Sawn formwork to:</u>				
D	Sides of soffits of beams	893	Sm		
E	Sides and soffits of gutter beams	828	Sm		
F	Sides of columns	485	Sm		
G	Ditto curved 150mm radii	7	Sm		
H	Sides of Shaft walls	253	Sm		
J	Soffites of suspended slabs	1443	Sm		
K	Sides and soffites of kerb	94	Sm		
L	Edges of ditto 150-225mm wide	246	Lm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>STAIRCASES 3 NO.</u>				
	<u>Insitu concrete (1:1:2) reinforced</u>				
	<u>Normal class 30/20mm vibrated</u>				
A	Stairs	7	Cm		
B	150mm thick landing	11	SM		
C	Stair beam	1	CM		
	Bars: Ribbedsteel: cold worked: including bends, hooks tying wire, distance block and spacers (provisional)				
D	Various	1200	KG		
	<u>Sawn formwork to:</u>				
E	Sloping soffits of stairs	23	SM		
F	Horizontal soffits of landings	11	SM		
G	Ditto edge of landing 150-225mm	32	LM		
H	Face of riser girth over 75mm - 150mm high	66	LM		
J	Sides and soffites of beam	13	SM		
K	Open string of staircase 335mm external height including cutting to profile of treads amd riser	36	LM		
	Carried to collection below				
	<u>Collection</u>				
	Brought forward from page 207				
	Brought forward from page 208				
	Brought forward from page 209				
	Total element 01 carried to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 02</u>				
	<u>WALLING</u>				
	<u>External walls</u>				
A	200mm thick natural stone walling; medium chiseled dressed; bedded and jointed in cement and (1:3) mortar	578	Sm		
B	200mm thick precast concrete louvre block walling jointed and bedded in cement mortar (1:4)	87	sm		
	<u>Internal walls</u>				
	Approved load bearing machine dressed "Thika" natural stone walling bedded and jointed in cement sand (1:3) mortar with 20mm wide hoop irons in every alternate course				
C	200mm thick walling	1203	Sm		
D	150mm thick ditto	0	Sm		
E	100mm thick ditto	141	Sm		
F	200mm thick dwarf wall	95	Sm		
G	400mm thick wall	105	Sm		
H	200mm thick ramp wall	46	Sm		
	<u>Aluminium partition walling</u>				
J	Powder coated anodised aluminium partition walling comprising 100 x 50mm extruded aluminium frame sections at 900mm vertical centers and 1050mm horizontal centres; panell infilled with and including 6mm clear sheet glass; 1650mm high overall	24	Lm		
	Total element 02 walling to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 03				
	DOORS				
	Mild steel				
A	Double grilled door comprising 50 x 50 x 3mm rolled hollow section frame all round in filled with 30 x 30 x 2mm thick RHS vertical baluster 150mm center and similar horizontal member at 200mm centers in a straggered configuration overall size 1800 x 2400mm high	6	No		
B	Ditto single leaf size 900 x 2400mm high	0	No		
C	Mild steel pannel double door overall size 1800x2400mm high in 2No. equal leaves each leaf comprising of 6 No size 300x800mm high 10mm thick glass panels including 1200x200mm and 1200x300high double plate complete with 100x50x3mm RHS framing and metal lugs including purpose made hanging and locking accessories once primer before delivery to the site.	0	No		
D	Ditto size 1500 x 2400mm high	0	No		
E	Ditto single leaf size 900x1500mm high	0	No		
F	Ditto size 900x2400mm high	3	No		
	Aluminium Doors				
G	Aluminium sections 2mm thick 50 x 50mm extrusions in top bottom and stiles and 100 x 50mm middle rail resulting bottom panel infilled with 25mm thick blockboard laminate faced both sides and top panel left open for glazing (m/s) in door overall size 900 x 3050mm high comprising 900 x 950mm high top fanlight and 900 x 2100mm openable leaf complete with and including locking devices	4	No		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Timber doors				
A	50mm thick double paneled door overall size 1500 x 2400mm high all in solid mahogany in two equal leaves each leaf comprising 150mm top rail and stiles 200mm middle and bottom rail resulting both panels instilled with bevel raised and fielded panels	6	No		
	HDF Mahogany veneered timber door				
B	45mm thick moulded panel door single swing as supplied by BG Bison or other equal approved overall size 900 x 2400mm high with 950mm top fanlight	42	No		
C	45mm thick double door ditto size 1200x2400mm high	4	No		
	Flush doors				
D	45mm thick semi solid cored flush door in 2No. Equal leaves hardwood lipped size 900 x 2850mm high faced both sides with interior quality veneer facing both sides with 900 x 750 high glazed fanlight at top	4	No		
E	Size 900 x 2100mm ditto	8	No		
F	Ditto 1300 x 2100mm high double leaf	4	No		
	The following in wrot mahogany				
G	200 x 50mm thick door frame with one labour plugged	38	Lm		
H	200 x 50mm transome, 2 labours	9	Lm		
J	150x50mm thick frame with one labour plugged	263	Lm		
K	150x50mm transome, 2 labours	43	Lm		
L	100 x 50mm frame one labours plugging	73	Lm		
M	100x50mm Transome, 2 labours	4	Lm		
N	40 x 15mm architrave with one labour	373	Lm		
P	25mm quadrant	373	Lm		
Q	25 x 25mm glazing beads	148	Lm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	4mm thick clear sheet glass to wood:				
A	Panes 0.5 to 1.00 square meters	3	Sm		
B	Panes 0.1to 0.5 square metres	16	Sm		
	<u>4mm thick clear sheet to metal with glazing compound</u>				
C	Panes 0.5 to 1.00 square metres	0	Sm		
	Ironmongery				
	Supply and fix the following ironmongery as "union" or other equal and approved to wood with matching screws				
D	Cylinder Bathroom lock set with turn handle and rose in satin anodized aluminium set of lever furniture Ref. Toucan DS-051	16	No		
E	Double cylinder lock set with handle on plate complete with lever furniture ditto. Ref. Elegance LS-C85-306 SN	42	No		
F	5 lever Deadlock to steel door	6	No		
G	Rebated Double cylinder lock set for double door with satin anodized aluminium set of lever furniture Ref. Elegance LS-C85-306 SN	4	No		
H	100mm stainless steel bearing butt hinges Ref. BB-403030-SS	30	Prs		
J	100mm brass parliament butt hinges Ref. P-404040-SS	75.5	Prs		
K	Steel door lock	0	NO		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Door closer as Union Ref. 8834	4	No		
B	38mm diameter rubber door stopper plugged to floor	70	No		
C	150mm long lever action flush bolt Ref. No U8052	8	No		
Total carried to collection					
<u>COLLECTION</u>					
Brought forward from page C/H//211					
Brought forward from page C/H//212					
Brought forward from page C/H//213					
Brought forward from page C/H//214					
Total element o3 carried to summary					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>ELEMENT 04</p> <p>WINDOWS</p> <p>Fine chiseled "Blue Njiru" stone walling in cement mortar</p> <p>A 150 x 22mm cill, bedded and jointed in cement and sand 1:1 and pointed in coloured cement mortar</p> <p>Supply and fix double Artisan wrought metal curtain rods from "Challenge Engineering" or other equal and approved comprising of 25mm diameter wrought iron front 16mm diameter rear rail complete with fixing brackets, curtain holding rings and decorative end stops and all necessary paintwork</p> <p>B Curtain rods</p>	185	Lm		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Casement - External</u>				
	Supply, assemble and fix the following purpose-made mild steel <u>TOP HUNG OUTWARD OPENABLE</u> windows casement complete with all opening accessories, 50 x 50mm thick frame units; including "snap on" 30mm wide permanent vent; building in lugs to jambs; plugging and screwing head and cill; bedding frames in waterproof cement mortar and pointing in approved mastic externally; fixing 4mm thick reflective glass m.s oiling, easing and adjusting as described in the following overall sizes				
A	2100 x 1500mm high	58	No		
B	2100 x 900mm high	2	No		
C	1600 x 1500mm high	4	No		
D	1500x1500mm high	2	No		
E	1800x1500mm high	0	No		
F	1500x900mm high	2	NO		
	Glazing				
G	4mm thick Reflective sheet glass and glazing in panes 0.1-1.0sm with putty compound	197	Sm		
H	Ditto; obscured glass	7	Sm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Casement - Internal				
	Supply, assemble and fix the following purpose-made mild steel <u>Top Hung Outward Opening</u> windows casement complete with all opening accessories, 50 x 50mm thick frame units; including "snap on" 30mm wide permanent vent; building in ligs to jambs; plugging and screwing head and cill; bedding frames in waterproof cement mortar and pointing in approved mastic externally; fixing 6mm thick reflective glass m.s oiling, easing and adjusting as described in the following overall sizes				
A	2100 x 1500mm high	8	No		
	Glazing				
B	4mm thick reflective sheet glass and glazing in panes 0.1-1.0sm with Putty compound	25	Sm		
C	Ditto; obscured glass	0	Sm		
	Total carried to collection				
	COLLECTION				
	Brought forward from page C/H/215				
	Brought forward from page C/H/216				
	Brought forward from page C/H/217				
	Total element 04 windows to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 05</u>				
	EXTERNAL FINISHES				
	Wall Finishes				
A	Extra over natural stone walling for neat flush horizontal and vertical joints in coloured cement mortar	469	Sm		
	Cement and sand (1:4)				
B	15mm thick cement sand (1:4) render to columns	78	Sm		
C	Ditto beam	148	Sm		
D	Ditto wall facade surfaces	158	Sm		
E	Ditto sides of gutter beam fascia	294	Sm		
F	Ditto sides and soffites of kerb	142	Sm		
G	Screeding to receive wall finish	578	SM		
	<u>Cement lime plaster: 15mm thick (1:2:9)</u>				
H	Plaster to soffites of gutter	325	Sm		
	<u>Rough and Tough wall finish</u>				
J	Prepare and apply rough and touch exterior wall finish as "Crown paints" or equivalent and to approved colour	821	Sm		
	<u>Hand scratched burnt clay</u>				
K	250x75x35mm thick brick facing in cement mortar	578	SM		
	Mazerah cladding				
L	200x200x20mm thick cladding fixed with cement and sand (1:2) mortar	0	SM		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Roof finishes				
A	Form groove in concrete for edge of felt roofing and grout in cement sand mortar (1:4) including forming bell mouth joint	723	Lm		
	<u>Supply and fit APP water proofing membrane (m/s) as Italbuild Ltd laid strictly in accordance with manufacturer's printed instructions</u>				
B	Gutter cover laid to fall and cross fall on sceed	199	Sm		
C	725mm high with top edge dressed into groove (m/s) and bottom edge jointed to felt	361	Sm		
D	Dress felt around 100mm rain water outlet	40	No		
	<u>Light weight roof screeds consisting of cement, sand and pumice (1:3:7) with 6mm layer of cement and sand topping laid to falls and crossfalls.</u>				
E	25mm screed on concrete to receive felt roofing sloping < 45 degrees from horizontal	199	Sm		
F	15mm ditto to sides of gutter beam	361	Sm		
G	50 x 50mm triangular fillet	723	Lm		
H	Work screed around 100mm rainwater outlet	40	No		
	Precast concrete class 20/12mm fair faced finished smooth				
J	250x50mm capping sunk weathered both surfaces ad twice throated bedded and jointed in cement mortar (1:3)	381	Lm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p><u>Curtain walling</u></p> <p>Curtain walling in mild steel comprising main 75x50x4mm thick extruded rolled hollow section (RHS) frame section at 800mm vertical general spacing and 700 horizontal centres resulting panels infilled with 5mm thick toughened glass and glazing with putty on 25mm 'T' sections 300mm wide and 600mm high</p> <p>Carried to collection</p> <p>COLLECTION</p> <p>Brought forward from page C/H/218</p> <p>Brought forward from page C/H/219</p> <p>Brought forward from page C/H/220</p>	234	SM		
Total element 05 external finishes carried to summary					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 06				
	INTERNAL FINISHES				
	<u>FLOOR FINISHES</u>				
	Cement and sand (1:4) screed				
A	Screed backing under floors finished with wood float, thickness 32mm to receive ceramic tiles (m/s)	84	Sm		
B	Ditto 20mm thick to floor to receive terrazzo (m/s)	1359	Sm		
	Floor tiles				
C	330 x 330 x 8mm thick ceramic tiles as manufactured by "Flamingo Tiles" or other approved non-slip tiles fixed with approved adhesive in approved	84	Sm		
D	100mm high ditto skirting	0	Lm		
	Polished white cement based terrazo				
E	20mm thick paving to floor polished smooth complete with and including 40x4mm thick white plastic divindings strips	1359	Sm		
F	20x100mm high skirting rounded top edge and cored junction with floor	1255	Lm		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	WALL FINISHES				
	Cement and sand (1:4) screed				
A	Screed backing to wall wood floated thickness 15mm	360	Sm		
	Coloured glazed ceramic wall tiles and fittings (cloakrooms)				
B	200 x 300 x 8mm as manufactured by "Flamingo Tiles" or other approved coloured tiles bedded and jointed in cement and sand 1:1 and pointed in coloured cement grouting	343	Sm		
	<u>Granito to wall & tiles bedding and jointing in cement sand (1:3) mortar and flush pointed with white cement grout</u>				
C	300x300x6mm thick tiles (lift shaft)	17	Sm		
	Cement Lime plaster; 15mm thick (1:2:9)				
D	Plaster to wall surfaces	2561	Sm		
E	Ditto concrete surfaces	784	Sm		
	CEILING FINISHES				
F	Suspended acoustic boards suspended to steel truss complete with corner panel suspensions, and flush jointing 12mm thickness in 600x600mm wide panels	0	Sm		
G	Extra over for forming trap door size 600 x 600mm	3	No		
H	100 x 25mm decorative gypsum cornice	1331	Lm		
	<u>Cement lime plaster, 15mm thick (1:2:9)</u>				
J	Ditto to soffits of suspended slabs	1649	Sm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>COLLECTION</p> <p>Brought forward from page C/H/221</p> <p>Brought forward from page C/H/222</p>				
	Total element 06 internal finishes to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.7</u>				
	<u>ROOF CONSTRUCTION, COVERING AND RAIN WATER DISPOSAL</u>				
	<u>Roof covering</u>				
A	Gauge 28 resincot LT5 box troughed mildsteel iron roofing sheet covering nailed to timber purlins at 1350mm centres laid to slope not exceeding 25 degrees	1450	Sm		
B	Translucent polycarbonic sky light roof covering to atrium	0	Sm		
C	Extra over for raking cutting	277	Lm		
	<u>Accessories, fixing as necessary to roof covering</u>				
D	Standard barrel half round ridge tile to match; 333mm girth ridge cap; and fixing to position	110	Lm		
E	Ditto hip cap	77	Lm		
F	Extra for stone coat box barge cover 333mm girth	0	Lm		
G	Ditto stone coat valley strip ditto	42	Lm		
H	Ditto stone coat side flashing ditto	278	Lm		
	Carried to collection				

ITEM	DESCRIPTION				QTY	UNIT	RATE	AMOUNT
	<u>All the following structural timber shall be sawn second grade treated cypress with 9-15% M.C.</u>							
A	100 x 75mm wall plate				538	Lm		
B	75 x 50mm purlins				1537	Lm		
C	150 x 50mm ditto				280	Lm		
	<u>Trusses</u>							
Type	No off	Pitch	Span (mm)	Rise (mm)				
T1	65	Double	12000	1608				
T2	12	Mono	8485	1608				
T3	7	Double	5200	697				
T4	4	Mono	3677	697				
	<u>The following in Trusses with nailed connections including templates fillets, straps, splices and hoisting approx 15.0metres above ground level</u>							
D	150 x 50mm rafters				964	Lm		
E	150 x 50mm joists				933	Lm		
F	100 x 50mm ties and struts				1173	Lm		
G	100x50mm king post				132	Lm		
H	100 x 50mm collar splice plate				427	Lm		
	Total to collection							

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Other members</u>				
A	150 x 50mm valley rafters	84	Lm		
B	150 x 50mm hip rafters	77	Lm		
C	150 x 50mm common rafters	567	Lm		
D	200 x 25mm ridge board	110	Lm		
	Anchor bolts				
E	12mm x 50 x 2mm diameter "J" bolts, 400mm long with head nut and washers cast into concrete	600	No		
	<u>The following in wrot cypress</u>				
F	200 x 25mm thick fascia	0	Lm		
G	25 x 100mm tongue & grooved boarding secret nailed to and including 50 x 50mm calcured wrot cypress bearers or brandering at 600mm centres	194	Sm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Rainwater disposal</u>				
	<u>24g galvanized mild steel sheeting</u>				
A	Raking flashing overall 400mm girth top and turned and wedged into and including 50 x 50mm mortice in stone or concrete and rin in with cement and sand (1:3) mortar and bottom edge dressed over roofing	12	Lm		
B	Ditto horizontal	59	Lm		
	<u>26g galvanized mild steel sheeting; all welds ground smooth</u>				
C	200 x 200mm box gutter including soldered joints in the running length fixed to fascia board with and including brackets at approved centers	0	Lm		
D	Extra ; for blocked ends with 75mm dia. Outlet 100mm long	0	No		
E	100mm Diameter fulbora outlet	40	No		
A	100mm diameter 22 gauge galvanized metal rain water downpipe fixed to wall with holder bats at 900mm centres	480	Lm		
B	Extra over downpipe for swan neck projecting 600mm	40	No		
C	Ditto shoe	40	No		
	Galvanised mild steel sheet 22 gauge				
D	1000mm girth lining to slopping gutters with 200mm laps comprising 150 x 200mm gutter and 200mm integral flashing each side	42	Lm		
	Carried to collection below				
	Collection				
	Brought forward page C/H/224				
	Brought forward page C/H/225				
	Brought forward page C/H/226				
	Brought forward page C/H/227 above				
	Total element 07 roof construction to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 08				
	BALUSTRADING & RAILINGS				
	Wrot mahogany				
A	100 x 50mm hand rail	17	Lm		
	3mm thick mild steel circular hollow extrusion tubes				
	Composite balustrading comprising 50mm diameter x 3mm thick top rail welded onto 25mm x 3mm secondary baluster 200mm long at 450mm long; 50mm diameter primary baluster at 900mm centres and 30mm diameter x 2mm horizontal braces at 250mm centres to detail including grinding welds smooth fixing to concrete plinth and kerb and end to walling				
B	Staircase railing horizontal 1250mm high	4	Lm		
C	Ramp railing horizontal 1250mm high	3	Lm		
D	Ramp railing raking 1250mm high	10	Lm		
E	Passage Balustrades railing horizontal 1250mm high	0	Lm		
	Total element 08 to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 09				
	PAINTING & DECORATING				
	ROOF				
	Touch up primer and apply one undercoat and two finishing coats of 1st quality supergloss paint to:				
A	General surfaces of roof steel work	0	Kg		
B	General surfaces of 100mm diameter down pipe girth over 300mm	151	Sm		
	WINDOWS				
	Prepare and supply two undercoasts stainer and two finishing coats of vanish to:-				
C	Surfaces exceeding 100 but not exceeding 200mm girth window cill	185	Lm		
	Touch up primer and apply one undercoat and two finishing coats of 1st quality supergloss paint to:-				
D	Metal Casement surface girth over 300mm internally	25	Sm		
E	Ditto Externally	204	sm		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	DOOR				
	Prepare and apply two undercoats stainer and two finishing coats of vanish to:-				
A	General surfaces of doors	225	Sm		
B	Surfaces not exceeding 100mm girth	801	Lm		
C	Surfaces exceeding 200 but n.e. 300mm girth	355	Lm		
	Prepare and apply one undercoat and two finishing coats of gloss oil paint to:				
D	General surfaces of doors both side measured	52	Sm		
E	Surfaces not exceeding 100mm girth	93	LM		
F	Surfaces exceeding 100 but not exceeding 200mm girth	77	Lm		
	Touch up primer and apply one undercoats and two finishing coats of 1st quality supergloss paint to:				
G	General surfaces of metal (b.s.m.)	65	Sm		
	EXTERNAL FINISHES				
	Prepare and apply 3 No. coats matt vinyl exterior wall finish as paint to:				
H	General rendered surfaces externally	821	Sm		
J	Louvre block walling	87	Sm		
K	Soffites of gutter beam	325	Sm		
	Prepare and apply 1 No coats stainer and 2 No. finishing coats of varnish to:				
L	General surfaces of mazerah tiling	0	SM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	INTERNAL FINISHES				
	Prepare and apply one undercoat and two finishing coats of 1st quality silk vinyl paint to:-				
A	General plastered surfaces of walls	2561	Sm		
B	General plastered surfaces of horizontal suspended soffits	1649	Sm		
C	General plastered concrete surfaces	784	Sm		
D	General surfaces of louvered block walling	87	Sm		
E	Surfaces not exceeding 100mm girth of cornice	1331	Lm		
	Prepare and apply one undercoat and two finishing coats of vinyl silk plastic emulsion				
F	Stair beams	13	Sm		
G	Sloping soffits of stairs	23	Sm		
H	Horizontal soffit of landing	11	Sm		
	<u>Prepare and apply one undercoat and two finishing coats of vinyl silk plastic emulsion</u>				
J	Ramp Beams	0	SM		
K	Sloping and horizontal soffits of ramp	0	SM		
L	Raking edges of ramp	0	SM		
	JOINERY FIXTURES				
	Prepare and apply two undercoats stainer and two finishing coats of vanish to:-				
M	General surfaces of timbers	194	Sm		
N	Surfaces not exceeding 100mm girth	180	Lm		
P	Surfaces exceeding 100 but not exceeding 200mm girth	0	Lm		
	Total collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Metal work				
	Touch up primer and apply one undercoat and two finishing coats of 1st quality supergloss paint paint to:-				
A	General surfaces of ramp balustrading	43	sm		
B	Ditto grilled surfaces (b.s.m)	0	Sm		
	Prepare and apply two undercoats stainer and two finishing coats of varnish to:-				
C	Surfaces of rails exceeding 200mm but not exceeding 300mm girth	17	Lm		
	Total carried to collection below				
	<u>COLLECTION</u>				
	Brought forward from page C/H/229				
	Brought forward from page C/H/230				
	Brought forward from page C/H/231				
	Brought forward from page C/H/232				
	Total element 09 to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p>ELEMENT NO. 10</p> <p>JOINERY FIXTURES</p> <p>Provide a sum of Kenya shillings Three million (Kshs.3,000,000.00)</p>		SUM		
	Total element 10 to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>ELEMENT NO. 11</p> <p><u>PLUMBING AND DRAINAGE</u></p> <p><u>Supply deliver install the following sanitary fittings including all materials and jointing to supply waste/sor abd overflow pipes Shires product are specified only as an indication of quality equal and approved appliances may be supplied where trade names are mentioned the Ref: No. is intended only as a guide to the type an quality of fitting</u></p> <p><u>Water closet</u></p> <p>A Stylish economy close couples washdown vitreous China VVC suite in approved colour comprising WC bowl with horizontal outlet 9 litres cistern with fittings and chrome plated lever, bottom inlet and overflow seal and cover As 'Shires' PENANG or approved equivalent</p> <p><u>Wash hand basins</u></p> <p>B An elegantly sityled viterous China semi-mounted washbasin wash hand basin with single taphole and of size 550mm 435mm in approved colour complete with Aztec monoblock basin mixer 32mm dia pop up waste chrome outlet 20mm chorme plated bottle trap as 'Shires' 'ACCORD' or approved equivalent</p> <p><u>Kitchen sink Inset type</u></p> <p>C Double bowl single drainer(SB SD) stainless steel sink size 1300x500mm bowl size 370xx340 x 15mm complete with overflow, waste fittings, plugs chain stays abd 40mm diameter plastic bottle trap with 75mm deep seal complete with a chrome plasted sink mixer. Sink shall be as ASL</p> <p><u>Toilet roll holder</u></p> <p>D Toilet roll holder in vitreous china and approved colour</p> <p><u>Urinal bowls</u></p> <p>E Pair of urinal bowls in glazed china comprising bowl supports, 40mm outlet grating, 9 litre automatic flush cistern and fittings, flush pipe and chromium plated spreaders, 40mm bottle trap and division</p>	16	NO		
		16	NO		
		2	NO		
		16	NO		
		2	NO		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Robe Hook</u>				
A	Hollow cast Double Robe hook in vitreous china and in white colour mounted with concealed screw to wall wedges as Shires (989) or approved equivalent	16	NO		
	<u>Sponge tray</u>				
B	Soap and sponge tray in approved colour	8	NO		
C	Polished plate glass silver backed mirror with edges size 610x497mm plugged and screwed to wall with domed capped chrome plated screws and form back rest	16	NO		
	<u>Enclosure</u>				
	<u>Shower enclosure comprising the following:</u>				
D	915mmx915mm free standing heavy duty shower tray complete with anti-slip resistance base stainless steel grid waste fitting wooden frame and adjustable feet complete with 40mm waste and trap As 'Shires' ARAM or approved equivalent	4	NO		
E	Shower fitting as 'Bricon' wall type with concealed riser pipe canna handle and adjustable shower rose	4	NO		
	<u>Towel rail</u>				
F	Towel rail 20mm diameter x900mm long approved towel rail chrome plated and screwed into the wall	4	NO		
	<u>Soap dispenser</u>				
G	Soap dispenser capacity 1,136 litres complete with plastic plugs fixing screws, lock and key complete with initial cap gel The soap dispenser to be as ZALPON'S model size 125x100x290mm high or approved or equivalent	8	NO		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p><u>Hand drier</u></p> <p>Plastic hand drier, operating an automatic infrared plastic sensing system with safety cut complete with plastic raw plug and fixing screws. The hand drier to a heating capacity of 2.1 kw performed flow rate 3.82mm/ Minute a Wands worth bunnier Model KDZ or approved or equivalent</p>	8	NO		
Total carried to collection					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>INTERNAL PLUMBING</u>				
	<u>Supply, deliver and instal the following PPR pipework and fittings Bidders must allow in their pipework prices for all the male/plastic adaptors socket bends PP-R pipes</u>				
A	20mm diameter	36	LM		
B	25mm dia	70	LM		
C	32mm ditto	42	LM		
D	45mm ditto	45	LM		
	<u>Extra over PP-R pipework for the following bends</u>				
E	20mm dia threaded ben	27	NO		
F	20mm dia bend	50	NO		
G	25mm ditto	9	NO		
H	32mm ditto	22	NO		
	<u>Tees</u>				
J	32mm dia tee	11	NO		
K	32x25mm reduced tee	22	NO		
L	25x20mm reduced tee	20	NO		
M	32x34 male threaded tee	11	NO		
N	25x34' male threaded tee	20	NO		
	<u>Sockets</u>				
P	25x12 male threaded tee	30	NO		
Q	20mm dia sockets	10	NO		
R	25mm ditto	5	NO		
S	32mm dia sockets	5	NO		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Unions				
A	25mm dia unions	22	NO		
B	25mm ditto	18	NO		
C	32mm ditto	23	NO		
D	40mm ditto	10	NO		
	<u>Transition fittings</u>				
E	20x12 round male transition piece	15	NO		
F	25x34' threaded male joint	6	NO		
G	20x12 ditto	15	NO		
	<u>Gate Valves</u>				
H	20mm diameter 'Pegler' gate valve	6	NO		
J	25mm ditto	6	NO		
K	25mm ditto	4	NO		
	<u>Ball valves</u>				
L	20mm ditto	6	NO		
	<u>Flexible connections</u>				
M	15mm diameter flexible connections	32	NO		
	<u>Roof tanks</u>				
N	920 litres (200 gallons) water tanks each of dia 1300mm and height 1530mm As 'Roto' or approved equivalent	6	NO		
	<u>Heaters</u>				
P	Intantenus shower heaters	4	NO		
Q	7.5 litres Undersink water heaters	2	NO		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>INTERNAL DRAINAGE</u>				
	Supply deliver and install the following UPVC and muPVC soil and waste pipe work bidders must allow in their pipes for all various sizes of connectors adaptors etc required for the satisfaction functioning of the drainage system				
	Upvc and muPVC pipes				
A	100mm diameter heavy duty golden brown pipe class 'D	30	LM		
B	100mm diameter heavy duty UPVC grey pipe class 'D	36	LM		
C	50mm ditto	28	LM		
D	45mm ditto	10	LM		
E	32mm ditto	16	LM		
	<u>Extra over uPVC and muPVC pipework for the following:-</u>				
F	100mm dia WC connectors	6	NO		
G	100mm dia single branch	4	NO		
H	100mm dia vent cowl and weathering state/apron	3	NO		
J	100mmx50mm dia boss connection	7	NO		
K	100x50mm dia floor trap	10	NO		
L	100mm dia long radius bend	3	NO		
M	100mm dia short radius bend	4	NO		
N	100mm dia gully trap c/w cover and grating	3	NO		
P	32mm dia bends	17	NO		
Q	40mm dia bends	8	NO		
R	32mm dia sweep tee	5	NO		
S	40mm dito	3	NO		
T	50mm ditto	4	NO		
U	32mm dia access caps	6	NO		
V	40mm ditto	3	NO		
W	100mm ditto	6	NO		
X	50x40mm reducer	4	NO		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>FIRE PROTECTION SERVICES</u>				
	Supply deliver and install the folliwng fire fighting equipment				
	<u>Water/CO. Extiguisher</u>				
A	9 litre water/CO gas portable fire extinguisher complete with car washer suphon tube CO ₂ cartridge and flexible rubber hose nozzle full charged	5	NO		
	<u>CO Gas, Fine Extinguisher</u>				
B	5KG dry CO ₂ gas portable extinguisher complete with squeeze grip operating head and discharg nozzle fully charged	5	NO		
	<u>Manual Bell</u>				
C	9" (225mm) all imported manual bell	5	NO		
	TOTAL FOR FIRE FIGHTING EQUIPMENTS CARRIED FORWARD TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p><u>Testing and commissioning</u></p> <p>Testing and commissioning of the internal drainage installation to the satisfaction of the Engineer</p> <p style="text-align: right;">Total carried to collection</p> <p><u>COLLECTION</u></p> <p>Brought forward from page C/H/234</p> <p>Brought forward from page C/H/235</p> <p>Brought forward from page C/H/236</p> <p>Brought forward from page C/H/237</p> <p>Brought forward from page C/H/238</p> <p>Brought forward from page C/H/239</p> <p>Brought forward from page C/H/240</p> <p>Brought forward from page C/H/241</p>		ITEM		
	TOTAL FOR INTERNAL PLUMBING, DRAINAGE AND FFACARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT N. 12				
	<u>Schedule No. 4 Electrical Installation – 5th Floor</u>				
1.00	Supply, install, test and commission the following :				
1.01	Lighting points wired in 3 x 1.5 sq mm sc PVC copper cables drawn in 20mm diameter HG PVC conduits concealed in building fabric including all accessories but without lighting switches and fittings for: -				
	a) One way switching	NO	240		
	b) Two way switching	NO	64		
1.02	5A white moulded lighting switches as MK or approved equivalent:-				
	a) One gang one way	NO	32		
	b) One gang two way	NO	16		
	c) Two gang two way	NO	12		
	d). water proof, One gang two way	NO	6		
	e). Intermediate	NO	8		
1.03	Lighting fittings complete with appropriate rated LED lamps as follows: -				
	a) 1200mm, 1X15 W LED lighting fitting with opal diffuser for surface mounting as Phillips or approved equivalent	NO	54		
	b) 1200mm, 1X15 W LED lighting fitting with aluminium louvers for surface mounting as Phillips or approved equivalent	No.	26		
	b) 600mm 1x15 W bare batten LED lighting fitting as Phillips or its equal and approved equivalent	NO	12		
	c) 1200mm, 1X15 W, corrosion and water resistant LED lighting fitting with clear diffuser for surface mounting as Phillips or approved equivalent	NO	8		
	d) 600mm, 1X15 W, water resistant LED lighting fitting with clear diffuser for surface mounting as Phillips or approved equivalent	NO	26		
	e). Emergency exit signs fitted with 8W LED lamps as Menvier or its equal and approved equivalent	NO	48		
	h) 1200mm, 1x15 W heat proof LED lighting fitting as Phillips or its equal and approved equivalent	No.	4		
	Sub total for upper floor Carried Forward to next page				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Sub-total Brought Forward from previous page				
	i)Downlighters	No.	80		
1.04	Power point wired in 3 x 2.5 sq mm sc PVC copper cables drawn in 25mm diameter HG PVC conduits concealed in building fabric including all accessories	NO	96		
1.05	13A twin switched socket outlet plate ivory type as MK or approved equivalent	NO	96		
1.06	8- way TPN Distribution Board complete with a 100A integral isolator as CRABTREE or approved equivalent	NO	3		
1.07	MCBs as Crabtree or approved equivalent:-				
	a) 5A	NO	33		
	b) 30A	NO	8		
1.08	Telephone point complete with outlet plate in 20mm PVC conduit as Crabtree or its approved equivalent	NO	96		
	CCTV point complete with outlet plate in 20mm PVC conduit as Crabtree	No.	26		
1.09	Cooker circuit wired in 3 x 6 sq mm sc PVC copper cables drawn in concealed 25mm diameter HG PVC conduits	ITEM	2		
1.10	45 A cooker control unit as Crabtree or approved equivalent complete with cooker connection unit.	NO	2		
1.11	Machine circuit wired in 5 x 6 sq mm sc PVC copper cables drawn in concealed 38mm diameter HG PVC conduits	Item	8		
1.12	Air conditioning circuit wired in 5 x 6 sq mm SC PVC copper cables drawn in concealed 50 mm diameter HG PVC conduits	Item	8		
1.13	30 A TPN isolator for connecting item No. 1.15 as MEM or approved equivalent	NO	8		
1.14	Sub mains wired in 5 x 16sq mm SC PVC copper cables drawn in concealed 50 mm diameter HG PVC conduits	M	150		
	Total for 5th floor Carried to Summary page				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUMMARY FOR 5TH FLOOR				
1	Total from page C/H/209 RC Frame				
2	Total from page C/H/210 Walling				
3	Total from page C/H/214 Doors				
4	Total from page C/H/217 Windows				
5	Total from page C/H/220 External finishes				
6	Total from page C/H/223 Internal finishes				
7	Total from page C/H/227 Roofing				
8	Total from page C/H/238 Balustrades and Railing				
9	Total from page C/H/232 Painting and Decorating				
10	Total from page C/H/233 Joinery fixtures				
11	Total from page C/H/241 Internal plumbing and drainage				
12	Total from page C/H/243 Electrical installations				
	TOTAL FOR 5TH FLOOR CARRIED TO MAIN SUMMARY				

PROPOSED CONSTRUCTION OF NAKURU COUNTY HEADQUARTERS

ATTIC FLOOR

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 01</u>				
	<u>REINFORCED CONCRETE FRAME</u>				
	Vibrated reinforced concrete (1:1:2) Class 30/20mm in:				
A	Beams	18	Cm		
B	Gutter beam 150mm thick	15	Cm		
C	Columns	10	Cm		
D	Suspended slabs, thickness 150mm	195	Sm		
E	Suspended roof slabs thickness 150mm	109	Sm		
F	Shaft walls thickness 200mm	48	Sm		
G	150x200mm thick kerb	59	Lm		
	<u>Reinforcement (all provisional)</u>				
	Deformed bars as described in:				
H	8mm diameter bars in beams	522	Kgs		
J	12mm ditto anti-crack in beams	293	Kgs		
K	16mm diameter bars in beams	1304	Kgs		
L	8mm ditto; in columns	294	Kgs		
M	16mm ditto;	1377	Kgs		
N	20mm ditto;	0	Kgs		
P	8mm ditto in gutter beam	1772	Kgs		
Q	10mm ditto	3694	Kgs		
R	16mm ditto	932	Kgs		
S	20mm ditto	1141	Kgs		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	10mm in suspended slabs	6100	Kgs		
B	12mm ditto in Kerb	220	Kgs		
C	12mm diameter in shaft wall	800	Kgs		
	<u>Sawn formwork to:</u>				
D	Sides of soffits of beams	210	Sm		
E	Sides and soffits of gutter beams	159	Sm		
F	Sides of columns	106	Sm		
G	Ditto curved 150mm radii	7	Sm		
H	Sides of Shaft walls	66	Sm		
J	Soffites of suspended slabs	304	Sm		
K	Edges of ditto 150-225mm wide	119	Lm		
L	Sides and soffites of kerb	21	Sm		
	Carried to collection				
	<u>COLLECTION</u>				
	Brouhgt forward from page C/H/245				
	Brouhgt forward from page C/H/246				
	Total element No. 01 carried to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 02</u>				
	<u>WALLING</u>				
	<u>External walls</u>				
A	200mm thick natural stone walling; medium chiseled dressed; bedded and jointed in cement and (1:3) mortar	184	Sm		
B	200mm thick precast concrete louvre block walling jointed and bedded in cement mortar (1:4)	14	sm		
	<u>Internal walls</u>				
	Approved load bearing machine dressed "Thika" natural stone walling bedded and jointed in cement sand (1:3) mortar with 20mm wide hoop irons in every alternate course				
C	200mm thick walling	46	Sm		
D	100mm thick ditto	86	Sm		
E	200mm thick dwarf wall	3	Sm		
F	200mm thick ramp wall	40	Sm		
	Total element 02 walling to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 03				
	DOORS				
	Mild steel				
A	Double grilled door comprising 50 x 50 x 3mm rolled hollow section frame all round in filled with 30 x 30 x 2mm thick RHS vertical baluster 150mm center and similar horizontal member at 200mm centers in a straggered configuration overall size 1800 x 2400mm high	6	No		
B	Mild steel pannel double door overall size 900x2400mm high 50x50x3mm RHS framing and metal lugs including purpose made hanging and locking accessories once primer before delivery to the site.	3	No		
	Timber doors				
	HDF Mahogany veneered timber door				
C	45mm thick moulded panel door single swing as supplied by BG Bison or other equal approved overall size 900 x 2400mm high with 750mm top fanlight	2	No		
	Flush doors				
D	45mm thick semi solid cored flush door hardwood lipped size 900 x 2850mm high faced both sides with interior quality veneer facing both sides with 900 x 750 high glazed fanlight at top	3	No		
	The following in wrot mahogany				
E	100 x 50mm thick frame one labours plugging	31	Lm		
F	100x50mm Transome, 2 labours	5	Lm		
G	40 x 15mm architrave with one labour	33	Lm		
H	25mm quadrant	33	Lm		
J	25 x 25mm glazing beads	17	Lm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	4mm thick clear sheet glass to wood:				
A	Panes 0.5 to 1.00 square meters	4	Sm		
B	Panes 0.1to 0.5 square metres	0	Sm		
	<u>4mm thick clear sheet to metal with glazing compound</u>				
C	Panes 0.5 to 1.00 square metres	1	Sm		
	Ironmongery				
	Supply and fix the following ironmongery as "union" or other equal and approved to wood with matching screws				
D	Cylinder Bathroom lock set with turn handle and rose in satin anodized aluminium set of lever furniture Ref. Toucan DS-051	3	No		
E	Double cylinder lock set with handle on plate complete with lever furniture ditto. Ref. Elegance LS-C85-306 SN	2	No		
F	5 lever Deadlock to steel door	1	No		
G	100mm stainless steel bearing butt hinges Ref. BB-403030-SS	7.5	Prs		
H	Steel door lock	2	NO		
J	38mm diameter rubber door stopper plugged to floor	7	No		
	Total carried to collection				
	<u>COLLECTION</u>				
	Brought forward from page C/H//248				
	Brought forward from page C/H//249				
	Total element o3 carried to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>ELEMENT 04</p> <p>WINDOWS</p> <p>Fine chiseled "Blue Njiru" stone walling in cement mortar</p>				
A	150 x 22mm cill, bedded and jointed in cement and sand 1:1 and pointed in coloured cement mortar	32	Lm		
	<p>Supply and fix double Artisan wrot metal curtain rods from "Challenge Engineering" or other equal and approved comprising of 25mm diameter wrought iron front 16mm diameter rear rail complete with fixing brackets, curtain holding rings and decorative end stops and all necessary paintwork</p>				
B	Curtain rods	19	Lm		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Casement</u>				
	Supply, assemble and fix the following purpose-made mild steel <u>Top Hung Outward Openable</u> windows casement complete with all opening accessories, 50 x 50mm thick frame units; including "snap on" 30mm wide permanent vent; building in lugs to jambs; plugging and screwing head and cill; bedding frames in waterproof cement mortar and pointing in approved mastic externally; fixing 4mm thick reflective glass m.s oiling, easing and adjusting as described in the following overall sizes				
A	2100 x 1500mm high	12	No		
B	2100x900mm high	2	No		
C	2100 x 1200mm high	1	No		
D	600x900mm high	1	No		
	<u>Glazing</u>				
C	4mm thick Reflective sheet glass and glazing in panes 0.1-1.0sm with putty compound	44	Sm		
D	Ditto; obscured glass	1	Sm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Casement - Atriums				
	Supply, assemble and fix the following purpose-made mild steel <u>Fixed Light</u> windows casement complete with all opening accessories, 50 x 50mm thick frame units; including "snap on" 30mm wide permanent vent; building in ligs to jambs; plugging and screwing head and cill; bedding frames in waterproof cement mortar and pointing in approved mastic externally; fixing 6mm thick reflective glass m.s oiling, easing and adjusting as described in the following overall sizes				
A	2100 x 1500mm high	18	No		
B	2100 x 1200mm high	6	No		
	Glazing				
C	4mm thick reflective sheet glass and glazing in panes 0.1-1.0sm with Putty compound	72	Sm		
D	Ditto; obscured glass	0	Sm		
	Total carried to collection				
	COLLECTION				
	Brought forward from page C/H/250				
	Brought forward from page C/H/251				
	Brought forward from page C/H/252				
	Total element 04 windows to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 05</u>				
	EXTERNAL FINISHES				
	Wall Finishes				
A	Extra over natural stone walling for neat flush horizontal and vertical joints in coloured cement mortar	184	Sm		
	Cement and sand (1:4)				
B	15mm thick cement sand (1:4) render to columns	78	Sm		
C	Ditto beam	35	Sm		
D	Ditto wall facade surfaces	0	Sm		
E	Ditto sides of gutter beam fascia	58	Sm		
F	Ditto sides and soffites of kerb	33	Sm		
G	Screeding to receive wall finish	0	SM		
	<u>Cement lime plaster: 15mm thick (1:2:9)</u>				
H	Plaster to soffites of gutter	56	Sm		
	<u>Rough and Tough wall finish</u>				
J	Prepare and apply rough and touch exterior wall finish as "Crown paints" or equivalent and to approved colour	204	Sm		
	<u>Hand scratched burnt clay</u>				
K	250x75x35mm thick brick facing in cement mortar	0	SM		
	Mazerah cladding				
L	200x200x20mm thick cladding fixed with cement and sand (1:2) mortar	0	SM		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Roof finishes				
A	Form groove in concrete for edge of felt roofing and grout in cement sand mortar (1:4) including forming bell mouth joint	81	Lm		
	<u>Supply and fit APP water proofing membrane (m/s) as Italbuild Ltd laid strictly in accordance with manufacturer's printed instructions</u>				
B	Gutter cover laid to fall and cross fall on screed	44	Sm		
C	725mm high with top edge dressed into groove (m/s) and bottom edge jointed to felt	80	Sm		
D	Dress felt around 100mm rain water outlet	10	No		
	<u>Light weight roof screeds consisting of cement, sand and pumice (1:3:7) with 6mm layer of cement and sand topping laid to falls and crossfalls.</u>				
E	25mm screed on concrete to receive felt roofing sloping < 45 degrees from horizontal	44	Sm		
F	15mm ditto to sides of gutter beam	80	Sm		
G	50 x 50mm triangular fillet	81	Lm		
H	Work screed around 100mm rainwater outlet	10	No		
	Precast concrete class 20/12mm fair faced finished smooth				
J	250x50mm capping sunk weathered both surfaces and twice throated bedded and jointed in cement mortar (1:3)	83	Lm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p><u>Curtain walling</u></p> <p>Curtain walling in mild steel comprising main 75x50x4mm thick extruded rolled hollow section (RHS) frame section at 800mm vertical general spacing and 700 horizontal centres resulting panels infilled with 5mm thick toughened glass and glazing with putty on 25mm 'T' sections 300mm wide and 600mm high</p> <p>Carried to collection</p> <p>COLLECTION</p> <p>Brought forward from page C/H/253</p> <p>Brought forward from page C/H/254</p> <p>Brought forward from page C/H/255</p>	30	SM		
Total element 05 external finishes carried to summary					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 06				
	INTERNAL FINISHES				
	<u>FLOOR FINISHES</u>				
	Cement and sand (1:4) screed				
A	Screed backing under floors finished with wood float, thickness 32mm to receive ceramic tiles (m/s)	135	Sm		
B	Ditto 20mm thick to floor to receive terrazzo (m/s)	60	Sm		
	Floor tiles				
C	330 x 330 x 8mm thick ceramic tiles as manufactured by "Flamingo Tiles" or other approved non-slip tiles fixed with approved adhesive in approved	135	Sm		
D	100mm high ditto skirting	103	Lm		
	Polished white cement based terrazo				
E	20mm thick paving to floor polished smooth complete with and including 40x4mm thick white plastic divindings strips	60	Sm		
F	20x100mm high skirting rounded top edge and cored junction with floor	26	Lm		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	WALL FINISHES				
	Cement and sand (1:4) screed				
A	Screed backing to wall wood floated thickness 15mm	123	Sm		
	Coloured glazed ceramic wall tiles and fittings (cloakrooms)				
B	200 x 300 x 8mm as manufactured by "Flamingo Tiles" or other approved coloured tiles bedded and jointed in cement and sand 1:1 and pointed in coloured cement grouting	123	Sm		
	<u>Granito to wall & tiles bedding and jointing in cement sand (1:3) mortar and flush pointed with white cement grout</u>				
C	300x300x6mm thick tiles (lift shaft)	17	Sm		
	Cement Lime plaster; 15mm thick (1:2:9)				
D	Plaster to wall surfaces	568	Sm		
E	Ditto concrete surfaces	132	Sm		
	CEILING FINISHES				
	Gypsum Boards				
F	19mm thick gypsum ceilig lining complete with aluminium fixing channel (Provisional)	253	Sm		
G	Extra over for forming trap door size 600 x 600mm	3	No		
H	100 x 25mm decorative gypsum cornice	147	Lm		
	<u>Cement lime plaster, 15mm thick (1:2:9)</u>				
J	Ditto to soffits of suspended slabs	0	Sm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>COLLECTION</p> <p>Brought forward from page C/H/256</p> <p>Brought forward from page C/H/257</p>				
	Total element 06 internal finishes to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.7</u>				
	<u>ROOF CONSTRUCTION, COVERING AND RAIN WATER DISPOSAL</u>				
	<u>Roof covering</u>				
A	Gauge 28 resincot LT5 box troughed mildsteel iron roofing sheet covering nailed to timber purlins at 1350mm centres laid to slope not exceeding 25 degrees	306	Sm		
B	Translucent polycarbonic sky light roof covering to atrium	0	Sm		
C	Extra over for raking cutting	100	Lm		
	<u>Accessories, fixing as necessary to roof covering</u>				
D	Standard barrel half round ridge tile to match; 333mm girth ridge cap; and fixing to position	27	Lm		
E	Ditto hip cap	41	Lm		
F	Extra for stone coat box barge cover 333mm girth	0	Lm		
G	Ditto stone coat valley strip ditto	42	Lm		
H	Ditto stone coat side flashing ditto	278	Lm		
	Carried to collection				

ITEM	DESCRIPTION				QTY	UNIT	RATE	AMOUNT
	<u>All the following structural timber shall be sawn second grade treated cypress with 9-15% M.C.</u>							
A	100 x 75mm wall plate				117	Lm		
B	75 x 50mm purlins				316	Lm		
C	150 x 50mm underside purlin				34	Lm		
	<u>Trusses</u>							
Type	No off	Pitch	Span (mm)	Rise (mm)				
T1	12	Double	12000	1608				
T2	8	Double	5000	687				
	<u>The following in Trusses with nailed connections including templates fillets, straps, splices and hoisting approx 21.0metres above ground level</u>							
D	150 x 50mm rafters				224	Lm		
E	150 x 50mm joists				222	Lm		
F	100 x 50mm ties and struts				154	Lm		
G	100x50mm king post				25	Lm		
H	100 x 50mm collar splice plate				40	Lm		
	Total to collection							

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Other members</u>				
A	150 x 50mm valley rafters	18	Lm		
B	150 x 50mm hip rafters	41	Lm		
C	150 x 50mm common rafters	147	Lm		
D	200 x 25mm ridge board	27	Lm		
	<u>Anchor bolts</u>				
E	12mm x 50 x 2mm diameter "J" bolts, 400mm long with head nut and washers cast into concrete	130	No		
	<u>The following in wrot cypress</u>				
F	25 x 100mm tongue & grooved boarding secret nailed to and including 50 x 50mm calcured wrot cypress bearers or brandering at 600mm centres	50	Sm		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Rainwater disposal</u> <u>24g galvanized mild steel sheeting</u>				
A	Raking flashing overall 400mm girth top and turned and wedged into and including 50 x 50mm mortice in stone or concrete and rin in with cement and sand (1:3) mortar and bottom edge dressed over roofing	33	Lm		
B	Ditto horizontal	33	Lm		
	<u>26g galvanized mild steel sheeting; all welds ground smooth</u>				
C	100mm Diameter fulbora outlet	10	No		
D	100mm diameter 22 gauge galvanized metal rain water downpipe fixed to wall with holder bats at 900mm centres	30	Lm		
E	Extra over downpipe for swan neck projecting 600mm	10	No		
F	Ditto shoe	10	No		
	Galvanised mild steel sheet 22 gauge				
G	1000mm girth lining to slopping gutters with 200mm laps comprising 150 x 200mm gutter and 200mm integral flashing each side	9	Lm		
	Carried to collection				
	<u>Collection</u>				
	Brought forward from page C/H/ 259				
	Brought forward from page C/H/ 260				
	Brought forward from page C/H/ 261				
	Brought forward from page C/H/ 262 above				
	Total element 07 roof construction to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>ELEMENT NO. 08</p> <p>BALUSTRADING & RAILINGS</p> <p>Wrot mahogany</p> <p>A 100 x 50mm hand rail</p> <p>3mm thick mild steel circular hollow extrusion tubes</p> <p>Composite balustrading comprising 50mm diameter x 3mm thick top rail welded onto 25mm x 3mm secondary baluster 200mm long at 450mm long; 50mm diameter primary baluster at 900mm centres and 30mm diameter x 2mm horizontal braces at 250mm centres to detail including grinding welds smooth fixing to concrete plinth and kerb and end to walling</p> <p>B Staircase railing horizontal 1250mm high</p> <p>C Passage Balustrades railing horizontal 1250mm high</p>	4	Lm		
	Total element 08 to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 09				
	PAINTING & DECORATING				
	ROOF				
	Touch up primer and apply one undercoat and two finishing coats of 1st quality supergloss paint to:				
A	General surfaces of roof steel work	0	Kg		
B	General surfaces of 100mm diameter down pipe girth over 300mm	10	Sm		
	WINDOWS				
	Prepare and supply two undercoats stainer and two finishing coats of vanish to:-				
C	Surfaces exceeding 100 but not exceeding 200mm girth window cill	32	Lm		
	Touch up primer and apply one undercoat and two finishing coats of 1st quality supergloss paint to:-				
D	Metal Casement surface girth over 300mm internally	45	Sm		
E	Ditto Externally	45	Sm		
F	Atrium fixed metal casements syurfaces internally	91	Sm		
G	Ditto externaly	91	Sm		
	Total to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	DOOR				
	Prepare and apply two undercoats stainer and two finishing coats of vanish to:-				
A	General surfaces of doors	19	Sm		
B	Surfaces not exceeding 100mm girth	83	Lm		
C	Surfaces exceeding 100 but n.e. 200mm girth	38	Lm		
	Touch up primer and apply one undercoats and two finishing coasts of 1st qualitiy supergloss paint to:				
D	General surfaces of metal (b.s.m.)	13	Sm		
	EXTERNAL FINISHES				
	Prepare and apply 3 No. coats matt vinyl exterior wall finish as paint to:				
E	General rendered surfaces externally	204	Sm		
F	Louvre block walling	14	Sm		
G	Soffites of gutter beam	56	Sm		
	Prepare and apply 1 No coats stainer and 2 No. finishing coats of varnish to:				
H	General surfaces of mazerah tiling	0	SM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	INTERNAL FINISHES				
	Prepare and apply one undercoat and two finishing coats of 1st quality silk vinyl paint to:-				
A	General plastered surfaces of walls	568	Sm		
B	General plastered surfaces of horizontal suspended soffits	109	Sm		
C	General plastered concrete surfaces	113	Sm		
D	General surfaces of louvered block walling	14	Sm		
E	Surfaces not exceeding 100mm girth of cornice	147	Lm		
	Metal work				
	Touch up primer and apply one undercoat and two finishing coats of 1st quality supergloss paint paint to:-				
F	General surfaces of balustrading	15	sm		
G	Ditto grilled surfaces (b.s.m)	0	Sm		
	Prepare and apply two undercoats stainer and two finishing coats of varnish to:-				
H	Surfaces of rails exceeding 200mm but not exceeding 300mm girth	4	Lm		
	Total carried to collection below				
	<u>COLLECTION</u>				
	Brought forward from page C/H/264				
	Brought forward from page C/H/265				
	Brought forward from page C/H/266				
	Total element 09 to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>ELEMENT NO. 10</p> <p>JOINERY FIXTURES AND FITTINGS</p> <p>A Provide a sum of Kenya shillings One million, five hundred thousand (Kshs.1,500,000.00) for joinery fixtures and fittings in Kitchen low and high level cabinets, wadroses fittings, supply delivery and placing of household furnitures and window drapings, fridge and gas cooker complete with fully charged gas cylinder</p>		SUM		
	Total element 10 to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUMMARY FOR ATTIC FLOOR				
1	Total from page C/H/246 RC Frame				
2	Total from page C/H/247 Walling				
3	Total from page C/H/249 Doors				
4	Total from page C/H/252 Windows				
5	Total from page C/H/255 External finishes				
6	Total from page C/H/258 Internal finishes				
7	Total from page C/H/262 Roofing				
8	Total from page C/H/263 Balustrades and Railing				
9	Total from page C/H/266 Painting and Decorating				
10	Total from page C/H/267 Joinery fixtures				
11	Provide a sum of Kenya shillings four hundred thousand (Kshs. 400,000.00) for plumbing drainage and sanitary fittings and fire protection services		SUM		
12	Provide a sum of Kenya shillings Five hundred thousand (Kshs. 500,000.00) for electrical instalation works		SUM		
	TOTAL FOR ATTIC FLOOR CARRIED TO MAIN SUMMARY				

CIVIL WORKS

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ROAD WORKS & STORM DRAINAGE</u>				
	<u>ALL PROVISIONAL</u>				
	<u>SITE CLEARENACE</u>				
A	Clear site of all bushes, grass, weeds small tress, and the like and dispose as directed by the DR	4000	SM		
	<u>Excavations</u>				
B	Excavate for road and foot path average depth 200mm	4000	SM		
C	Excavate to formation and dispose off excavated material as directed by the DR	1200	CM		
D	Load, wheel and cart away excavated material from site	1200	CM		
E	Grade formation to correct fall cambers and cross falls including compaction to 100% BS	4000	SM		
F	Treat the compacted surface with approved herbicide	4000	SM		
G	Extra over excavation for excavation in rock class	420	CM		
	<u>ROAD CONSTRUCTION</u>				
H	Provide lay and compact 150mm thick approved murram sub -base	4000	SM		
J	Provide lay and roll 300mm thick approved hand packed stone base including all necessary preparation to receive stone dust bedding	1200	CM		
K	Provide, lay, spread and compact 50mm thick approved stone dust bedding o receive paving blocks	4000	SM		
L	Provide Lay 80mm thick heavy duty precast concrete paving blocks (minimum strength 49N/mm ²)	4000	SM		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>KERB AND CHANNEL</u>				
A	Provide lay and joint along the edge of the road precast concrete kerb 250x125mm and 125x100 channel including 100mm thick concrete class Q bed and haunch and all necessary excavations disposal of excavated material and formwork to detail (50) 5332 'B'	150	LM		
B	Ditto but to radius not exceeding 25m	30	LM		
	<u>KERBS</u>				
C	Provide, lay and joint along the edge of the road precast concrete kerb 250x125mm including 100mm thick concrete class Q bed and haunch and all necessary excavations disposal of excavated material and formwork to detail (50) 5332 'A'	236	LM		
D	Ditto but to radius not exceeding 25m	25	LM		
	<u>CHANNEL ONLY</u>				
E	Provide, lay and joint on the road precast concrete channel 125x100mm including 100mm thick concrete class Q bed and haunch and all necessary excavations disposal of excavated material and formwork to detail (50) 5332 'C'	144	LM		
	<u>FOOTPATHS (40) 5305</u>				
F	Excavate for footpath to make up levels using material stored on site in compacted layers not exceeding 150mm average fill 200mm	100	SM		
G	Provide lay and compact 100mm thick approved murrum fill to foot patch	100	SM		
H	Provide lay and roll 50mm thick sand bed	100	SM		
J	Provide lay a joint 600x600x50mm precast concrete slabs to foot patch in 1:3 cement mortar	100	SM		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>FOOTPATHS CONT'D (40) 5305</u>				
A	Provide lay and joint along the edge of footpatch precast concrete kerb 250x125mm as footpatch edging including 100mm thick concrete class Q bed and haunch and all necessary excavations disposal of excavated material and formwork to detail (50) 5332 'A'	78	LM		
B	Ditto but to radius not exceeding 25m	15	LM		
	<u>STORM WATER DRAINAGE</u>				
C	Excavate for storm drain starting from ground level not exceeding 1.5m deep turn sides to slope as in detail (50) 5323 'B'	360	LM		
D	Provide lay and compact 100mm thick approved murrum bed as in detail (50)5329 'B'	290	LM		
E	Provide, lay and joint in trench diameter 300mm invert block drain and 125x75mm side slab of courses on each side in cement mortar (1:3) as in detail (50)5329'B'	290	LM		
	<u>SHALLOW I.B.D</u>				
F	Excavate trench to shallow IBD storm water drain not exceeding 1.5 deep to detail (50) 5053	180	LM		
G	Provide and compact 100mm approved murrum bed	180	LM		
H	Provide lay and joint shallow IBD in trench to detail (50) 5353	180	LM		
	carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>COVERED STORM DRAIN</u>				
A	Provide material and construct steel covered storm water drain, including all necessary, excavations formwork and disposal of excavated material	15	LM		
	<u>CULVERTS AND HEADWALLS</u>				
B	Provide lay and joint in gee joints dia 450mm precast concrete pipe as culvert including 150mm thick complete class Q surroud and all necessary excavation backfilling and dispoal of exces smaterial	15	LM		
C	Provide materials and erect headwall to detail (50)531B including all necessary excavations backfilling and disposal of excess material to dia 300mm culvert	2	NO		
	<u>GULLY POTS</u>				
D	Provide and install precast concrete gully pot including 100mm concrete class Q bed surround to detail (50) 5320 including oconcrete filled gully grating to detail (50) 5024 and all necessary excavations, backfillig disposal of excavated material and formwork	10	NO		
E	Provide lay and joint dia 150mm concrete pipe in ogee joints as gully connector to storm drain including 150mm concrete class Q surroud and all necessary excavations backfilling and disposal of excess material	25	LM		
	carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>COLELCTION</u>				
A	Brought forward from Page C/H/269				
B	Brought forward from Page C/H/270				
C	Brought forward from Page C/H/271				
D	Brought forward from Page C/H/272				
	TOTAL CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SITE CLEARANCE</u>				
A	Clear site 1.5m on either side of sewerline centreline of all bushes shrubs, small trees, grass and the like and dispose as directed by the DR	630	SM		
	<u>EXCAVATION</u>				
B	Excavate trench for dia 150mm sewer pipe starting from ground level not exceeding 1.5m deep, backfill after laying pipe and dispose excess material as directed by the OR average depth 1.0m	150	LM		
C	Ditto average depth 1.25m	75	LM		
D	Ditto average depth 1.5m	75	LM		
E	Extra over excavation for excavation in rock irrespective of class	61	CM		
	CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PIPE CONSTRUCTION</u>				
A	Provide lay and joint in trench dia 160mm golden brown class 41 sewer pipe in flexible joints (rubber ring or lip seal joint including 100mm approved murrum bed and haunch to detail (50) 5310 type F	250	LM		
B	Ditto but in concrete class Q bed and haunch to detail (50) 5310 type C	50	LM		
	<u>MANHOLES</u>				
C	Provide material and erect manhole type A & to detail (50)5301 including all necessary excavations backfilling and disposal of surplus material and formwork and medium duty manhole cover and frame to detail (50) 5313 type 'A' average depth 0.6m	16	NO		
D	Ditto but with medium duty manhole cover and frame to detail (50) 5303 type 'B' average depth 1.0m	6	NO		
E	Provide material and erect manhole including all necessary excavations backfilling and disposal of surplus material and formwork and medium duty manhole cover and frame to detail (50) 5303 type 'C' average depth 1.5m	6	NO		
F	Ditto manhole type 'D' to detail (50) 5303 ditto average depth 1.6m	5	NO		
	CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>CIVIL WORKS SUMMARY</u>				
A	Brought forward from Page C/H/273				
B	Brought forward from Page C/H/274				
C	Brought forward from Page C/H/275				
	TOTAL CIVIL WORKS CARRIED TO GRAND SUMMARY				

Schedule No. 1 - IP CCTV, STRUCTURED CABLING and IP PABX Installations

Item	Description	Qty	Unit	Rate	Amount
1	Supply, Deliver, install, Test, Commission and set to work IP CCTV system as follows				
1.01	Wiring of CCTV camera from control room to IP camera location with CAT 6A (10G)4-pair UTP cable as SIEMON.	6000	M.		
1.02	Termination of the Cat 6A UTP cables at both ends	100	No		
1.03	Dual RJ/45 CAT 6A (10G)(Angled) outlets complete with faceplate and labelling as SIEMON	100	No.		
1.04	24 port CAT 6A (10G) Modular patch panel for 4-Pair UTP Termination as SEIMON	5	No.		
1.05	1M Factory terminated CAT 6A (10G)4 pair-UTP RJ 45- RJ 45 patch cords to be used inside cabinet as SIEMON	100	No		
1.06	24 port way fibre optic patch panel complete with connectors as SIEMON	5	No.		
1.07	1M Factory Terminated Fibre optic patch cords complete with connectors SIEMON	150	No		
1.08	Fibre Optic Module Connector as SIEMON	100	No		
1.09	Panasonic Day & Night Dome Network Camera WV-SF548 with PoE with the features:3.1 MP, 1080P full HD Super Dynamic Technology deliver 128x wide Dynamic Range, Vandal Resistant, 3x Extra Optical Zoom at 360p resolution-or EQUAL and APPROVED complete with mounting Brackets	28	No		
1.10	Panasonic weather resistant IP66 Day & Night PTZ HD Dome Network Camera WV-SW396- P.O.E , with 720pHD images upto 30fps, High sensitivity with Day and Night functions, super dynamic 128x wide Dynamic Range, 360 degrees Endless Panning Supports P.O.E plus (P.O.E+) and support Smart phone monitoring and ONVIF compliant model complete with mounting Brackets/Spindal and all other accessories-or EQUAL and APPROVED	2	No		
1.11	Ethernet System Controller WV-CU950 with 3D-Joystick & Jog/shuttle	1	No.		
Sub total carried forward to next page					

Item	Description	Qty	Unit	Rate	Amount
	Sub total brought forward from previous page				
1.12	Panasonic WJ-ND400 Network Network Video Recorder (NVR) with 9HDD slots in the main Unit Complete with WJ-HDE400 extension unit having 9HDD Slots. The complete package to be supplied with 10Terabyte (TB) storage space Hard Drives.	1	No		
1.13	Cisco catalyst WS-C3750-V2 series layer 3 24 port T.24 802.3af P.o.E 10/100Base –TX ports, 2combo 10/1000base + 4 SFP ,410/1000-T Gigabit Ports standard image Cisco catalyst 1000 Base (Manufactured 2015)	1	No		
1.14	Cisco SFP Interconnector for Router configuration to be connected on the back of the 4 SFP ports behind the WS-C3750-PS-S 24 port switch with P.O.E	1	No		
1.15	Supply, installation and configuration of Router Cisco catalyst 7600 series with 4 expansion slots complete with supervisor engine System DRAM 512B, Power supply unit, and chesis and all other equipment and accessories required.	1	No		
1.16	Samsung UE65HU8500 UHD 4k - 65 inch Monitor	2	No		
1.17	LENOVO A740 ultra slim 68.58cm touchscreen ALL-IN-ONE computer with Intel Core i7,(Processor:2.7GHz Intel Core i7 Quad-Core, Memory: 8GB DDR3 RAM, H81 chipset, OSMAK Consulting Engineers Ltd NVA-C/4 OSwindows8.1, HDD- 1T+8GB SSHD, Graphics-N-vidia GT840A 2GB,) complete with wireles Keyboard & Mouse. (No alternative shall be supplied)	2	No		
1.18	PowerDsine PD-7024G/AC/M High Power 24-port gigabit Power over Ethernet midspan with power management	1	No		
1.19	Allow for training of the personnel on the Item usage and operation of CCTV system	1	Sum		
1.20	System Program, programming and downloading	1	Sum		
1.21	Network Documentation	1	Sum		
1.22	Allow for necessary Firewalls and network access security	1	Sum		
1.23	Testing and commissioning of the entire installation	1	Sum		
Total for CCTV carried forward to collection page for Electrical					

Schedule No. 2.0 – IP-P.A.B.X INSTALLATION

Item	Description	Qty	Unit	Rate	Amount
2.00	Supply, Deliver, install, Test, Commission and set to work IP PABX system as follows				
1.1	Supply, install, test and commission a Hybrid fully IPPBX equipped as Panasonic KX-TDA600 max 96 Co Lines	1	No.		
1.2	Programming of above PABX to client's/ Engineer's satisfaction	1	No.		
1.3	DSS console as KX-T7640	2	No.		
1.4	Fixed wireless Terminal as Huawei FT 2250 for Analogue Line with Sim card as Orange GSM	1	No.		
1.5	GSM modules as Fussion 100 for provision of analogue telephone Network connection over GSM Network.	1	No.		
1.6	30 pair Krones Discase unit complete with modules & earth terminations for cable kits & Extrnal Lines	20	No.		
1.7	Panasonic Display unit as KX-DT346	2	No.		
1.8	Lightning protectors, 10 per pack	1	Lot		
1.9	Operator set as KX-T7636	2	No.		
1.10	KX-TDA0104 Power back up battery backup link kit, with charger and adapter	1	No.		
1.11	Executive Panasonic Telephone Head Sets-KXT 2365	100	No.		
1.12	Standard Panasonic Telephone Head Sets-KXT-2371	400	No.		
Total for IP PABX carried forward to collection page for Electrical					

Schedule No. 3.0 –Structured cabling

Item	Description	Qty	Unit	Rate	Amount
1	Supply, install, test and commission the following:				
1.1	10G 6A F/UTP 4-pair cable for Data/Telephone outlets as SIEMON (305M/Roll)	10000	m.		
1.2	Dual RJ/45 10G 6A F/UTP (Angled) outlets for voice / Data complete with faceplate and labelling as SIEMON	300	No.		
1.3	24 port 10G 6A F/UTP Data/Voice Modular patch panel as SEIMON	10	No.		
1.4	1M Factory terminated 10G 6A F/UTP 4 pair-UTP RJ 45- RJ 45 patch cords to be used inside cabinet as SIEMON	300	No.		
1.5	3M Factory terminated 10G 6A F/UTP 4 pair-UTP RJ 45- RJ 45 patch cords for data outlets as SIEMON	300	No.		
1.6	Printed self-laminated wrap cable markers, to be installed at both cable ends.	300	No.		
1.7	2U Cable managers/organizers as SIEMON	10	No.		
1.8	ACTIVE EQUIPMENT				
	3.1.1 Supply, installation and configuration of Cisco catalyst WSC3750-V2 series layer 3 , 24 port T.24 802.3af P.o.E 10/100Base–TX ports, 2combo 10/1000base + 2 SFP ,2 10/1000-T Gigabit Ports standard image Cisco catalyst 1000 Base (Manufactured 2015)	1	No.		
1.9	CABINETS				
	Telecommunication Closet of size 42U Equipment Rack (1000 X 1000 mm) c/w power supply (6 No. Twin 13A s/o on 100x50mm Vertical trunking), UTP patch panels, vertical (four side) and horizontal cable management, 4 nos. ventilation fans, lockable lift-off perforated side panels, glass door perforated frame panel door, 5 nos. equipment trays,fibre optic termination unit and perforated enclosed base panel	1	No.		
Sub total carried forward to Next page					

Item	Description	Qty	Unit	Rate	Amount
	Sub total brought forward from Previous page				
1.10	BACKBONE CABLING				
	24 port way fibre optic patch panel complete with connectors	10	No.		
1.11	3M Factory Terminated Copper patch cords complete with connectors to be used inside cabinet as	300	No.		
1.12	1M Factory Terminated Fibre optic patch cords complete with connectors to be used inside cabinet	300	No.		
1.13	S110 IDC Modules Mounted in cabinets - 20 pair complete with mounting frame inside cabinet.	10	No.		
1.14	50 pair PVC cable for voice from MDF in PABX RM (server room) to cabinets	60	M		
1.15	2 pair single mode out door with armouring fibre optic cable linking floor edge switch to core switch in cabinet in server room	50	M		
Total for Structured cabling carried forward to collection page for Electrical					

COLLECTION PAGE FOR IP CCTV,STRUCTURED CABLING AND IP PABX

Item	Description	Qty	Unit	Rate	AMOUNT
1	Schedule No. 1 – Total amount for IP CCTV Installation brought forward from page C/H/278				
2	Schedule No. 2 : Total amount for IP PABX Installation brought forward from page C/H/279				
3	Schedule No. 3 : Total amount for Structured Cabling Installation brought forward from page C/H/281				
4	Contingency sum to be expended at the discretion of the project manager Kenya shillings five hundred thousand (Kshs. 500,000.00) only				
Total carried to summary					

SCHEDULE NO. 3 - FIRE DETECTION AND ALARM SYSTEM

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Supply, install, test and commission the following:-				
3.00	20 A MCB painted red and an attached label with the conspicuous legend 'FIRE ALARM –DO NOT SWITCH OFF', complete with all wiring in 3X2.5 mm ² sc PVC copper cables drawn in concealed 38 mm diameter conduit from the 20A MCB in DB A , all accessories included	1	NO		
3.01	Break glass call points flash mounted as Menvier Model No.MBG 913 or approved equivalent	48	NO		
3.02	photocell smoke detector complete with wiring and all accessories as Menvier Model No.MPD 820 or approved equivalent	282	NO		
3.03	Fire bell sounders as 24 V DC 8''(200mm) as Menvier Model No.MBM 248 or approved equivalent	24	NO		
3.04	Self contained luminaire complete with all wiring and all necessary accessories as WEATHER LITE 8W 3Hr Vandal resistant non maintained IP65 CAT. No. WLN or approved equivalent.	48	NO		
3.05	24 Zone fire protection control panel complete with 72 hr battery back-up, all accessories included as Menvier Model No.MF9304 or approved equivalent	1	NO		
	TOTAL FOR FIRE DETECTION AND ALARM SYSTEM				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SCHEDULE NO. 4 - LIGHTNING PROTECTION				
4.00	LIGHTNING PROTECTION				
	a) 25mmx4mm copper tape down conductor supported under the roof ridge at 1.0m intervals including junction clamps.	M	500		
	b) Galvanized steel conduit 32mm diameter at ground floor for item (a) above.	M	10		
	c) Earthing chamber 300mmx300mm masonry type complete with removable cover.	NO	4		
	d) 16mm dia.x1500mm long pure copper earth rod complete with clamp and all accessories	NO	4		
	e) approved test clamps as FURSE	NO	4		
	f) air termination (600mm long pure copper with spikes)mounted on bracket as Furse	NO	4		
	TOTAL FOR LIGHTNING PROTECTION				

SCHEDULE NO. 5 External Security Lighting

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
5.00	Supply, install, test and commission the following:-				
5.01	Standard 6M street lighting column as MOW Drg. No. E/379B type 3	15	NO		
5.02	Photocell as Thorn QPK or approved	2	NO		
5.03	Post top lantern as Thorn Cat No.QG6F/55/200 or approved equivalent	15	NO		
5.04	5M lighting column for mounting the photocell as Thorn QC1 or approved equivalent	2	NO		
5.05	20 A TPN Electromagnetic contactor as TELTMECHANIC or approved equivalent	2	NO		
5.06	Security lighting circuit wired in 5 x 4 sq mm SC PVC copper cables drawn in concealed 50 mm diameter HG PVC conduits	2	NO		
5.07	2 Core 6mm sq. PVC/SWA/PVC copper cable	500	M		
5.08	Standard MOW cable loop in box complete with all the necessary accessories	2	NO		
5.09	100MM diameter duct encased in concrete surround	60	M		
5.10	Trenching, tiling and backfilling for item No. 3.07 above	400	M		
5.11	Allow for inter wiring between the photocell and the Electromagnetic contactor	2	NO		
5.12	5A Lucy cut-outs mounted in the street lighting columns	15	NO		
5.13	Allow for inter wiring between the Lucy cut-out and the Lighting fitting.	15	ITEM		
5.14	Earthing at every third lighting column to the satisfaction of the Engineer.	5	NO		
5.15	Earthing the cable loop in box to approval	2	NO		
	TOTAL FOR EXTERNAL SECURITY LIGHTING				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PROVISIONAL SUMS</u>				
A	Provide sum of Kenya Shillings Ten million (Kshs. 10,000,000.00) only for project management by Public Works		SUM		10,000,000.00
B	Add for profit		%		
C	Provide sum of Kenya Shillings Ten million (Kshs. 10,000,000.00) only for clients transport and attendance expenses		SUM		10,000,000.00
D	Add for profit		%		
E	Provide sum of Kshs. One hundred and thirty million (Kshs. 130,000,000.00) only for contingencies		SUM		130,000,000.00
F	Provide a sum of Kenya shillings seven million for Geotechnical survey to be carried out before commencement of the project construction		SUM		7,000,000.00
G	Add for profit		%		
H	Allow the Provisional Sum of Kshs 1,600,000 in connection with provision of furniture and other equipment for Project Manager's office Furniture and equipment to revert back to the Employer at the end of the contract		SUM		1,600,000.00
J	Provide the Provisional Sum of Kshs 1,500,000.00 in connection with the Project Manager's miscellenous account for due performance of the Project Manager's office to be spent in whole or part as instructed by the Project Manger and to be reimbursed against receipts.		SUM		1,500,000.00
	Site requirements and approvals				
K	Provide a Provisional Sum of KShs 350,000 in connection with environmental mitigation measures including procurement, transport and installation of items as directed by the Project Manager.		SUM		350,000.00
L	Provide a provisional sum of Kenya shilling Six million thousand (Kshs. 6,000,000.00) for temporary roads and access and properly maintained for the full duration of the contract to satisfaction of the project Architect		SUM		6,000,000.00
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Provide a Provisional Sum of KShs 10,000,000 in connection with shifting and relocation of services and utilities as directed by the Project Manager.		SUM		10,000,000.00
B	Provide a Sum of KShs 1,000,000.00 in connection with supervision as follows: 1 No. Clerk of Works at Kshs.12,000 per week for 80 weeks		SUM		1,000,000.00
C	Provide a Sum of KShs. 1,200,000 in connection with payment of Resident Engineer's allowances. At kshs. 15,000 per week		SUM		1,200,000.00
D	Provide a Sum of Kenya shillings Ten million (Kshs. 10,000,000.00) for additional civil works		SUM		10,000,000.00
E	Provide a Sum of Kenya shillings Ten million (Kshs. 10,000,000.00) for Landscaping		SUM		10,000,000.00
F	Provide a Sum of Kenya shillings Twenty million (Kshs.20,000,000.00) for External Works		SUM		20,000,000.00
G	Provide a Sum of Kenya shillings five million (Kshs.5,000,000.00) for water reticulation		SUM		5,000,000.00
H	Provide a Sum of Kenya shillings Twenty million (Kshs. 20,000,000.00) for fluctuations		SUM		20,000,000.00
J	Provide a sum of Kenya shillings twenty million (Kshs. 20,000,000.00) for installation of 3 No. 12 passengers each electric lifts		SUM		20,000,000.00
K	Provide a sum of Kenya shillings Seventy million (Kshs. 70,000,000) only for basement		SUM		70,000,000.00
L	Provide a sum of Kenya Shillings (Kshs. 3,000,000.00) for KPLC Ltd Service line		SUM		3,000,000.00
M	Provide a sum of Kenya shillings (Kshs.10,000,000.00) for high and low level water tanks		SUM		10,000,000.00
N	Provide a sum of Kenya shillings fourteen million (Kshs.14,000,000.00) for storm water protection		SUM		14,000,000.00
	Total carried to collection				

C/H/287

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p><u>Transport</u></p> <p>The contractor shall provide for site trips only a vehicle of type Toyota or Nissan Van to comfortably seat Nine persons including maintaining licences and insurances, competent driver; all to the satisfaction of the Project Manager. The vehicle shall be provided specifically for and during site visits by the supervisory technical team. The vehicle shall be in perfect conditions for the entire duration of the trip i.e from Ministry of Roads, Transport and PublicWorks head office situated at the county works office building, Nakuru, off Nakuru - Kabarak Road along prisons road to County Government present/Head offices situated along Moi Drive and back to the office including local running. The driver shall be at the sole direction of the Project Manager for the entire duration of the trip, until release by him/her (Total approximate return 2 No. trips journey is 10Km)</p> <p>Reimbursement for the contractor for providing the transport service driver, servicing, fuels, oils, lubricants and tyres will be based per trip all at the rate here below (Contractor to insert rate - Item A inserted)</p> <p>Allow for providing a vehicle as above described including maintenance, fuels, lubricants spares and tyres etc (one day)</p> <p>Carried to collection</p> <p><u>COLLECTION</u></p> <p>Brought forward from page C/H/287</p> <p>Brought forward from page C/H/288</p> <p>Brought forward from page C/H/289</p>	50	Trips		
TOTAL CARRIED TO SUMMARY					

PROPOSED CONSTRUCTION OF NAKURU COUNTY HEADQUARTERS

ITEM	DESCRIPTION	FROM PAGE	AMOUNT (KSHS)
	<u>GRAND SUMMARY PAGE</u>		
A	PARTICULAR PRELIMINARIES	C/H/83	
B	GENERAL PRELIMINARIES	C/H/101	
C	TOTAL FOR LOWER GROUND FLOOR	C/H/125	
D	TOTAL FOR GROUND FLOOR	C/H/170	
E	TOTAL FOR 1ST, 2ND 3RD& 4th FLOORS	C/H/206	
F	TOTAL FOR 5TH FLOOR	C/H/244	
G	TOTAL FOR ATTIC FLOOR	C/H/268	
H	TOTAL FOR CIVIL WORKS	C/H/276	
J	TOTAL FOR IP CCTV, STRUCTURED CABLING AND IP PABX INSTALLATIONS	C/H/282	
K	TOTAL FOR FIRE DETECTION & ALARM SYSTEM	C/H/283	
L	TOTAL FOR LIGHTINNG PROTECTION	C/H/284	
M	TOTAL FOR EXTERNAL SECURITY LIGHTS	C/H/285	
N	TOTAL FOR PROVISIONAL SUMS	C/H/288	
TOTAL CARRIED TO FORM OF TENDER V.A.T INCLUSIVE			
<p>Contract Period 60 weeks.....</p> <p>Amount in words</p> <p>.....</p> <p>.....</p> <p>Tenderers Name</p> <p>.....</p> <p>Adress</p> <p>.....</p> <p>SignatureDate.....</p> <p>.....</p> <p align="center">C/H/289</p>			