Item	Description	Unit	Qty	Rate	Amount (Kshs)
	ELEMENT No.1				
	PRELIMINARIES AND ENABLING WORKS				
A	Allow for temporary site office able to accommodate 10 people, notice-board, shelves, store for materials and tools storage and changing room for operatives, furniture and meeting accessories including refreshments etc. during meetings	ITEM	1		
B	Allow for all necessary statutory approvals for the works by relevant County Authorities, replication of drawings to required formats by county government, endorsement by relevant proffessional persons and submit a set of approved drawings to client before commencement of the works.	ITEM	1		
C	Allow for registration of site/project and staff (foreman, Masons, Capenters, etc) with National Construction Authority (NCA)	ITEM	1		
D	Allow for a qualified person conversant with Kenya Power safety regulations with capacity to receive safety electrical permits and to double up as 'Safety Officer' for the entire contract period	ITEM	1		
E	Allow for security and insurance for the proposed works	ITEM	1		
F	Allow for temporary sign post for the proposed works.	ITEM	1		
G	Allow for temporary hoarding where necessary for the proposed works	ITEM	1		
H	Allow for temporary metered electricity supply for the works (Lv suppy within site)	ITEM	1		
I	Allow for clean water on site for the construction works.	ITEM	1		
	ELEMENT No.2				
	SWITCH YARD REHABILITATION(All Provisional)				
A	Clear site of all existing bushes, shrubs and under-growth including grubbing up roots and burning the arising	SM	710		
B	Excavate oversite vegetable soil average depth 200mm including Scooping any existing ballast within the live switch-yard and cart way to Municipal Council designated damping site.	SM	710		
C	Level and Compact bottom of excavation as before described to receive approved imported murrum fill (M.S) to approval including keeping it free from surface water	SM	710		
D	Provide averagelly 500mm thick selected and approved imported murram fill in switchyard, compacted in layers not exceding 150mm thick using a 10 tonne vibrating roller and finally finishing the top 150mm to achieve slope and receive ballast (M.S)	CM	355		
E	Prepare and apply Gradiator 4TC or equal and and approved insecticide to surfaces of murram fill and blinding as per Manufacturer's written instructions (certificate of application to be provided to the client)	SM	355		
	Total to this page 1 and carried to Summary page				

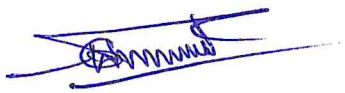
Item	Description	Unit	Qty	Rate	Amount (Kshs)
F	Apply suitable weed killer/herbicide and approved insecticide to surfaces of murram as per the Manufacture's written instructions(Certicate of application to be provided to the client)	SM	355		
G	1000 gauge polythene or other equal and approved mebrane laid on compacted and treated murram with welted laps of 200mm wide.	SM	355		
H	Supply and spread uniformly 150mm thick, 30-50mm ballast/Crushed aggregates (machine-crushed) in switchyard	SM	355		
I	Allow for Supervision office print/data and Provide gadgets - provisional 450,000,000 -Project office and reports facilitation- PE//PM/PS	ITEM	1		
	ELEMENT No. 3				
	ACCESS ROAD (Marrum) - Provisional				
A	Excavate for a 5m wide access road depth not exceeding 550mm starting from the reduced levels and cart away the spoil.	CM	182		
B	Level and compact Road Base with imported and approved murrum to an average thickness of 150mm in layers of 50mm thick to receive hardcore	SM	330		
C	Approved handpacked hardcore fill, average depth of 500mm and well compacted in layers of 150mm using a 10 tonne vibrating roller.	SM	330		
D	100mm thick approved and well compacted quarry dust blinding on compacted marrum surfaces	SM	330		
F	125 x 250 mm Splayed kerb to BS 340 including 125 x 100 mm channel on and including concrete Class 'E' foundation and 100 mm haunching to back of a kerb including all necessary excavation, formwork and disposal.	LM	120		
G	Ditto but curved on plan.	LM	15		
H	Extra over for junction between straight and curved kerbs.	NO	6		
I	Prepare surfaces and apply three coats of approved road marking paint: to Kerb stones and parking 75-150mm girth with kenya power branded colours.	LM	135		
J	Supply and install as shall be directed by client, 150mm diameter HDP pipes as ducts for cables crossing the access road including all necessry excavations, concrete bedding , haunching and surround to ducts .	LM	48		
K	Allow for 150mm diameter medium duty pvc bends on selected equipment plinths as shall be directed by client including bedding and haunching with (1:3:6) mass concrete to approval	No.	20		
L	Allow for 150mm diameter medium duty pvc ducts on selected equipment as shall be directed by client including bedding and haunching with (1:3:6) mass concrete to approval	LM	36		
	ELEMENT No.4				
	CABLE TRENCHES AND DUCTS - External (All Provisional)				
	Trench (600x600mm deep) length approx. 60 metres at various locations				
A	Excavate for cable trench 1.0m wide from reduced level not exceeding 1.0 metres deep and level Trench bottoms to receive concrete blinding (m.s)	CM	60		
	Total to this page 2 and carried to Summary page				

Item	Description	Unit	Qty	Rate	Amount (Kshs)
	Cable trays for 600x600 Cable trench				
A	Fabricate, galvanize to not less than 95microns and fix cable trays,in 40x40x5mm thick RHS main frame with 40x40x5mm RHS ties at 300mm c/c welded in the main frame and raised 200mm above the cable trench floor with same size supports. Allow for 50x50x 6mm thick mild steel plates welded to all the bases of the cable tray support legs	LM	60		
B	Load, cart away excavated materials and dispose at areas designated by local authority.	CM	44		
C	Backfill and ram selected excavated materials around trench walls.	CM	16		
D	50mm plain concrete(1:4:8) blinding on cable trench base	SM	60		
	Vibrated reinforced concrete class 25/20mm aggregates as described in;				
E	In 150mm thick trench base.	CM	8		
F	In 150mm thick trench walls with fairly smooth face finish.	CM	11		
G	Provide and put in place (900x300x75mm) thick precast concrete trench covers reinfoced with Y8 bars spaced at 100mm both ways with fair face finish on both sides, including special covers at all coners	No.	201		
	High yieled steel reinforcement bars including cutting, tying, bending and fixing in place, spacer blocks and tying wires to BS 4449.				
H	D 8 in cable trench	KG	840		
	Form work to				
I	Vertical sides of trench walls.	SM	190		
J	Trench base	LM	120		
	Piped Culverts & External Access Roads				
K	Allow for 450mm internal diameter Concrete piped culverts, rates to include excavations, carting away, backfill, 50mm concrte blinding, 100mm mass concrete (class 20/25) in bed and 200mm concrete surround and head and wing-walls.	LM	10		
L	Allow for connecting the murrum access road with the external public roads including laising with the road Authorities and County Government	ITEM	1		
	Total to this page 3 and carried to Summary page				

Item	Description	Unit	Qty	Rate	Amount (Kshs)
	ELEMENT No.5				
	CONTROL ROOM 10M X5M				
	Substructure works(All provisional)				
	Excavation				
A	Excavate for foundation strip 700mm wide commencing from stripped level depth not exceeding 1.5m.	CM	37		
B	Ditto but for widening for column bases (1000mmx1000mm)	CM	3		
C	Ditto but for Internal cable trenches (600x600)mm	CM	30		
D	Extra over for excavations in all classes of rock at any depth	CM	4		
E	Allow for all necessary planking and strutting.	ITEM	1		
F	Allow for keeping excavation free from general water.	ITEM	1		
G	Level and compact bottom of trenches to receive blinding	SM	54		
	Blinding (Mass Concrete Class P as described)				
H	Plain concrete (1:4:8-20mm aggregates) in 50mm thick blinding for strip foundation	SM	27		
I	Ditto to column bases	SM	10		
J	Ditto to cable trenches	SM	15		
	Sawn formwork to: -				
K	Sides of strip footing 100-150mm high	LM	68		
L	Sides of ground floor slab 100-150mm high	LM	30		
M	Ditto but in cable trenches	SM	35		
N	Ditto but to column bases and footing	SM	4		
	Concrete.				
	Vibrated reinforced concrete class 20/20 (1:2:4/25) as described in				
O	Strip foundation	CM	6		
P	Cable trenches(150mm thick)	CM	4		
Q	Column bases(1000mm x1000mm x250mm thick)	CM	2		
R	Substructure columns stubs (200x200)	CM	1		
S	Concrete door ramp	CM	5		
	Total to this page 4 and carried to Summary page				

Item	Description	Unit	Qty	Rate	Amount (Kshs)
	High yield mild steel reinforcement from 8mm to 12mm including cutting, bending, spacers, tying wire and fixing to BS 4449 in, strip foundation, column bases, footing and cable trenches.				
T	Y 12	KG	250		
U	Y 10	KG	200		
V	Y8	KG	185		
	Substructure natural stone walling in cement sand mortar (1:3) including and reinforced with 20 SWG Hoop iron in every alternative course				
W	200mm thick wall.	SM	50		
	HardCore Filling				
X	Excavations in control room to reduce levels	CM	20		
Y	Average 150mm thick layers of selected and well compacted imported murram fill , compact using approx. 2 ton vibrating roller to receive hardcore filling. For control	CM	10		
Z	Selected imported hardcore fill, compacted in layers of 150mm thick to satisfaction of client	CM	35		
AA	50mm thick approved murram blinding on hardcore fill.	SM	60		
AB	Return, fill and ram selected excavated materials around foundations and trenches.	CM	30		
AC	Load cart away surplus excavated materials and dispose in areas designated by local authority.	CM	30		
	Insecticide.				
AD	Prepare and apply "Premise 200 SC " or equal and approved insectcide to surfaces of blinding as per manufacturer"s written instructions.	SM	55		
	Damp Proofing.				
AE	1000 gauge polythene DPM laid on top of blinding including 200mm side and end laps.	SM	55		
	Mild steel bar to BS 4449;				
AF	BRC mesh reference No. A142 weighing 2.22kg per square meter including 150mm minimum end and side laps,bends, tying wires and spacer blocks.	SM	55		
	Vibrated reinforced concrete class 20/20 (1:2:4/25) as described in				
AG	150mm thick ground floor slab.	SM	55		
	Superstructure Works				
	Damp Proof Course.				
AH	200mm wide dump proof cource (DPC) laid with 1:3 mix (cement sand mortar.)	LM	35		
	walling in cement sand mortar (1:3) including and reinforced with 20 SWG hoop iron in every two alternating course.				
AI	200mm thick smooth dressed natural stone wall/approved concrete blocks/Machine cut including making horizontal keys on external wall surface.	SM	200		
	Sawn formwork to;				
AJ	Vertical sides of floor slab beams	SM	13		
	Total to this page 5 and carried to Summary page				

Item	Description	Unit	Qty	Rate	Amount (Kshs)
AK	Ditto but soffit	SM	2		
AL	Ditto but soffit of roof slab	SM	58		
AM	Sides of roof slab 100-150mm high	LM	64		
AN	Sides of columns	SM	12		
	Vibrated reinforced concrete class				
	20/20 (1:2:4/25) as described in:				
AO	Columns	CM	2		
AP	Ring beam	CM	3		
AQ	150mm thick roof slab	SM	61		
	Reiinforcement				
	Steel reinforcement bars including cutting, bending, spacer blocks, tying wires and fixing. High tensile bars to BS 4461: 8mm to 12mm bars to:				
AR	Y 8	KG	150		
AS	Y 10	KG	550		
AT	Y 12	KG	240		
	Roofing				
	Supply and fix 5No.fabricated steel trusses spanning 5000mm and hoisted height not exceeding 4.00m high above finished floor level Including Fixing to R.C Roof Slab as described;				
AU	Trusses consisting of 50x50x4mm tie beam,rafters 50x50x3mm,struts and ties 50x50x3mm; all with 10 nos. mild steel cleats 100x50x4mm for purlins anchor, to heights not exceeding 4m spanning 5m with weight not exceeding 200kg Including fixing the same to wall.	NO	5		
AV	Zed purlins ZS6 100mm deep	LM	168		
AW	Prepare and apply 2 coats of grey - oxide primer paint on roof structural steel work prior to hoisting/fixing in position and one final touch-up coat after erection.	ITEM	1		
AX	Supply and fix BP760 box profile factory pre-painted gauge 28 roofing sheets to an approved colour laid with 94mm side laps and 150mm end laps fixed to steel 'Z' purlin (m/s) including 'J' bolts washers, nuts and rubber caps at 600mm centers	SM	137		
AY	Ditto but 28Gx480mm with stiffeners ridge caps	LM	11		
	Rainwater Goods				
AZ	Fabricate SHS 40x40x4mm thick steel facsia cladding framework structure not more than 1000mm high, S.H.S 40x40x4mm mild steel struts, including fixing into the wall with adequate wall passes as described to client satisfaction including applicatioin of 2 coats of red-oxide primer and a final touch-coat after erection.	LM	200		
	Total to this page 6 and carried to Summary page				



Item	Description	Unit	Qty	Rate	Amount (Kshs)
BA	Supply and fix BP760 box profile factory pre-painted gauge 28 cladding sheets to an approved colour laid with 94mm side and end laps to 1000mm high fixed to steel 40x40x4mm fascia cladding frame including 'J' bolts washers, nuts and rubber caps.including underside of cladding 500mm wide icluding 4nos. vertical corner flashings as necessary	SM	80		
BB	Purpose made 14 gauge box gutter 900mm girth, srewed/welded to gutter stool on 50x25x3mm thick M.S fixed to rafters at 600mm centres; internally painted with two coats of black bituminous paint, externally with one coats of red oxide primer and two coats of finishing silver alluminium paint	LM	25		
BC	Extra over for stopped ends.	NO	4		
BD	Ditto for 150mm diameter holes in gutter.	NO	2		
BE	Allow for 150mm diameter 28 gauge mild steel down-pipe including fixing to wall	NO	2		
BF	Extra over down pipe for swan neck	ITEM	1		
BG	Extra over down pipe for bends	ITEM	1		
BH	Extra over down pipe for shoe	ITEM	1		
	Painting generally.				
BI	Prepare and apply 2 coats of red oxide primer and apply 2 coats of silver alluminium finish on rainwater goods	ITEM	1		
	Windows				
BJ	Composite purpose made mild steel casement window (Overal Size 1200mm wide X 1500mm high) frame size,25mm`Z`bar, 25mm million with 63x3 flat bar welded on the back and 25mm T bar for windows pane panels of maximum 275 x 225mm complete with 5mm glass with putty all to client approval	No.	4		
BK	Prepare and apply 2 coats of red oxide primer and apply 2 coats of matt finish paint on window frames of 63mm girth	SM	8		
BL	250x50mm thick precast concrete weathered and throated window Cill reinforced, finished fair face on all exposed surfaces, bedded and jointed in cement sand mortar (1:4)	LM	5		
	Doors				
BM	Double leaf steel doors overal size (1650x3075mm) openable 1500x3000mm high in two panels 750mm wide consisting of 1.6mm thick plate welded to 50x25x3mm framework; 75x50x6mm main frame with wall anchors; client approved steel louvres size (400x300)mm fixed at top and bottom of all shutters as per the clients requirement.	NO	1		
BN	Ditto but single leaf steel door 1200mm wide	NO	1		
BO	Prepare and apply 2 coats of red oxide primer and 3 coats of gloss paint on all steel doors internally and externally.	SM	20		
	Internal Finishes (Walling)				
BP	13mm thick cement sand plaster (1:4) to walling mixed with lime smooth finish to receive paint	SM	180		
	Total to this page 7 and carried to Summary page				

Item	Description	Unit	Qty	Rate	Amount (Kshs)
BQ	13mm cement sand mortar(1:4) on the gable surface externally.	SM	138		
BR	Prepare and apply undercoat, 1 coat of vinyl matt and 2 coats of premium grade silk vinyl emmulsion paint on all plastered surfaces internally and externally.	SM	320		
	Flooring				
BS	20mm thick cement sand (1:3) screed for floor to receive terazzo	SM	55		
BT	30mm thick well polished terrazzo floor finish to approval	SM	55		
BU	32 x 2mm thick Plastic dividing strips.	LM	108		
	Plinth Area.				
BV	12mm thick cement sand mortar(1:4) render to plinth.	SM	21		
BW	Prepare and apply undercoat and three coats of bituminous gloss paint to plinth.	SM	21		
	Cable Trench Covers				
BX	Provide 50x50x3mm angle iron embeded on the edges of cable trench to receive chequer plate covers	LM	28		
BY	Provide 600x600x3mm thick chequer plate covers welded onto (1.5"x1.5"x3mm) SHS framework of same size to cable trench including provision of adequate handles to ease lifting to client approval, prime with undercoat and two coats of black paint (gloss)	NO	24		
	Control Room Lightening Protection				
BZ	Allow for Control Room Lightening protection	TEM	1		
CA	Allow for KPLC to carry-out earthing on the Control Room	ITEM	1		
	ELEMENT No.6				
	ELECTRICAL INSTALLATIONS WORKS				
A	Allow for Builders work in relation to Elecrical power supply points for 1No-12way-3phase distribution board, 1No. single phase 4-way consumer unit, 4No. double socket outlets, 8No. lighting points and all the necessary fittings, earthing the control room incuding chasing and making good all works as described	ITEM	1		
B	Allow for Electrical installation to be carried out by a nominated sub-contractor as per Electrical drawing-lump sum and to comprise of the following, (1) 1No.-12way 3-phase, 415v distribuition board rated 100Amps, complete with 3-phase MCBS, 32Amps, 3-sets,20Amps, 3-sets, 16Amps, 2-sets, (2) 1No. single phase consumer unit rated 100A with four single phase MCBS rated 10A, 16A, 30A & 20A, (3) 4No. approved double socket outlets, (4) 4no. approved complete flourescent ligths 30watts x 1200mm long & 4No. security lights, (5) 3No. approved switches. (6) Approved standard wiring cables and any other necessary fittings.	ITEM	1		
	Total to this page 8 and carried to Summary page				

Item	Description	Unit	Qty	Rate	Amount (Kshs)
C	Supply and fix emergency chargeable lights in the control room to client approval.	NO	2		
	ELEMENT NO. 7- SMOKE DETECTORS				
F	Allow for Hardwired Smoke detectors installations; including a battery back up; to be carried out by a nominated sub-contractor	ITEM	1		
G	Allow for general attendance on specialist contractor	ITEM	1		
H	Builder's work in connection with Smoke detector installations; cut away for and attend in all trades on the sub-contractor installing the following points in a mainly concealed system; including chases, holes and recess notching in timber etc; and making good all finishes for cut in boxes, electrical wiring, mounting brackets, smoke detector feeds, fire alarm points etc	ITEM	1		
	ELEMENT NO. 8 - FIRE EXTINGUISHERS				
	Supply and fix controlled discharge 9 litre water, carbon dioxide gas fire extinguisher manufactured to BS EN 3-9:2006, Bs 7863:2009, BS 5306-4:2001and the cylinder manufactured to BS 5045 complete with the following:				
A	Charge and fixing bracketCharge and fixing bracket;Pictorial instructions;Colour code;Servicable on site; discharge horn and hose;Brass hot stamping;Operating valve;Local Fire Brigade approval	NO	2		
B	Ditto but powder fire extinguishers	NO	2		
C	Ditto fire blanket 6' x 4' container	NO	2		
D	Supply and fix 450mm diameter extructor fan in the battery room	NO	1		
	Total to this page 9 and carried to Summary page				

Item	Description	Unit	Qty	Rate	Amount (Kshs)
	ELEMENT No.9				
	STORM WATER DRAINS (All Provisional)				
A	Excavate on site drain trench not exceeding 1.0m deep including plunking and strutting, disposal of spoil to receive drainage channels(m.s) and forming sloping sides in well compacted murram bed to receive side slabs(m.s)	LM	80		
B	Lay (300x450)mm precast concrete invert block drains to suitable fall with grooved edges and tongued, joints filled with cement/sand mortar (1:3) and laid on 75mm concrete bed and terminating into storm outlets	LM	80		
C	Lay on sides of sloped trench (600x300x50mm) precast concrete slabs jointed in 1:3 mortar	SM	96		
	ELEMENT No.10				
	CHAINKLNK FENCE				
A	Carefully demolish the existing Barbed wire fence, 2nos. grilled steel gates hand over the recoverables to KPLC and cart away the debris.	LM	110		
B	2.4m high x12.5 gauge chainlink fence, complete with 4mm diameter 5 strands of galvanized plain wire passing through 2.4m high 150x150 cranked precast reinforced concrete posts, placed at 2.5m centers, including 12 gauge barbed wire on the 450mm cranked ends.	LM	100		
	ELEMENT No.11				
	PIT LATRINE				
	Substructures				
	Excavation				
A	Site excavate for latrine pit size (1200x700)mm commencing from existing ground level, not exceeding 1.5m deep including for foundation strip.	CM	7		
B	Excavate exceeding 1.5m deep and not exceeding 3m deep	CM	1		
C	Excavate 3m deep to 4.5m deep	CM	1		
D	Excavate from 4.5m to 6m deep	CM	1		
E	Excavate from 6m deep to 7.5 m deep	CM	1		
F	Excavate from 7.5m deep to 9m deep	CM	2		
G	Excavate from 9m deep to 10.5m deep	CM	2		
H	Extra over excavation in rock at any depth	CM	6		
I	Remove surplus soil from site to a place approved by local authority	CM	15		
	Mass concrete mix (1:4:8) in				
J	50mm thick blinding under strip foundations	SM	4		
	Vibrated reinforced insitu concrete class 20/20; with minimum cube crushing strength of 20N/mm at 28 days; in				
K	Strip foundations 250mm thick	CM	1		
	150mm thick ground floor slab	SM	5		
	Total to this page 10 and carried to Summary page				

Item	Description	Unit	Qty	Rate	Amount (Kshs)
	Supply and fix steel bar in structural concrete work including cutting, bending, hoisting, tying wire, spacer blocks and supporting all in position:				
L	10mm bars in floor slab @ 200 c/c both ways T&B.	KG	77		
	Mesh fabric reinforcement				
M	Mesh reinforcement No. A142 size 200 x 200mm weighing 2.22 kg per square meter; in floor slab; including all necessary supports	SM	5		
	Sawn formwork to:				
N	Edges: slabs 75 - 150mm girth	LM	9		
O	Vertical sides; strip footing; 200mm high	LM	9		
	Walls				
P	200mm thick natural coral stone foundation walls; machine dressed square; bedded and jointed in cement and sand (1:4) mortar; reinforced with 20SWG Hoop Iron in every alternate course	SM	14		
	Anti-termite treatment				
Q	Approved anti-termite chemical treatment; applied by approved professional pest control specialist; applied strictly in accordance with the manufacturers' instructions; ten(10) year guarantee	SM	3		
	DPM				
R	Guage 1000 polythene damp proof membrane	SM	5		
	25mm thick cement/sand (1:4) rendering; on concrete or stonework; wood float finished to;				
S	Plinths ; externally	SM	5		
	Prepare surfaces and apply undercoat and two finishing coats black bitumastic or other equal approved water resistant paint on rendered surfaces to:				
T	Plinths: externally	SM	5		
	R.C SUPERSTRUCTURE				
	Sawn formwork to				
U	Sides and soffits beams	SM	6		
	Supply and fix square twisted steel bars in structural concrete work including cutting, bending, hoisting, tie wire, spacer blocks and supporting all in position				
V	8mm bars	SM	24		
X	12mm bars	SM	47		
	Vibrated reinforced insitu concrete class 20/20; with minimum cube crushing strength of 20N/mm sq. at 28 days; in				
Y	Ring beams	SM	1		
	WALLS				
	External Walls				
	Machine dressed natural stone walling bedded in cement/sand mortar(1:4) with minimum stone crushing strength of 7N/mm2; reinforced with 20SWG Hoop Iron in every alternate course				
	Total to this page 11 and carried to Summary page				

Item	Description	Unit	Qty	Rate	Amount (Kshs)
Z	200mm thick walls	SM	21		
A1	Extra over external walling for horizontal pointing	SM	21		
	Bituminous felt or other equal approved damp proof course; in cement/sand (1:3) mortar				
B1	200mm wide	SM	2		
C1	Make holes on 100mm thick concrete slab for 150mm diameter PVC pipe	NO	1		
D1	Provide and fix 100mm thick PVC vent with cap average length 3m	LM	3		
	ROOF				
	The following in 4 No. purlins; steel structural roof; spanning 3.2m; hoisted to a height of approximately 2.4m from ground level				
E1	150 x 50 x 2mm Z purlins bedded in masonry wall with cement sand mortar	LM	15		
F1	Drill holes in steel members for 12mm bolts in Z purlins	NO	23		
G1	12mm bolts	NO	23		
H1	Supply and fix 24g mild steel trough roofing sheets type LT5; factory prepainted to approved standard colour; laid with 150mm end lap and 94mm side laps; fixed to metal purlins including hook bolts, washers and nuts at 1000mm centres	SM	12		
I1	Ditto cladding sheets to an approved colour laid with 94mm side laps fixed to 1000mm high steel fascia cladding frame including 'J' bolts washers, nuts and rubber caps, including underside of cladding 500mm wide, 14gauge galvinized gutters and 100mm dia. down pipe well secured.	SM	14		
	OPENINGS				
	Concrete Louvres				
J1	150 x150 x 150mm concrete louvre blocks fixed with cement sand mortar (1:3)	SM	2		
	Window Cill				
K1	Supply and fix clay window cills; bedded and jointed in cement/sand (1:3) mortar; pointed in matching coloured cement to windows	LM	6		
	DOORS				
L1	16 gauge Mild steel door size 965 x 2100 mm 50x50x4mm and shutter complete with all iron mongery	NO	2		
	Iron mongery				
M1	**Supply and fix "Assa Abloy" or equal approved iron mongery; matching screws; locks to include a set of 3 keys; available from their authorised local dealers to approval**				
N1	100mm mild steel butt hinges	NO	7		
O1	3 lever steel casement rebated door lock with handles	NO	2		
	Prepare surfaces,three coats gloss oil paint to metal surfaces				
P1	Doors internally	SM	2		
Q1	Doors externally	SM	2		
	Total to this page 12 and carried to Summary page				

Item	Description	Unit	Qty	Rate	Amount (Kshs)
	FINISHES				
	Floor Finishes				
	Screed; cement/sand (1:3) on concrete				
R1	30mm thick to receive floor tiles	SM	5		
	Supply and fix coloured ceramic floor tiles on screed; joints pointed in matching cement grout to approval				
S1	300 x300 x 10mm thick tiles	SM	5		
	WALLING				
	Plaster; 13mm cement/lime putty/sand; steel trowelled; on masonry and concrete to				
T1	Walls and concrete surfaces	SM	6		
	Prepare surfaces; apply three coats First grade vinyl emulsion paint or other equal approved; on steel trowelled plaster to:				
U1	Walls and concrete surfaces	SM	6		
	Backing: 10mm cement/sand (1:4); on masonry or concrete ; wood float finished to				
V1	Walls to receive ceramic tiles	SM	23		
	Supply and fix coloured glazed ceramic wall tiles; on backing; joints pointed in matching cement grout				
W1	300 x 300 x 10mm thick tiles	LM	23		
X1	300 x 50 x10mm thick border tile	LM	14		
Y1	Supply and fix matching pvc tile strip to tile edges	LM	56		
	Plaster; 13mm cement/lime putty/sand; wood float; on masonry and concrete to				
Z1	Walls and concrete surfaces; externally	SM	5		
	Prepare surfaces; apply three coats First grade vinyl emulsion paint or other equal approved; on wood float plaster to:				
A2	Walls and concrete surfaces	SM	6		
	Concrete paving Slabs				
B2	600x600x50mm thick precast paving blocks embeded on well compacted 50mm murram, jointed with cement/sand mortar (1:4)	SM	120		
	Ceilling Finishes				
C2	Supply and fix 12mm thick pvc ceiling including conices and supporting all in position	SM	5		
	ELECTRICAL INSTALLATION WORKS				
D2	Allow for Electrical installation to be carried out by a nominated sub-contractor as per Electrical drawing-lump sum and to comprise of the following, 1No. approved double socket outlets, 1no. approved complete ligths & 2No. security lights, approved switches and Approved standard wiring cables and any other necessary fittings.	ITEM	1		
E2	Allow for kplc PM, PE R.E/Project Supervisor on communication, project updates facilitation including data processing and print provisional ksh. 800,000 within the entire project period and necessary mark-ups	ITEM	1		
	Total to this page 13 and carried to Summary page				

Item	Description	Unit	Qty	Rate	Amount (Kshs)
	ELEMENT 12; GUARD HOUSE				
	SUBSTRUCTURES				
	Excavation				
A	Site excavate to reduce levels commencing from existing ground level;150mm deep and not exceeding 1.5m deep;	SM	7		
B	Excavate for strip foundation trench, commencing reduced level ; not exceeding 1.5m deep	CM	6		
C	Remove surplus soil from site to a place approved by local authority	CM	7		
	Mass concrete mix (1:4:8) in				
D	50mm thick blinding under strip foundations	SM	5		
	Vibrated reinforced insitu concrete class 20/20; with minimum cube crushing strength of 20N/mm2 at 28 days; in				
E	150mm thick ground floor slab	CM	1		
F	Strip foundations	CM	1		
	Supply and fix steel bar in structural concrete work including cutting, bending, hoisting, tying wire, spacer blocks and supporting all in position:				
G	8mm bars	KG	17		
H	12mm bars	KG	29		
	Mesh fabric reinforcement				
I	Mesh reinforcement No. A142 size 200 x 200mm weighing 2.22 kg per square meter; in floor slab; including all necessary supports	SM	5		
	Sawn formwork to:				
J	Edges: slabs 75 - 150mm girth	LM	9		
K	Vertical sides; strip footing; 200mm high	SM	5		
	Walls				
L	200mm thick natural coral stone foundation walls; machine dressed square; bedded and jointed in cement and sand (1:4) mortar; reinforced with 20SWG Hoop Iron in every alternate course	SM	8		
	Hardcore				
M	300mm thick hardcore of approved inert material; well watered and compacted in 150mm thick (maximum) layers	CM	2		
	Blinding				
N	50mm thick approved quality murram blinding to surfaces of hardcore	SM	5		
	Anti-termite treatment				
O	Approved anti-termite chemical treatment; applied by approved professional pest control specialist; applied strictly in accordance with the manufacturers' instructions; ten(10) year guarantee	SM	5		
	DPM				
P	Guage 1000 polythene damp proof membrane	SM	5		
	Total to this page 14 and carried to Summary page				



Item	Description	Unit	Qty	Rate	Amount (Kshs)
	25mm thick cement/sand (1:4) rendering; on concrete or stonework; wood float finished to				
Q	Plinths ; externally	SM	5		
	Prepare surfaces and apply undercoat and two finishing coats black bitumastic or other equal approved water resistant paint on rendered surfaces to:				
R	Plinths: externally	SM	5		
	R.C SUPERSTRUCTURE				
	Sawn formwork to				
S	Sides and soffits beams	SM	5		
T	Bench slab	SM	1		
	Supply and fix square twisted steel bars in structural concrete work including cutting, bending, hoisting, tie wire, spacer blocks and supporting all in position				
U	8mm bars	KG	18		
V	12mm bars	KG	38		
	Vibrated reinforced insitu concrete class 20/20; with minimum cube crushing strength of 20N/mm2 at 28 days; in				
W	Ring beam	CM	1		
X	Bench slab	CM	1		
	WALLS				
	External Walls				
	Machine dressed natural stone walling bedded in cement/sand mortar(1:4) with minimum stone crushing strength of 7N/mm2; reinforced with 20SWG Hoop Iron in every alternate course				
Y	200mm thick walls	SM	21		
Z	Extra over external walling for horizontal pointing	SM	21		
	Bituminous felt or other equal approved damp proof course; in cement/sand (1:3) mortar				
A1	200mm wide	SM	2		
	ROOF				
	The following in 4 No. purlins; steel structural roof; spanning 3.2m; hoisted to a height of approximately 2.4m from ground level				
B1	150 x 50 x 2mm Z purlins bedded in masonry wall with cement sand mortar	LM	15		
C1	Drill holes in steel members for 12mm Diameter bolts in Z purlins	NO	23		
D1	12mm Diameter bolts	NO	23		
	Total to this page 15 and carried to Summary page				

Item	Description	Unit	Qty	Rate	Amount (Kshs)
E1	Supply and fix 24g mild steel trough roofing sheets type LT5; factory prepainted to approved standard colour; laid with 150mm end lap and 94mm side laps; fixed to metal purlins including hook bolts, washers and nuts at 1000mm centres	SM	12		
F1	Ditto cladding sheets to an approved colour laid with 94mm side laps fixed to 1000mm high steel fascia cladding frame including 'J' bolts washers, nuts and rubber caps, including underside of cladding 500mm wide, 14gauge galvinized gutters and 100mm dia. down pipe well secured.	SM	14		
	OPENINGS				
	Windows				
	Mild steel casement windows ; fixed panes; custom made; sections to drawings and with approved ironmongery; sections divided with 25 x25 x 3mm thick RHS welded onto main frame 40 x 25 x 3mm RHS;				
G1	Ditto but 900 x 1200mm high	NO	5		
	Window Cill				
H1	Supply and fix clay window cills; bedded and jointed in cement/sand (1:3) mortar; pointed in matching coloured cement to windows	LM	6		
	DOORS				
I1	16 gauge Mild steel door size 965 x 2100 mm 50x50x4mm and shutter complete with all iron mongery	NO	1		
	Iron mongery				
	Supply and fix "Assa Abloy" or equal approved iron mongery; matching screws; locks to include a set of 3 keys; available from their authorised local dealers to approval				
J1	100mm mild steel butt hinges	NO	3		
K1	3 lever steel casement rebated door lock with handles	NO	1		
	Prepare surfaces, three coats gloss oil paint to metal surfaces				
L1	Doors internally	SM	2		
M1	Doors externally	SM	2		
	FINISHES				
	FLOOR FINISHES				
	Screed; cement/sand (1:3) on concrete				
N1	30mm thick to receive floor tiles	SM	5		
	Supply and fix coloured ceramic floor tiles on screed; joints pointed in matching cement grout to approval				
O1	300 x300 x 10mm thick tiles	SM	5		
	WALLING				
	Plaster; 13mm cement/lime putty/sand; steel trowelled; on masonry and concrete to				
P1	Walls and concrete surfaces	SM	5		
	Total to this page 16 and carried to Summary page				



Item	Description	Unit	Qty	Rate	Amount (Kshs)
	Prepare surfaces; apply three coats First grade vinyl emulsion paint or other equal approved; on steel trowelled plaster to:				
Q1	Walls and concrete surfaces	SM	5		
	Backing: 10mm cement/sand (1:4); on masonry or concrete ; wood float finished to				
R1	Walls to receive ceramic tiles	SM	18		
	Supply and fix coloured glazed ceramic wall tiles; on backing; joints pointed in matching cement grout				
S1	300 x 300 x 10mm thick tiles	SM	18		
T1	300 x 50 x10mm thick border tile	LM	9		
U1	Supply and fix matching pvc tile strip to tile edges	LM	36		
	Plaster; 13mm cement/lime putty/sand; wood float; on masonry and concrete to				
V1	Walls and concrete surfaces; externally	SM	6		
	Prepare surfaces; apply three coats First grade vinyl emulsion paint or other equal approved; on wood float plaster to:				
W1	Walls and concrete surfaces	SM	7		
	Ceilling Finishes				
X1	Supply and fix 12mm thick 'celotex' softboard ceiling including conice, supporting all in position and apply three coats First grade vinyl emulsion paint or other equal approved	SM	5		
	ELECTRICAL INSTALLATION WORKS				
Y1	Allow for Electrical installation to be carried out by a nominated sub-contractor as per Electrical drawing-lump sum and to comprise of the following, 1No. approved double socket outlets, 1no. approved complete flourescent ligths 30watts, 600mm long & 2No. security lights, approved switches and Approved standard wiring cables and any other necessary fittings.	ITEM	1		
	Total to this page 17 and carried to Summary page				

	SUMMARY PAGE.				
	TOTAL FROM PAGE 1				
	TOTAL FROM PAGE 2				
	TOTAL FROM PAGE 3				
	TOTAL FROM PAGE 4				
	TOTAL FROM PAGE 5				
	TOTAL FROM PAGE 6				
	TOTAL FROM PAGE 7				
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	TOTAL FROM PAGE 12				
	TOTAL FROM PAGE 13				
	TOTAL FROM PAGE 14				
	TOTAL FROM PAGE 15				
	TOTAL FROM PAGE 16				
	TOTAL FROM PAGE 17				
	SUB TOTAL				
	16%VAT				
	GRAND TOTAL (CONTRACT SUM)				
	AMOUNT IN WORDS				
	COMPANY STAMP				
	SIGN:				
	NAME & ADDRESS:				
	CONTRACT PERIOD: (20 WEEKS)				