MEASURED WORKS

NO.	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	HEADQUATERS BUNYALA SUB-COUNTY				
	ELEMENT NO. 1				
	SUB-STRUCTURE (ALL PROVISIONAL)				
	Site Clearance				
A	Clear the site off grass, shrubs and all vegatation and burn.	412	sm		
B	Escavate vegetable soil average 200mm deep and cart away as directed.	412	sm		
	Excavation				
C	Excavate for strip foundation starting from reduced level not exceeding 1.50m deep.	9	cm		
D	Extra over excavation for excavating in rock (**class I**)	2	cm		
E	Return, fil-in and rum selected excavated material.	6	cm		
F	Load and cart away from site surplus excavated material as directed.	5	cm		
	Disposal of water				
G	Keeping all excavations free from all water including spring or running water.		Item		
	Planking and strutting.				
H	Uphold the sides of all excavations.		Item		
	Filling				
J	Hard core filling in making up levels exceeding 300mm thick, depositing and compacting in layers of 150mm maximum thickness.	12	sm		
K	50mm thick murram blinding to surfaces of fill.	12	sm		
	Antitermite treatment				
L	TERMIDOR or other equal and approved insecticide with a ten-year guarantee to surfaces of fill and tops of foundation.	12	sm		
	Total Carried to Collection				

NO.	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	Concrete				
A	50mm thick mass concrete class P (1:4:8) to bottoms of foundations.	7	sm		
	Insitu concrete, reinforced, class 20/20mm vibrated.				
B	150mm Thick surface bed.	12	sm		
	Fabric: B.S. 4483				
C	Reference A142 mesh 200x200mm, weighing not less than 2.22kgs per square metre (measured net-n0 allowance made for laps) including tying wire and distance blocks.	12	sm		
	Sawn formwork to insitu concerte as described:-				
D	To sides, vertical or battering of strip foundations.	7	sm		
E	Edges of ground floor slabs: 75 to 150mm wide.	12	Lm		
	Walling				
F	200mm thick approved local natural stone roughly squared to foundation walling, bedding and jointing in cement sand (1:4) mortar.	15	sm		
	Damp Proffing				
G	Polythene 500 gauge, 150mm laps (no allaowance made to laps), horizontal, 1 No. laid on murram blinding.	12	sm		
H	200mm wide B.S. 743 Type A bitumen hessian base 150mm lap (no allowance made for laps),horizontal, 1 No. layer bedded in cement sand (1:3) mortar.	12	Lm		
	PAVING SLABS				
J	600x600x50mm Thick pre-cast concrete (1:2:4) slabs laid on and including 50mm consolidated sand, jointed and pointed in cement and sand (1:4) mortar.	164	sm		
	Total Carried to Collection				

NO.	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	COLLECTION Carried from page DCC/1…… Carried from page DCC/2……				
	TOTAL CARRIED TO SUMMARY OF ELEMENTS				

NO.	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	ELEMENT NO. 2				
	ROOFING				
	DEMOLITIONS				
	Carefully demolish the existing roof comprising of iron sheets on timber purlins.	1125	sm		
	Roofing Sheets.				
A	IT4 28gauge Prepainted roofing sheets fixed to 75x50mm timber purlins (m/s) approved.	1125	sm		
	Acessories, fixing as necessary to roof				
B	Ridge and hip	56	Lm		
C	Extra, filling ends of ridge or hip.	2	No		
	CARPENRTY				
	The following in sawn celcured cypress (second grade)				
J	75x50mm sawn cypress purlins.	1299	Lm		
	Glazing.				
C	4mm Thick tinted and coured glass in panes 0.1-0.5m^2 with and including metal putty	20	sm		
	Curtain Truck (24 NO)				
D	Brass-I-section curtain truck complete with rollers, end stops hooks and rings.	60	Lm		
	Window cills:				
E	45mm Thick (mean), 280mm wide pre-cast concrete (1:2:4) window cills once weathered and throated.	60	Lm		
	Total Carried to Collection				

NO.	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	ELEMENT NO. 3				
	FINISHES & PAINTING				
	Wall finishes				
	Painting and decorations				
	Prepare and apply three coats of first quality plastic emulsion paint to: -				
A	Plastered walls and beams	1876	sm		
B	Ditto ceiling	740	sm		
	Ceiling				
B	9mm Thick plain chipboard ceiling lining on timber brandering (s.m)	740	sm		
C	Extra over ditto in trap door overall size 800x800mm complete with frame and hinges.	4	No		
D	75x75mm covetto cornice plugged.	585	Lm		
	Brandering				
E	75x50mm cypress timber cut in flush between tie beams (m.s)	540	Lm		
F	50x50mm Ditto plugged.	500	Lm		
	Floor finishes				
D	24mm thick cement and sand (1:4) screed trowelled hard and rough to receive tilling finish (m.s).	740	sm		
E	300x300x6mm thick ceramic floor tiles with and including cement grout.	740	sm		
F	6x100mm high floor skirting	530	Lm		
	Carried to Collection				

NO.	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	ELEMENT NO. 4				
	PAINTING & DECORATING				
	Prepare and apply one undercoat and two finishing coats of plastic emulsion paint on:-				
A	Rendered walls externally.	1544	sm		
B	Plastered walls internally.	2592	sm		
	Ditto but internally on ceiling	740	sm		
	Knot, prime, stop, prepare and apply one undercoat and two finishing coats of gloss oil paint on wood work:-				
C	Surfaces of doors externally.	60	sm		
D	Ditto internally.	60	sm		
	TOTAL CARRIED TO SUMMARY OF ELEMENTS.				

ITEM	*DESCRIPTION*		*KSH*
	SUMMARY OF ELEMENTS.		
1	Sub-structure……..……DCC/3		
2	Roof……DCC/4		
3	Finishes……..…..……DCC/5		
4	Painting and decorations……DCC/6		
	TOTAL CARRIED TO GRAND SUMMARY		

PIT LATRINE

NO.	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	BILL NO.1				
	3 DOOR PIT LATRINE				
	ELEMENT NO. 1				
	SUB-STRUCTURE (ALL PROVISIONAL)				
	Excavation and Earthworks				
A	Excavate oversite to remove vegetable top soil mean depth 200mm load and spread on site to make up levels.	27	sm		
B	Excavate in normal soil for strip foundation trench starting from stripped level but not exceeding 1.50m deep.	20	cm		
C	Ditto but for pit ditto.	3	cm		
D	Ditto 1.5-3.0m deep.	3	cm		
E	Ditto 3.0-4.5m deep.	3	cm		
F	Ditto 4.5-6.0m deep.	2	cm		
G	Extra over excavation for excavating in hard rock irrespective of depths.	3	cm		
H	Return, fill in and ram selected excavated materials around foundations.	6	cm		
J	Load and spread on site surplus excavated materials to make up levels around site pricincts not exceeding 100mm diameter	26	cm		
	CONCRETE WORKS				
	Plain concrete (1:4:8) in:-				
K	50mm Thick (mean) blinding under strip foundation.	11	sm		
L	Ditto under underground slab.	2	sm		
	Vibrated reinforrced concrete (1:2:4) 20/20mm aggregate in:-				
M	Strip foundation and beams.	2	cm		
N	150mm Thick surface bed.	3	cm		
P	200mm Thick underground bed.	1	cm		
	Total Carried to Collection				

NO.	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	High tensile square twisted bars to B.S 4461 with and including descaling, cutting, binding wire and spacer blocks.				
A	8mm Diameter bars	16	KG		
B	10mm Ditto	120	KG		
C	12mm Ditto	146	KG		
D	B.R.C mesh ref. No. A142.	17	sm		
	Sawn form work to				
E	Soffites of suspended slab left in.	2	sm		
F	Edges of surface bed girth 150-225mm	15	Lm		
G	Extra over box form work size 250x150mm thick slab (m.s)	3	No		
H	Sides and soffites of beams and tie beams.	3	sm		
	Walling:-				
J	150mm Thick natural hand dressed natural stone walling in cement and sand (1:4) mortar reinforced with and including 20SWGx19mm wide hoop iron in every second alternate course in pit under ground	34	sm		
K	ditto in foundation walling underground.	37	sm		
L	300mm Thick approved hard-core filling.	12	sm		
M	50mm Thick murram blinding to top of hardcore (m.s).	12	sm		
N	Treat surface of hardcore with an approved anti-termite solution strictly to manufactureres printed instruction.	17	sm		
P	500 Gauge black polythene paper as damp proof membrane.	17	sm		
	Total Carried to Collection				

NO.	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	Plinth				
A	15mm Thick two coats render finished with a wooden float.	7	sm		
B	Prepare and apply three coats of black bituminous paint to rendered plinth walls externally.	7	sm		
	Total Carried to Collection				
	COLLECTION				
	Brought from page PL/1……				
	Brought from page PL/2…….				
	Brought from page above……				
	TOTAL CARRIED TO SUMMARY OF ELEMENTS				

NO.	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	ELEMENT NO. 2				
	WALLING				
	Damp proofing.				
A	150mm wide black bituminous damp proof course.	18	Lm		
B	100mm Ditto.	3	Lm		
C	150mm Thick well baked clay bricks as before described externally.	19	sm		
D	Ditto internally.	13	sm		
E	100mm Ditto.	7	sm		
F	150mm Thick walling as before described in sreen wall etxernally.	10	sm		
G	45mm Thick (mean), 280mm wide pre-cast concrete (1:2:4) copping once throated and weathered jointed in cement and sand (1:4) mortar.	0	Lm		
H	150mm wide bituminous damp proofing.	0	Lm		
	Vibrated reinforced concrete (1:2:4) 20/20 mm aggregate in:-				
J	Ring beam and tie beams.	2	cm		
	Reinforcement				
	High tensile square twisted bars to B.S 4461 as before described.				
K	8mm Diameter bars.	17	Kg		
L	10mm Ditto.	30	Kg		
	Sawn form work to:-				
M	Sides of ring beam and tie beams.	7	sm		
N	Soffites of ditto at openings	2	sm		
	TOTAL CARRIED TO SUMMARY OF ELEMENTS				

NO.	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	ELEMENT NO. 3				
	ROOF: Construction				
	All in well seasoned and treated cypress grade II timber (Pitch angle=22.5^0)				
A	100x50mm wall plate secured with and including medium gauge hoop iron at 1200mm (max) centres.	7	Lm		
B	100x50mm Tie beam.	12	Lm		
C	Ditto Rafters.	18	Lm		
D	75x50mm Kingpost.	4	Lm		
E	Ditto Tie and struts.	9	Lm		
F	Ditto Purlins.	25	Lm		
	Wrot Cypress				
G	200x25mm Fascia board.	7	Lm		
H	Ditto verge board.	18	Lm		
	Cover				
J	30 Gauge-IT-4 pre-painted iron sheets on purlins (m.s)	19	sm		
K	Matching ridge cover.	5	Lm		
	TOTAL CARRIED SUMMARY OF ELEMENTS				

NO.	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	ELEMENT NO. 4				
	DOORS (All in wrot grade II timber)				
A	45mm Thick ledged braced and match boarded door overall size 820x2030mm high consisting of 95x20mm bottom middle, top rails bracing, 95x25mm tongued and grooved boarding to approval.	3	NO		
B	95x45mm once rebated door frames.	20	Lm		
C	45x20 mm Architrave.	20	Lm		
D	20mm Quadrant.	20	Lm		
	Iron mongery				
E	100mm pressed steel butt hinges	6	PRS		
F	12mm Diameter, 150mm Pad bolt.	3	NO		
G	10mm Diameter 100mm Barel bolt	3	NO		
H	Approved mild steel door cramps.	30	NO		
J	32mm Diameter rubber door stop.	3	NO		
	TOTAL CARRIED T SUMMARY OF ELEMENTS				

NO.	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	ELEMENT NO. 5				
	FINISHES				
	Ventilation				
A	100mm Diameter, 400mm long 'uPVC' grey pipe with and including fly screen and vent cowl.	1	NO		
	Floors				
B	30mm Thick cement and sand (1:3) screed trowelled hard and smooth to receive floor tiles.	15	sm		
	Walls				
C	15mm Thick two coats of cement and sand (1:4) render to walls externally.	19	sm		
D	Ditto but gauged plaster (1:1:6) to walls internally.	53	sm		
E	Render (1:4) to screen walls externally.	20	sm		
F	300 x 300mm ceramic floor tiles as saj or equivalent	5	lm		
G	250x200x6mm thick wall tiles	6	sm		
H	Ditto to corners.	20	Lm		
	TOTAL CARRIED TO SUMMARY OF ELEMENTS				

NO.	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	ELEMENT NO. 6				
	PAINTING & DECORATING				
	Prepare and apply one undercoat and two finishing coats of plastic emulsion paint on:-				
A	Rendered walls externally.	39	sm		
B	Plastered walls internally.	53	sm		
	Knot, prime, stop, prepare and apply one undercoat and two finishing coats of gloss oil paint on wood work:-				
C	Surfaces of doors externally.	5	sm		
D	Ditto internally.	5	sm		
E	Surfaces of 0-100mm girth.	39	Lm		
F	Ditto 100-200mm girth	20	Lm		
G	Ditto 200-300mm girth	16	Lm		
	TOTAL CARRIED TO SUMMARY OF ELEMENTS.				

NO.	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	SUMMARY OF ELEMENTS.				
1	Sub-structure……..……PL/3				
2	Walling……..…PL/4				
3	Roof…….……..……PL/5				
4	Doors……...…..……PL/6				
5	Finishes……..……..……..…PL/7				
6	Painting & Decorating……..……PL/8				
	TOTAL CARRIED TO GRAND SUMMARY				

NO.	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	LANDSCAPING				
A	Mass excavation to reduce levels in normal soil.	210	cm		
B	Load and cart away excavated soil to a distance not exceeding 100m diameter within site pricints.	210	cm		
C	Approved hardcore,handpacked,watered and compacted to 95% M.D.D to receive paving blocks (m.s)	210	cm		
D	50mm Thick approved consolidated sand to top of hardcore (m.s).	500	sm		
E	60mm Thick heavy duty interlocking 'cabro' blocks with aminimum strenght of 45-50N/mm2.	500	sm		
F	Excavate for kerbs, provide and place 250 x 125 mm class 25/20precast concrete raised or ramped kerbs haunched in 100 mm thick class 15/20 concrete base bedding and mortar joined in support to cabro stones (ms)				
	(a) Straight kerbs.	70	m		
	(b) Kerbs radius: 12 m-6 m.	10	m		
	(c) Ditto but radius: 5 m-1 m.	0	m		
G	**Ditto F. but 100 x 125 mm flush kerbs**				
	(a) Straight kerbs.	70	m		
	(b) Kerbs radius 12 m-6 m.	10	m		
	(c) Ditto but dadius 5 m-1 m.	0	m		
	TOTAL CARRIED TO GRAND SUMMARY				

ITEM	DESCRIPTION	SHS
	PRIME COSTS & PROVISIONAL SUMS	
A	Allow for approvisonal sum of Kenya shillings two hundred thousand only (ksh.200,000.00) only for Contigencies.	
B	Allow for aprovisonal sum of Kenya shillings three hundred and fifty thousand(ksh.350,000.00) only for Project management for Public Works	
C	Allow for aprovisonal sum of Kenya shillings two hundred and ten thousand (ksh.200,000.00) only for PMC and administrative cost	
D	Allow for approvisonal sum of Kenya shillings one hundred thousand only (ksh.100,000.00) only for mechanical works.	
E	Allow for approvisonal sum of Kenya shillings one hundred thousand only (ksh.100,000.00) only for electrical.	
F	Allow for approvisonal sum of Kenya shillings five hundred thousand only (ksh.500,000.00) only for dry partitions.	
G	Allow for approvisonal sum of Kenya shillings five hundred thousand only (ksh.500,000.00) only for 4 ten thousand Plastic water tanks on masonry bases and one five thousand Plastic water tank on steel tower all as rotto or equivalent	
H	Allow for approvisonal sum of Kenya shillings fifty thousand only (ksh.50,000.00) only for but control.	
	TOTAL CARRIED TO GRAND SUMMARY	

GRAND SUMMARY				
		TENDER'S USE		OFFICIAL USE
ITEM	DESCRIPTION	SHS	CTS	SHS
1	Preliminaries…….....Page 74			
2	DCC RENOVATIONS……DCC/7			
	PIT LATRINE……PL/9			
	LANDSCAPING…….CABRO 1			
3	Prime-cost & Provisional sums……..PS/1			
	0.03 % PROCUREMENT LEVY ESTIMATE			
	TOTAL CARRIED TO FORM OF TENDER			
	Prices inclusive of all taxes Amount in words:Kenya ……. BIDDER'S NAME ……..…… ADRESS :……..…….…… SIGNATURE:…… DATE:……...……			