



The National Government Constituencies Development Fund

(NG-CDF)

NG-CDF MALAVA CONSTITUENCY

**PROPOSED CONSTRUCTION OF 1 STOREY OF EIGHT
CLASSROOMS AT KENYA MEDICAL TRAINING COLLEGE**

TENDER NO:.....

BILLS OF QUANTITIES



FEBRUARY, 2023

PROPOSED 1 STOREY OF 8 CLASSROOMS AT KMTC COLLEGE

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>BILL NO 2</u>				
	<u>SUBSTRUCTURE(ALL PROVISIONAL)</u>				
	<u>EXCAVATION AND EARTHWORKS</u>				
	<u>SITE PREPARATION</u>				
	clearing site vegetation, grubbing up roots and filling up voids left with selected excavated material				
A	Bushes, shrubs ,undergrowth or the like and cart away from site	620	SM	100	62,000.00
					-
					-
	<u>EXCAVATION</u>				
B	excavating vegetable soil for preservation, average 200mm thick	445	SM	150	66,750.00
					-
					-
C	load up and store on site, later level and spread as directed on site and cart away surplus excavated material	190	CM	150	28,500.00
					-
					-
	<u>Excavating surface to reduce level</u>				
D	over 300mm deep	133	CM	200	26,600.00
					-
	Excavating trenches:to receive foundations starting from reduce level				
E	Not exceeding 1.50M deep	400	CM	700	280,000.00
					-
	Breaking out existing material;extra over all kinds of excavations irrespective of depth				
F	Rock irrespective of class	15	CM	1500	22,500.00
					-
G	Excavate pit for column bases starting from stripped level n.e 1.5 metres deep	222	CM	700	155,400.00
					-
H	Ditto exceeding 1.5M but not exceeding 3M deep	130	CM	700	91,000.00
					-
	Carried to collection page 5				732,750.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Disposal</u>				
A	Excavated material;backfilling depositing and compacting in layers maximum 150mm thick	600	CM	200	120,000.00
					-
B	Surplus excavated material;removing from site	300	CM	200	60,000.00
					-
	DISPOSAL OF WATER				-
C	Labour and materials;keeping excavation free from general water	1	ITEM	25000	25,000.00
					-
	PLANKING AND STRUTTING				-
D	Labour and materials ;to uphold sides of excavation generally	1	ITEM	20000	20,000.00
					-
	FILLING				-
	<u>Cutting and filling</u>				-
					-
E	Excavate material to make up levels depositing and compacting in layers maximum 150mm thick	80	CM	150	12,000.00
					-
	<u>Hardcore</u>				-
					-
F	300mm thick depositing and compacting layers maximum 150mm thick in making up levels	120	CM	1,500	180,000.00
					-
	<u>Murram</u>				-
					-
G	Blinding surface of fill 50mm thick	445	SM	250	111,250.00
					-
	ANTI-TERMITE AND HERBICIDE TREATMENT				-
					-
	<u>Applying "termidor 25 EC" Solution or other equal and approved sprayed evenly</u>				-
					-
H	To surface of fill and tops of foundation wall base	445	SM	200	89,000.00
					-
	carried to collection page 5				617,250.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>CONCRETE WORK</u>				-
	<u>INSITU CONCRETE;REINFORCEMENT</u>				-
A	Plain mix 1:4:8 in foundation strip blinding 50mm thick	130	SM	650	84,500.00
B	Ditto in column bases & retaining wall base	150	SM	650	97,500.00
C	Ditto mix 1:3:6 in steps	5	CM	8000	40,000.00
	<u>Normal :class 20/20mm):vibrated (1:2:4)</u>				-
D	foundation strips irrespective of thickness	26	CM	14,000	364,000.00
E	Column Bases	47	CM	14000	658,000.00
F	Columns generally	15	CM	14000	210,000.00
G	vibrated floor beds 150mm thick	445	SM	2000	890,000.00
	<u>REINFORCEMENT</u>				-
	<u>Bars :high tensile steel;cold worked;</u>				-
	<u>BS 4461 including bends,hooks,tying wire,</u>				-
	<u>distance blocks and spacers</u>				-
H	8mm diameter bars in any location	850	KG	160	136,000.00
I	Ditto 10mm	450	KG	160	72,000.00
J	12 diameter;in any location	500	KG	160	80,000.00
K	Ditto 16mm	3000	KG	160	480,000.00
	<u>Fabric;B.S 4483</u>				-
L	Reference A142 mesh 200x200mm weight 2.22kgs per square meter(measured net-no allowance made for laps);including bends,tying wire and distance blocks in any location	445	SM	500	222,500.00
	carried to collection page 5				3,112,500.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SAWN FORMWORK TO INSITU CONCRETE</u>				-
A	Edges of floor bed 75 to 150mm wide	160	LM	100	16,000.00
B	Sides of foundation strips and steps;horizontal	65	SM	400	26,000.00
C	Sides of vertical columns	250	SM	400	100,000.00
D	edges of column bases	154	SM	400	61,600.00
	<u>WALLING</u>				-
E	225mm thick approved local stone,roughly squared; bedding and jointing in cement mortar(1:4);reinforced with hoop iron gauge 500 in every alternate course	430	SM	1600	688,000.00
	<u>DAMP PROOF MEMBRANE</u>				-
	<u>Polythene;500 gauge ,150mm laps,no allowance made for laps</u>				-
F	Horizontal 1 no layer (s) over 300mm wide	445	SM	200	89,000.00
	<u>PLINTH FINISHES</u>				-
	<u>Render,cement and sand (1:4),wood floated</u>				-
G	12mm thick 2 no coat work ,to Stone walling or block (m/s),generally external	42	SM	350	14,700.00
H	Ditto 20 mm paving in steps finished smooth	42	SM	350	14,700.00
	<u>Painting 3 coats black bituminous paint to;</u>				-
I	Rendered surface external	42	SM	250	10,500.00
	carried to collection page 5				816,900.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PAVING SLAB AROUND THE STRUCTURE</u>				-
A	600mm wide cast in situ paving slab laid on murrum blinding in foundation depth 200mm deep	70	SM	600	42,000.00
	<u>ramp to be casted as per the direction of engineer</u>				-
B	Slab 150mm thick	150	SM	2000	300,000.00
C	Columns for ramp	3	CM	14000	42,000.00
D	base for ramp	8	CM	14000	112,000.00
E	Reinforcement bars	3500	KGS	160	560,000.00
F	Ballustrades/ballusters	1	ITEM	100,000	100,000.00
	<u>Expansion Joint</u>				-
G	12mm thick flexcell expansion joint lining	26.6	SM	500	13,300.00
	Carried to collection				1,169,300.00
	COLLECTION				
	Brought forward from page 1				732,750.00
	Brought forward from page 2				617,250.00
	Brought forward from page 3				3,112,500.00
	Brought forward from page 4				816,900.00
	Brought down from above				1,169,300.00
	TOTAL SUBSTRUCTURES CARRIED TO SUMMARY				6,448,700.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>WALLING</u>				
	<u>WALLING;NATURAL STONE WORK OR APPROVED</u>				
	<u>Approved Local stone:squared,fine chisel dressed one side bedding and jointing and recessed pointing one side in cement sand mortar(1:4) as work proceeds</u>				
A	Walls 200mm thick reinforced with hoop iron gauge 500 in every alternate course	240	SM	1600	384,000.00
					-
B	Labour and materials in eaves filling 200mm thick 250mm mean height	0	LM	0	-
					-
C	Raking cutting to 150mm thick walling	0	LM	0	-
					-
	<u>DAMP PROOF COURSE</u>				-
	<u>B.S 743 type A ,Bitumen hessian base 150mm laps no allowance made for laps</u>				-
					-
D	200mm wide,bedded in cement mortar(1:3)	150	LM	200	30,000.00
					-
	<u>Expansion Joint</u>				-
					-
E	12mm thick flexcell expansion joint lining	100	SM	500	50,000.00
					-
F	Ditto expansion sealler	22	LM	250	5,500.00
					-
					-
TOTAL GROUND FLOOR WALLING CARRIED TO SUMMARY					469,500.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>REINFORCED CONCRETE FRAME</u>				
	<u>CONCRETE WORK</u>				
	INSITU CONCRETE;REINFORCEMENT				
	<u>Normal:class 20/20mm vibrated</u>				
A	Beams	22	CM	14000	308,000.00
					-
B	columns	15	CM	14000	210,000.00
					-
C	Arches and sunbreakers generally	2	CM	14000	28,000.00
					-
D	150mm thick suspended slab	445	SM	2000	890,000.00
					-
E	Lab side benches and worktops	0	SM	0	-
					-
	<u>REINFORCEMENT</u>				-
	<u>Bars high yield steel:cold worked B.S 4461</u>				-
	<u>including bends,hooks,tying wire distance blocks</u>				-
	<u>and spacers</u>				-
					-
F	8 mm diameter,in any location	1700	KG	160	272,000.00
					-
G	10mm ditto	0	KG	0	-
					-
H	12mm ditto	4200	KG	160	672,000.00
					-
I	16mm ditto	2200	KG	160	352,000.00
					-
J	20mm ditto	1900	KG	160	304,000.00
					-
	Carried to collection page 9				3,036,000.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SAWN FORMWORK TO INSITU CONCRETE</u>				-
A	Horizontal soffites of suspended slab	445	SM	600	267,000.00
B	column sides,vertical or battering generally	250	SM	600	150,000.00
C	Sides and soffites of beams	295	SM	600	177,000.00
D	sides and soffitees of arches and sun breakers general	15	SM	600	9,000.00
E	Edges of floor bed 75 to 150mm wide	200	LM	200	40,000.00
F	props	6800	LM	100	680,000.00
	<u>STAIRS & BALUSTRADING</u>				-
	<u>Vibrated reinforcement</u>				-
	<u>class 20/20mm) aggregate as descibed</u>				-
G	Steps and risers	1.5	CM	14,000	21,000.00
H	150mm thick horizontal suspended landing	3	SM	2,000	6,000.00
I	Slopping waist 175mm thick	5	SM	1,900	9,500.00
	<u>Sawn formwork as described to horizzontal soffites of suspended</u>				-
J	Landing	3	SM	400	1,200.00
K	Slopping soffites of stair waist	5	SM	400	2,000.00
L	Edges of suspended landing 75-150mm high	5	LM	150	750.00
M	Slopping edge of staircase open string cut to profile of treads and risers 300mm maximum width	5	LM	150	750.00
N	Edges of risers 75-150mm high	30	LM	200	6,000.00
	Carried to collection page 9				1,370,200.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>BALUSTRADES</u>				
A	30X30X3mm thick square hollow section balusters welded to handrail on one side the other built in concrete including making good in cement and sand grout 300mm centres	80	LM	900	72,000.00
					-
					-
B	Make holes in reinforced concrete 30x30mm balusters	18	NO	100	1,800.00
C	30X30X3mm thick square hollow section Mild railing welded to 30x30x3mm thick baluster on both ends at 300mm centres	50	LM	800	40,000.00
					-
					-
D	100X25mm thick wrot hardwood handrail moulded and grooved and screwed to balusters and ends in concrete	16	LM	800	12,800.00
					-
E	Extra over railing for grouting ends into concrete	9	NO	100	900.00
F	Extra over Handrails for wreath	9	NO	100	900.00
					-
					-
	<u>PAINTING AND DECORATING</u>				
	<u>ONE UNDERCOAT TWO COATS OIL PAINTFULLGLOSS FINISH</u>				-
	<u>TO CROWN PAINTS OR EQUAL AND APPROVED</u>				-
G	Metal surfaces 100 to 200 mm girth	130	LM	200	26,000.00
					-
	<u>ONE UNDERCOAT TWO COATS POLYURETHANE VARNISH</u>				-
					-
H	Timber surfaces 100-200mm girth	16	LM	200	3,200.00
	Total Carried to collection				157,600.00
	<u>COLLECTION</u>				
	Brought forward from page 7				3,036,000.00
	Brought forward from page 8				1,370,200.00
	Brought down from above				157,600.00
	TOTAL FOR REINFORCED CONCRETE FRAME CARRIED TO SUMMARY				4,879,000.00

FIRST FLOOR

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>WALLING</u>				
	<u>WALLING;NATURAL STONE WORK OR APPROVED</u>				
	<u>Approved Local stone:squared,fine chisel dressed one side bedding and jointing and recessed pointing one side in cement sand mortar(1:4) as work proceeds</u>				
A	Walls 200mm thick reinforced with hoop iron gauge 500 in every alternate course	260	SM	1600	416,000.00 -
B	Labour and materials in eaves filling 200mm thick 250mm mean height	80	LM	250	20,000.00
C	Raking cutting to 150mm thick walling	50	LM	200	10,000.00
	<u>DAMP PROOF COURSE</u>				-
	<u>B.S 743 type A ,Bitumen hessian base 150mm laps no allowance made for laps</u>				-
D	200mm wide,bedded in cement mortar(1:3)	153	LM	200	30,600.00 -
E	Form or leave 250X250mm opening in 200mm walling	29	NO	100	2,900.00 -
F	225mmX225mm precast concrete permanent vent mosquito gauzed laid in cement sand 1:3 mortar	58	NO	200	11,600.00 - - -
	<u>GALVANISED STEEL PIPES (BLACK PIPE)</u>				-
G	75mm thick galvanised steel pipe to reinforce the verandah/roof 3000mm long complete with 150x150x3 mm ms plate and 50x50x100mm deep u plate	0	LM	0	- - -
	TOTAL F.F WALLING CARRIED TO SUMMARY				491,100.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ROOFING</u>				
	ROOF COVERING				
A	Gauge 30 GCI Sheets fixed to purlins.galsheet resincoat blue in colour box profile	553	SM	1000	553,000.00
					-
B	Gauge 30 G.I Ridge cap	55	LM	400	22,000.00
					-
C	Ditto valley	25	LM	500	12,500.00
					-
	<u>CARPENTRY</u>				-
	<u>Sawn cypress grade II</u>				-
	<u>Well seasoned and treated timber</u>				-
					-
D	100X50mm wall plate bedded in cement sand (1:3) mortar bolted to concrete with and including 16mm diameter bolts cast into concrete at 1000mm centers	130	LM	200	26,000.00
					-
D	150X50mm tie beams spaced @1200mm c/c	440	LM	200	88,000.00
					-
E	100X50mm rafters	580	LM	200	116,000.00
					-
F	100X50mm ties and struts	525	LM	200	105,000.00
					-
G	75X50 mm purlins	735	LM	200	147,000.00
					-
	<u>BOARDING</u>				-
	Wrought cypress,prime grade,pressure impregnated				-
					-
H	200X25mm thick fascia board	170	LM	300	51,000.00
					-
					-
	Carried to collection page 12				1,120,500.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>RAINWATER INSTALLATIONS</u>				
	<u>Gutterwork,28 gauge galvanised mild steel box gutter and fittings;purpose made</u>				
A	75X100mm gutter overlapped joints in the running lengths,fixing with metal brackets at 1000mm center	95	LM	800	76,000.00
					-
B	Extra over gutters for100mm pipe outlet	12	NO	400	4,800.00
					-
C	Ditto stopped end	12	NO	400	4,800.00
					-
	<u>Rainwater pipework,2upvc pressure pipes and fittings,purpose made</u>				-
					-
					-
D	100mm diameter pipes connections in the running length,fixing with metal holderbatsat 1000mm centers to backgrounds requiring plugging	160	LM	450	72,000.00
					-
					-
E	Extra over pipework for shoes	12	NO	250	3,000.00
					-
F	Ditto swanneck	12	NO	250	3,000.00
					-
	<u>PAINTING AND DECORATING</u>				-
					-
	<u>ONE UNDERCOAT TWO COATS OIL PAINT FULL GLOSS FINISH TO CROWN PAINTS OR EQUAL AND APPROVED</u>				-
					-
					-
G	General timber board surfaces	150	LM	200	30,000.00
	Total carried to collection				193,600.00
	COLLECTION				
	Brought forward from page 11				1,120,500.00
	Brought from above				193,600.00
	TOTAL ROOFING CARRIED TO SUMMARY				1,314,100.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>WINDOWS</u>				
	<u>Precast concrete,normal class 20/20mm vibrated</u>				
A	Sills 250 X 75 mm thick,once weathered, once throated ,reinforced as necessary for handling,bedding,jointing and pointing in cement mortar(1:4)	102	LM	500	51,000.00
					-
					-
					-
	<u>METAL WORK</u>				-
	<u>PURPOSE MADE UNITS</u>				-
	<u>Casement window in standard metal casement</u>				-
	<u>sections ,permanet ventilators comprising T-bar</u>				-
	<u>gauze and metal hood to full width of window</u>				-
	<u>one coat primer by manufacturer complete with all</u>				-
	<u>necessary ironmongery ,steel for glazing with putty</u>				-
	<u>lugs to two jamps ,cutting and pinning to concrete</u>				-
	<u>or blockwork ,fixing to head and sill with screws and</u>				-
	<u>plugging.all windows should have strong grills</u>				-
					-
B	Overall size1500 X 1200mm high	60	NO	8,000	480,000.00
					-
	<u>Windows cont'd</u>				-
	<u>Welded metal grill burglar proofing in 20mmx</u>				-
C	<u>20mmx1.5mm thick SHS bars with one coat primer</u> <u>including welding to metal in approved pattern</u>	0	SM	2,500	-
					-
					-
	<u>GLAZING</u>				-
					-
D	3mm thick clear sheet glass to metal with putty 1.00 to 1.50 square meters	108	SM	1850	199,800.00
					-
					-
	<u>PAINTING AND DECORATING</u>				-
	<u>ONE UNDERCOAT TWO COATS OIL PAINTFULL</u>				-
	<u>GLOSS FINISH TO CROWN PAINTS OR EQUAL</u>				-
	<u>AND APPROVED</u>				-
					-
E	Metal window surfaces over 300mm girth internal and ext	216	SM	300	64,800.00
F	Concrete surfaces 200-300 mm girth external	102	LM	200	20,400.00
	TOTAL WINDOWS CARRIED TO SUMMARY				816,000.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>STEEL DOORS</u>				
	<u>standars steel door complete with all necessary ironmongery,permanent vent with mosquito gauze& sheet hood assembled and fixed to opening including cutting and pinning lugs to concrte or sand mortar (1:4) all primed with grey oxide before fixing</u>				
A	1200X2400 mm steel casement door in two equal leaves comprising 50X50X50X3mm fixed frame;16G mild steel plate built into panels complete with 5-lever mortice lock 3NO tower bolt	8	NO	30000	240,000.00 - - - - -
	<u>GLAZING</u>				
C	3mm thick clear sheet glass to metal with putty 1.00 to 1.50 square meters	6	SM	1850	11,100.00 - - - -
	<u>PAINTING AND DECORATING</u>				
	<u>ONE UNDERCOAT TWO COATS OIL PAINTFULL GLOSS FINISH TO CROWN PAINTS OR EQUAL AND APPROVED</u>				- - - -
D	Metal surfaces over 300mm girth external/internal	46	SM	300	13,800.00 -
E	Ditto 0- 100mm girth	60	LM	200	12,000.00 - - - - - - - -
	TOTALDOORS CARRIED TO SUMMARY				276,900.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>FINISHES</u>				
	<u>FLOOR,WALL AND CEILING FINISHES</u>				
	<u>FLOORS</u>				
A	24mm thick ,cement sand (1:3) Screed wood floated to receive terrazzo paving m/s	822	SM	500	411,000.00 -
B	15mm thick polished terrazzo floor finishes	822	SM	2200	1,808,400.00 -
C	25x3mm plastic dividing strips laid in an approved pattern	1400	LM	100	140,000.00 -
D	15mm thick 100mm high polished terrazzo skirting	440	LM	200	88,000.00 -
	<u>PLASTERWORKS</u>				
E	12mm thick ,2 no coatwork plaster 1:2:6 to Dressed stones (m/s) generally,internal	600	SM	400	240,000.00 -
F	Ditto 15mm thick external(key pointing)	400	SM	400	160,000.00 -
G	15mm thick 2 no coatwork cement sand (1:4) rendered reveals jambs and openings	75	SM	400	30,000.00 -
H	Ditto soffitt of slab	400	SM	400	160,000.00
I	Ditto beams	37	SM	400	14,800.00
J	Ditto clomuns	200	SM	400	80,000.00 - - -
	Total Carried to collection				3,132,200.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>CEILING</u>				-
A.	50X75mm moulded cornice	315	LM	200	63,000.00
					-
B	50x50mm & 50X 75mm brandering	1900	LM	200	380,000.00
					-
C	12mm thick Soft board "celotex" ceiling fixing with nails heads punched and puttied butt ve joints set to pattern to and includning timber brandering in sawn cypress celcured sizes 50x50mm and 75*50mm both ways	415	SM	1600	664,000.00
					-
					-
					-
D	600X600mm door trap	3	NO	1000	3,000.00
					-
					-
	<u>PAINING AND DECORATING</u>				-
					-
	<u>THREE COATS PVA BASED EMULSION PAINT TO CROWN PAINTS OR EQUALL AND APPROVED</u>				-
					-
					-
E	Plastered walls surfaces over 300mm girth internal	600	SM	300	180,000.00
					-
F	Ditto externall	400	SM	300	120,000.00
					-
G	Ditto to reveals jambs and openings	75	SM	300	22,500.00
					-
H	Ceilling board surfaces	415	SM	300	124,500.00
					-
I	Cornices	200	LM	200	40,000.00
					-
J	Soffitte of slab	415	SM	300	124,500.00
					-
K	Ditto beams	37	SM	300	11,100.00
					-
L	columns	200	SM	300	60,000.00
					-
	Total Carried to collection				682,600.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>STAIRCASE FINISHES</u>				-
	<u>Terrazo paving on screed beds measured separtely with polished surfaces</u>				-
					-
A	20mm thick landing	5	SM	2200	11,000.00
B	ditto treads 180mm wide	33	LM	250	8,250.00
C	ditto on risers 150mm high	36	LM	250	9,000.00
D	100x20mm thick skirting	20	LM	250	5,000.00
E	extra over treads for 25x1'2 mm carborrhundum non slips inserts	28	LM	250	7000
	<u>cement sand screed(1:4)screed as described:</u>				
F	24mm thick ,cement sand (1:3) Screed wood floated to receive terrazzo paving m/s		SM		-
G	Ditto to treads 180mm wide	36	LM	100	3,600.00
H	Ditto to risers 150mm high	36	LM	100	3,600.00
	<u>Gauged plaster as described:</u>				
I	12mm thick on horizontal siffittes of landing	4	SM	350	1,400.00
J	Ditto on sloping soffittes of stairs	6	SM	350	2,100.00
K	Ditto to edges of staircases string	10	SM	350	3,500.00
L	Prepare and apply 3 coats plastic emulsion paint on plastered surfaces internally	20	SM	350	7,000.00
	Total carried to collection				61,450.00
	COLLECTION				
	Brought forward from page 15				3,132,200.00
	Brought forward from page 16				682,600.00
	Brought forward from above				61,450.00
	TOTAL FINISHES CARRIED TO SUMMARY				3,958,900.00

ITEM	DESCRIPTION	QTY	AMOUNT	
			Labour	full contract
	<u>SUMMARY OF ELEMENTS</u>			
1	SUBSTRUCTURE			6,448,700.00
				-
				-
2	GROUND FLOOR WALLING			469,500.00
				-
				-
3	REINFORCED CONCRETE FRAME			4,879,000.00
				-
				-
4	FIRST FLOOR WALLING			491,100.00
				-
				-
4	ROOFING			1,314,100.00
				-
				-
5	WINDOWS			816,000.00
				-
				-
6	DOORS			276,900.00
				-
				-
7	FINISHES			3,958,900.00
				-
				-
				-
TOTAL FOR BUILDING WORKS CARRIED TO GRAND SUMMARY				18,654,200.00

NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Supply install, test and commission the following Lighting points wired in 1.5mm ² single core PVC insulated copper cables drawn in 20mm concealed H/G PVC conduit and all accessories excluding switches for:				
(a)	One way switching	6	NO	1600	9,600.00
(b)	Two way switching	45	NO	2500	112,500.00
2	Lighting fitting complete with tubes, bulbs and all accessories as follows:-				
(a)	1200mmx36w(4Ft) florescent fittings C/W tubes	34	No	1700	57,800.00
(b)	Ditto 900mmx36w(3ft)	5	4	1200	6,000.00
(c)	semi-recessed weatherproof Bulkhead fitting complete with vandal proof enclosure as THORN or approved equivalent	6	NO	1200	7,200.00
3	10A ivory type plate switch as M.K range or approved equivalent:-				
(a)	1 gang 1 way	7	NO	150	1,050.00
(b)	1 gang 2 way weatherproof	12	NO	400	4,800.00
4	13A Ring mains circuit power points comprising switched socket outlet wired in 2.5mm ² single core PVC insulated copper cables drawn in concealed 25mm H/G PVC conduit and all accessories being				
(a)	Single	12	NO	3500	42,000.00
(b)	Twin	6	NO	750	4,500.00
5	13A switched socket outlet C/W pilot as CRABTEE and all accessories being.				
(a)	13A Socket outlets twin	10	NO	850	8,500.00
6	PME comprising 25mm Ø X1500mm long steel cored copper clad earth electrode 6.0mm ² single core earth lead, earth clamp and all accessories including an inspection pit with removable concrete cover all to the requirements of KPLC	1	LOT	3000	3,000.00
7	6 way consumers control unit complete with 60A intergral insualtor as CRABTEE or approved equivalent	1	No	6000	6,000.00
8	MCB's to be installed in the above consumer unit as follows:				
(a)	5 A SP MCB	8	NO	2000	16,000.00
(b)	30 A SP MCB	3	NO	1500	4,500.00
(c)	single blanking plates	4	NO	450	1,800.00
8	2x6.0mm ² + 1x4.0mm ² single core PVCI Copper submains cable drawn in 32mm Ø concealed H/G PVC conduit from meter box to consumer unit	15	M	1200	18,000.00
9	16SWG Surface moundted and spray painted meter board of sufficinet capacity to accommodate 1No single phase powerpower metre 1No cut-out 60A-80A main switch (KMBG(earth bonding and all accessories	1	LOT	2000	2,000.00
					305,250.00

NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Allow for provisional sum for KPLC meter deposit and service line connection.	1	NO	9000	9,000.00
2	trenching, laying, tiling with concrete HATARI' cable tiles and backfilling in soft ground	30	M	600	18,000.00
3	standard cable markers	10	NO	400	4,000.00
4	150mm diameter manual fire alarm bell as MENVIER	1	NO	7000	7,000.00
<u>Air termination</u>					
5	600mm long X 15mm diameter multiple point copper air terminal with spikes as furse cat no RA 600 mounted on bracket	3	NO	3000	9,000.00
6	copper air terminal base as furse cat no. SD 105	5	NO	1000	5,000.00
7	copper junction clamps for tape	5	NO	1000	5,000.00
<u>Down conductors</u>					
8	25mm x 3mm turned copper tape as furse cat no.TC 230	40	M	1800	72,000.00
9	copper ridge saddle as furse cat No.CD 115	10	NO	200	2,000.00
10	Direct coupling tape clip as furse cat no. CP 210	6	NO	600	3,600.00
11	copper rod to tape coupling	3	NO	400	1,200.00
12	25mm x 3mm turned copper tape as furse cat no.TC 230	15	M	2000	30,000.00
<u>Earth termination</u>					
13	16mm diameter x1500mm long solid copper earth rod as furse cat No. RC 020 complete with driving stud and spike	15	M	1500	22,500.00
14	concrete inspection earth pit/chamber 300mm X300mm masonry type c/w removable cover cat.No PT 005 with 5 hole earth bar as furse cat No.pt 006	2	NO	1500	3,000.00
					191,300.00
	Total brought forward from pg 19				305,250.00
	Total brought forward from above				191,300.00
	TOTAL ELECTRICAL WORKS				496,550.00

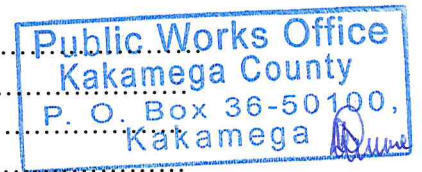
Total amount in words:- Kenya shillings :

ITEM	DESCRIPTION	AMOUNT
	BILL NO.3	
	<u>P.C AND PROVISIONAL SUMS</u>	
A	Allow a Provisional sum of Kshs.200,000 Two hundred thousand only for Technical supervision (<u>ELECTRICAL ENGINEER, PUBLIC WORKS INSPECTOR,STRUCTURAL ENGINEER AND CLERK OF WORKS</u>)	200,000.00
B	Allow a Provisional sum of ksh. 400,000 (four hundred and thousand only) for administration(PMC)	400,000.00
C	Allow a Provisional sum of kshs 50,000 (fifty thousand only) for NCA approvals	50,000.00
D	allow for contigency Ksh.150,000 (one hundred and fifty thousand only)	150,000.00
	TOTAL FOR P.C & PROVISIONAL SUMS CARRIED TO GRAND SUMMARY	800,000.00

<u>MAIN PRICES SUMMARY PAGE</u>		AMOUNT (KSH)	
NO	DESCRIPTION		full contract
A	BILL NO 1. PRELIMINARIES PP/5		50,000.00
B	BILL NO 2. MEASURED WORKS SP/18		18,654,200.00
C	BILL NO 3. PRIME COST& WORKS PCG/21 PROVISIONAL SUMS		800,000.00
D	BILL NO 4. ELECTRICAL WORKS PCG16		496,550.00
	TOTAL AMOUNT CARRIED TO FORM OF TENDER VAT INCLUSIVE		20,000,750.00

The tender sum is in the amount of : **TWENTY MILLION SEVEN HUNDRED AND FIFTY THOUSAND ONLY.**

contractors name.....
 Address.....
 Date.....
 Signature.....



company stamp.....

Witness name.....
 Address.....
 Date.....