PROPOSED CONSTRUCTION TO COMPLETION OF TWO CLASSROOM AND PURCHASE OF LOCKERS AND CHAIRS AT GILGIL GIRLS SECONDARY SCHOOL IN GILGIL CONSTITUENCY					
ITEM	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**
	ELEMENT NO.1 SUBSTRUCTURE				
A	Clear site of all bushes,shrubs and small trees; load and cart away debris as directed	80	SM		
B	Excavate to topsoil;average depth 150mm commencing from the original ground level;load and cart away debris	80	SM		
C	Excavate to foundation strip depth not exceeding 1.50 meters commencing from the stripped level; load and cart away surplus	33	CM		
D	Extra over normal excavation for excavating in rock of any class	6	CM		
E	Backfill and compact selected excavated materials in 150mm thick layers	15	CM		
F	Load and cart away surplus excavated material	16	CM		
G	Allow for maintenance of the trenches free from collapse by way of planking and strutting	1	ITEM		
H	Allow for maintenance of the trenches free from surface water by way of balling,dredging or any other approved means	1	ITEM		
	Hardcore filling				
J	300mm thick approved Hardcore filling deposited and compacted in layers not exceeding 150 mm thick	22	CM		
K	50mm thick stone dust or murram blinding over hardcore	75	SM		
L	Apply antitermite treatment as "TERMIDOR" or other equal and approved;including spraying by approved personnel and a warranty	75	SM		
	Concrete				
M	Plain concrete (1:4:8) in 50mm thick blinding under strip footings	33	SM		
	In-situ reinforced concrete class 20/20mm;vibrated mechanically round reinforcement to;				
N	Foundation strip	5	CM		
P	100mm thick floor slab	80	SM		
	TOTAL CARRIED TO COLLECTIONS	**PAGE 1**			

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Reinforcement **Fabric mesh reinforcement**				
A	Mesh reinforcement ref. BRC 142 weighing 2.22kg per square metre (No allowance for laps);including cutting and supporting with spacer blocks	80	SM		
	High tensile steel reinforcement to BS 4466;including supporting,cutting,tying and bending in:				
B	8mm bars	83	KG		
C	10mm bars	107	KG		
	Sawn timber formwork to ;				
D	Edge of slab; girth 75-150mm	36	LM		
	Walling				
E	200mm thick natural stone foundation walling bedded and jointed in mortar mix (1:4);with and including hoop iron at every alternate course	35	SM		
F	Extra for attached pier 400x200mm	9	LM		
	Damp proof membrane				
G	1000 gauge polythene water proofing damp proofing membrane	80	SM		
	Plinth area treatment				
H	12mm thick cement sand render (1:4) mix	10	SM		
J	Prepare and apply undercoat and two finishing coats of bituminous paint as "Crown Paints" or other equal and approved	10	SM		
	Ramp				
K	Mass concrete class "Q" mix (1:3:6) in ramp on and including blinded hardcore bed 100mm thick tamped finish including masonry walling complete with all excavations and soil disposal	4	SM		
	TOTAL CARRIED TO COLLECTION				
	COLLECTION From Page 1 From Above				
	TOTAL FOR SUBSTRUCTURE CARRIED TO SUMMARY		**PAGE 2**		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.2 WALLING				
	Natural stone walling as local approved stone: machine dressed both sides: bedded and jointed in cement sand (1:4) mortar;including hoop iron at every alternate course :in				
A	150 mm Thick walls	72	SM		
B	Ditto;Gables	11	SM		
C	Extra over walling for masonry pier size 400 x 200mm ;bedded and jointed in mortar mix 1:3	25	LM		
	Vent Blocks				
D	Fix 200x200x25 mm thick pre-cast concrete vents jointed in 1:3 mortar	8	PRS		
	Bituminous hessian base to BS 743 type A: or other equal approved damp-proof course: in cement/ sand (1:4) mortar				
E	150 mm wide	34	LM		
F	Eaves filling to 200mm walls; 300 mm average height	18	LM		
G	Raking cutting to 200mm thick wall	17	LM		
	TOTAL FOR WALLING CARRIED TO SUMMARY	**PAGE 3**			

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 3:SUPERSTRUCTURE				
	RC SUPERSTRUCTURE				
	Reinforced concrete class 20/20mm: Mechanically vibrated: in.				
A	Beams	2	CM		
	High yield deformed steel bar reinforcement to BS 4461 and KS 02-22:1976: including bends, hooks, tying wire, distance blocks and spacers				
B	8 mm Bars	58	KG		
C	12 mm Bars	122	KG		
	Sawn formwork: to				
D	Sides and soffits;beams	25	SM		
	STEEL COLUMN SUPERSTRUCTURE				
E	60mm diameter x 1.5mm thick x 2.16Kg/M Round Hollow Section columns;fixed on concrete slab at the bottom;welded with a 3mm thick U-Bat at the top;including painting in approved colours	21	KG		
	TOTAL FOR RC SUPERSTRUCTURE CARRIED TO SUMMARY	**PAGE 4**			

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 4: ROOF (all Provisional)				
	ROOF CONSTRUCTION				
	All the following structural timber shall be sawn second grade treated cypress to an equilibrium moisture content of between 9% and 15%				
A	100 x 50mm thick wall plate;including fixing with bolt and 16 gauge x 25mm steel strip	19	LM		
	Trusses				
	The following sawn cypress ;including nailed connection and hoisting to approximately 3metres above ground level in;				
B	100 x 50 rafters	69	LM		
C	100 x 50 tie beams	45	LM		
D	100 x 50 Kingpost	14	LM		
E	100x 50mm struts and ties	82	LM		
F	75 x 50mm Purlins at 1200mm centres	90	LM		
G	100 x 50 Bearer	10	LM		
	ROOF COVERINGS				
H	28 gauge prepainted IT5 galvanised iron roofing sheets nailed on purlins (M/S) ;with one corrugation edge lap and 150mm end lap	110	SM		
J	Ditto;250mm wide Ridge cap	9	LM		
K	200x25mm wrot cypress fascia and badge board nailed onto edge of rafters	40	LM		
	TOTAL CARRIED TO COLLECTION	**PAGE 5**			

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Rainwater goods				
	Galvanised iron metal sheet: gauge 26: pre-painted				
A	150mm half round gutters including fixing with brackets at 1200mm centres	18	LM		
B	140mm diameter UPVC rain water downpipe	6	LM		
C	Extra over ditto for swanneck	2	NO		
D	Extra over ditto for shoe	2	NO		
	Knot,prime, stop,prepare surfaces and apply one undercoat and two finishing coats of gloss oil paint on				
E	General timber surfaces 200 to 300mm girth externally	40	LM		
	TOTAL CARRIED TO COLLECTION				
	COLLECTION				
	From Page 5				
	From Above				
	TOTAL FOR ROOF CARRIED TO SUMMARY		**PAGE 6**		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 5: DOORS				
	Mild steel casement door; 50x25x2mm RHS outer frames and infilled with 25x25x2mm RHS members with zero joint in between to project manager's detail and approval complete with latch and hinges				
A	1200 x 2400 mm overall ;2No.600mm each leaf	1	NO		
	Prepare surfaces and apply one coat (undercoat) and two coats polyurethene clear lacquer paint as "Crown Paints" or other equal approved: on metal surfaces: to				
B	Door; general surfaces	6	SM		
	TOTAL FOR DOORS CARRIED TO SUMMARY	PAGE 7			

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.6: WINDOWS				
	Steel casement windows: purpose made metal casement sections: integral burglar proofing square bars 16mm thick to all panels at 200 mm centres vertically and 200 mm wide horizontally: Zed and tee sections to project manager's detail and approval: including permanent ventilators comprising 'T' bar, gauze and metal hood: openable casements: coupling mullions: approved brass ironmongery:				
A	Window size 1800 x 1500mm high overall	5	NO		
	4 mm Thick clear sheet glass and glazing to steel casement windows with and including linseed putty: in panes				
B	Panes: Exceeding 0.1 but not exceeding 0.50 sm	10	SM		
	Prepare surfaces: and apply undercoat and two finishing coats first grade gloss paint as "Crown Paints" or other equal approved: on metal surfaces: to				
C	General metal surfaces (both sides)	19	SM		
	TOTAL FOR WINDOWS CARRIED TO SUMMARY	PAGE 8			

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 7: FINISHES				
	External Wall finishes				
A	Extra over dressed stone walling labour for forming recessed horizontal joints and flush vertical joints on walls in cement mortar (1:3) externally	66	SM		
	Internal Wall Finishes				
	Cement and sand (1:4): to walls: in				
	Plaster: 12 mm first coat of cement/lime putty/sand (1:2:9): 3 mm second coat of cement/lime putty/sand (1:1:6): steel trowelled: on masonry or concrete: to				
B	Walls and Beams internally	83	SM		
C	Apply skimming 2.no coat to walls using Ideal Skimming Products or other equal and approved	164	SM		
D	Extra over for black board	30	SM		
	Ceiling Finishes				
	Sawn cypress, pressure impregnated as described in:-				
E	50x50mm brandering	174	LM		
F	75X50mm ditto plugging	30	LM		
	Wrot cypress prime grade as described in:-				
G	75x25mm cornice with three labours; plugged	29	LM		
H	12mm thick 'celotex' ceiling lining with vee butt joints	77	SM		
J	450 x 450mm softboard trap door;complete with necessary ironmongery and rebatted frame	1	NO		
	FLOOR FINISHES				
	INTERNAL FLOOR FINISHES & EXTERNAL FLOOR FINISHES				
	Cement and sand (1:3) screed: to hacked floors: in				
K	25mm thick cement sand (1:3) backing to receive terrazzo	77	SM		
	Approved; local; non-slip; ceramic floor tiles to regular or other approved pattern; bedding and jointing in cement sand (1:4) mortar; grouting with matching cement				
L	300x300mm ceramic floor tiles; internal	77	SM		
M	Skirtings; 100mm wide with rounded junction with wall finish and coved junction with floor finish	38	LM		
	TOTAL CARRIED TO COLLECTION	**PAGE 9**			

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Paved areas around Building plinth				
A	50mm thick in-situ concrete 600mm wide screeded with cement sand 1:4 mix steel trowelled hard and smooth finish with red oxide	14	SM		
	External Wall finishes				
B	12mm render mix (1:4) to gable walls	11	SM		
C	12mm render mix (1:4) to beams externally	9	SM		
D	12mm ditto to eaves	7	SM		
	Painting and Decorations				
	Prepare and apply three coats silk vinyl plastic emulsion paint as described on:-				
E	Plastered surfaces	76	SM		
F	Soft board ceiling	56	SM		
G	Rendered surfaces external	27	SM		
	Prepare and apply three coats black board paint to:				
H	Plastered surfaces	15	SM		
	TOTAL CARRIED TO COLLECTION				
	COLLECTION From Page 9 From Above				
	TOTAL FOR FINISHES CARRIED TO SUMMARY	**PAGE 10**			

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELECTRICAL INSTALLATIONS				
	Supply, install,test and commission the following				
A	Lighting points wired in 3x1.5 sq mm sc PVC copper cables drawn in 20 mm diameter HG PVC conduits concealed in building fabric including all accessories but without lighting switches and fittings for one way switching	1	NO		
B	5A white included lighting switches as MK or approved equivalent				
	a) One way switching	1	NO		
C	Lighting fittings complete with appropriate rated lamps as follows:-				
	a)1200mm,1x36W,single fluorescent lighting fitting with opal diffuser for surface mounting as Thorn or approved equivalent	8	NO		
	b)2x8W fluorescent bulk head fitting as Thorn or approved equivalent	2	NO		
D	Power point wired in 3x2.5 sq mm sc PVC copper cables drawn in 25mm diameter HG PVC conduits concealed in building fabric including all accessories	2	NO		
E	13A twin switched socket outlet plate ivory type as MK or approved equivalent	2	NO		
F	Sub mains comprising 3x6.0 sq mm sc PVC copper cables in concealed in 32mm diameter HG PVC conduits from the CLB to the consumer unit	10	M		
G	4-Way SPN consumer unit complete with a 100A integral isolator as harvell or approved equivalent	1	NO		
H	MCBs as harvell or approved equivalent:-	1			
	a) 5A	1	NO		
	b) 30A	1	NO		
J	standard cable loop in box	1	NO		
K	Earthing the cable loop in box	1	NO		
L	10mm2 TWE copper cable from meter box to the consumer distribution unit- drawn in 32mm2 H/G conduit	20	Lm		
	TOTAL FOR ELECTRICAL INSTALLATIONS CARRIED TO GRAND SUMMARY	**PAGE 11**			

ITEM	DESCRIPTION		PAGE		AMOUNT
	SUMMARY				
A	SUBSTRUCTURE WORKS		PAGE 2		
B	WALLING		PAGE 3		
C	RC SUPERSTRUCTURE		PAGE 4		
D	ROOFING		PAGE 6		
E	DOORS		PAGE 7		
F	WINDOWS		PAGE 8		
G	FINISHES		PAGE 10		
H	ELECTRICAL INSTALLATIONS		PAGE 11		
	TOTAL FOR 1NO. CLASSROOM				
	X2				
	TOTAL FOR 2NO. CLASSROOM				
	TOTAL FOR 2NO. CLASSROOM CARRIED TO GRAND SUMMARY		**PAGE 12**		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	PRIME COST & PROVISIONAL SUMS				
	The following sums are to be measured on completion and priced in accordancxe with the rates contained in this Bill of Quantities or prorata thereto or deducted in whole if not required				
A	Provide a provisional sum of Kenya Shillings Sixty four Thousand **(Kshs.64,000.00)** only for Engineers site supervision and Transport cost.		SUM		64,000.00
B	Provide a provisional sum of Kenya Shillings Ninety six Thousand **(Kshs.96,000.00)** only for PMC.		SUM		96,000.00
C	Allow a provisional sum of Kenya Shillings Two Hundred and fourty Thousand **(Kshs.240,000.00)** only for Purchase of 40 Lockers and chairs		SUM		240,000.00
	TOTAL FOR PRIME COST SUMS & PROVISIONAL SUMS CARRIED TO GRAND SUMMARY		**PAGE 13**		**400,000.00**

ITEM	DESCRIPTION	PAGE NO	AMOUNT
	GRAND SUMMARY		
A	TOTAL FOR 1NO. CLASSROOMS BROUGHT FORWARD FROM	PAGE 12	
C	TOTAL FOR PROVISIONAL SUMS BROUGHT FORWARD FROM	PAGE 13	400,000.00
	SUB-TOTAL		
	ADD 0.03% PPRA LEVY		
	TOTAL ESTIMATED COST CARRIED TO FORM OF TENDER (V.A.T INCLUSIVE)		

Cotract Period……Weeks…….

Tender Sum in words……..

……..

Name of Tenderer……..

Address……..

Signature……

Date……..