PROPOSED CONSTRUCTION TO COMPLETION OF AN ADMINISTRATION BLOCK AND PURCHASE OF EQUIPMENT AT KAGUMO PRIMARY SCHOOL IN GILGIL CONSTITUENCY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 1				
	SUBSTRUCTURES (ALL PROVISIONAL)				
	Site clearance				
A	Clear the site off grass, shrubs and all vegetation; cart away as directed	102	Sm		
	Excavations and earth works				
B	Excavate vegetable soil average 200mm deep to remove vegetable soil and reduce levels and cart away as directed	102	Sm		
C	Excavate oversite to reduce levels depth n.e. 1.5 M deep starting from existing ground level.	31	Cm		
D	Ditto for strip foundation but not exceeding 1.5 meters deep	38	Cm		
E	Extra over excavation for excavating in rock. For any class type	8	Cm		
	Carried to collection		1		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Substructure contn'd				
	Disposal				
A	Return, fill-in and rum selected excavated material around the foundation	42	Cm		
B	Remove and cart away from site surplus excavated material to Local Authority dumping site	29	Cm		
	Diposal of water				
C	Allow for Keeping all excavations free from all water including spring or running water by pumping ,bailing or other approved means	1	Item		
	Planking and strutting				
D	Allow for Planking and Strutting to sides of all excavations	1	Item		
	Hard core Filling as described.				
E	Imported hardcore filling including depositing levelling and compacting in layers of 150mm maximum thickness n.e 300 mm.	38	Cm		
F	50mm thick Quarry dust blinding to surfaces of hardcore :rolled smooth to receive polythene sheeting (m.s)	102	Sm		
	Antitermite treatment				
G	PREMISE 200CC' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations	102	Sm		
	Damp proofing				
H	1000 gauge polythene or other equal and approved plastic sheeet damp proof memebrane laid over blinding (measured net- allow for laps)	102	Sm		
	Carried to collection		2		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Substructure contn'd				
	In-situ concrete				
	Mass concrete (class 15/20)				
A	50mm thick mass concrete to bottoms of foundations	25	Sm		
	Vibrated reinforced conctrete; class 25/20;as decribed in				
B	Foundations in trenches irrespective of thickness	5	Cm		
C	150mm thick bed	102	Sm		
	Reinforcement				
	Supply and fix bars Reinforcement including bending ,hooks,tying wire,cutting spacersand supporting all in position as decribed				
	High tensile square twisted bars to B.S. 4461				
	STRIP REINFORCEMENT				
D	10mm Diameter	174	Kg		
	Carried to collection		3		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Substructure contn'd **Mesh reinforcement ; B.S. 4483**				
A	Reference A142 mesh 200 x 200 mm , weight 2.22 kgs per square meter (measured net - no allowance made for laps(inclunding bends, tying wire and distance blocks	102	Sm		
	Sawn formwork to insitu concrete as described:				
B	To sides; vertical or battering of strip foundations.	17	Sm		
C	Edges of ground floor slab; 75 to 150mm wide	36	Lm		
	Foundation Walling				
D	200mm thick approved local natural stone; roughly squared to foundation walling; bedding and jointing in cement sand (1:3) mortar and reinforced with and including 20swg x 25 mm wide hoop iron in every alternate course	52	Sm		
	Carried to collection				
	Substructure contn'd **COLLECTION** From page 1 From page 2 From page 3 From page above				
	TOTAL FOR SUBSTRUCTURES CARRIED TO SUMMARY		4		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 2				
	SUPERSTRUCTURE REINFORCED CONCRETE FRAME (BEAMS:COLUMNS:SLABS:STAIRCASE)				
	Insitu concrete; reinforced; class 25/20; vibrated				
A	Ring Beam	2	Cm		
	Reinforcement (all provisional)				
	Bars; high yield steel; cold worked to B.S. 4461 including bends, hooks, tying wire and distance blocks of assorted diameter				
	RING BEAM				
B	8mm Diameter	64	Kg		
C	10mm Diameter	103	Kg		
	Carried to Collection		5		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Superstructure frame contn'd **Sawn formwork to insitu concrete as described:-**				
A	To sides and soffits of beams.	25	Sm		
	Carried to Collection		6		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Superstructure frame contn'd COLLECTION From page 5 From page 6				
	TOTAL FOR R.C FRAME CARRIED TO SUMMARY		7		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 3WALLING				
	Natural stone walling; machine-dressed; bedded and jointed in cement and sand (1:3) mortar and reinforced with and including 20 swg x 25 mm wide hoopiron;				
A	200 mm thick reinforced after every alternate course	133	Sm		
	Horizontal Damp Proof Course:one layer of 3-ply bituminous felt or other equal approved (measured nett-allow for laps)				
B	200mm wide; B.S. 743 Type A bitumen hessian base 150 mm laps (no allowance made for laps); horizontal, 1 no. layer, bedded in cement sand (1:3) mortar	49	Lm		
	TOTAL FOR EXTERNAL AND INTERNAL WALLING CARRIED TO SUMMARY		8		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.3 DOORS				
	Timber Doors Frame and Finishing Wrot cypress as described				
A	150 x 50 mm; 2 No. labours; plugged door frame	33	Lm		
B	50 x 25 mm weathered architrave	29	Lm		
C	25x25mm rounded quardrant	29	Lm		
D	50mm thick solid core flush doors high quality with hardwood lipping to all edges including 300mm high fanlight 900x2400mm high	5	No		
E	Ditto size 1800x2400mm high	1	No		
	MILD STEEL DOORS Standard steel casement door ovaral size comprising 40 x 25 x 3 mm stiles, bottom & top rail, & 4No intermediate rails all primed with red oxide complete with hinges, stays, fasteners, permanent vent with mosquito gauze and sheet metal hood etc assembled and fixed to opening including cutting and pinning lugs to concrete or blockwork surround and bedding frame in cement and sand mortar (1:4) (Grille and Glazing excluded)				
F	1800x2400mm high	1	No		
G	1200x2400mm high	1	No		
H	GLAZING 4mm Thick clear sheet glass panes to doors including beading	4	SM		
	Carried to collection		9		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Doors contn'd **Iron mongery** **Supply and fix the following to UNION catalogue or other equal and approved** **To softwood, hardwood or the like fixing with screws**				
A	Two- lever mortice lock complete with set lever brass handle furniture	5	No.		
B	100mm Brass butt hinges	15	Prs		
C	100mm Long aluminium barrel bolts	45	No		
	Painting and Decorations **Prepare and apply three coats of 1st quality gloss oil paint to: -**				
D	General surfaces of doors	60	Sm		
	Aluminium primer or other equal and approved wood primer before fixing: -				
E	Backs of frame, board, etc over 100mm but not exceeding 200mm girth	62	Lm		
	Carried to collection				
	COLLECTION From page 9 From Above				
	TOTAL FOR DOORS CARRIED TO SUMMARY		10		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.4 WINDOWS Steel Casement Windows Standard windows casements complete with hinges, stays, fasteners, permanent vent with mosquito gauze and sheet metal hood etc assembled and fixed to opening including cutting and pinning lugs to concrete or blockwork surround and bedding frame in cement and sand mortar (1:4)				
A	Window, overall size 1500 x 1500 mm high as per Architect approval.	10	No		
	PAINTING AND DECORATION Prepare and apply three coats oil paint full gloss to Crown Solo or other equal and approved to:-				
B	General surfaces of casement windows measured entirely over both side	68	Sm		
	Carried to collection		11		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Glazing</u>				
A	6mm Thick clear sheet glass panes over 0.1 but not exceeding 0.5 square meters; fixing with putty	34	Sm		
	<u>Window cill</u>				
B	250 mm thick coloured P.C cill with one curved edge including bedding and pointing in cement and sand (1:3) mortar	25	Lm		
	<u>Curtain Rods</u>				
C	40mm diameter wrot iron curtain rod complete with rollers,stops,caps and holders	32	Lm		
	Carried to collection				
	<u>COLLECTION</u> From page 11 From above				
	TOTAL WINDOWS CARRIED TO SUMMARY		12		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 5 FINISHES				
	Wall finishes **Internal wall**				
	Plaster; 12mm thick 2 No. coatwork, 9mm first coat of cement sand (1:6); 3mm second coat of cement and lime putty (1:10); steel trowelled toconcrete or blockwork base generally to: -				
A	Walls; beams; internal	134	Sm		
	Painting and decorations **Prepare and apply three coats of first quality silk vinyl paint to: -**				
B	Plastered surfaces: walls;beams	134	Sm		
	External wall finishes				
C	12 × 12mm cement and sand(1:3) mortar to natural stone walling to receive key vertically and horizontally	72	Sm		
D	6mm thick; butt joints straight both ways; to cement sand base (m/s) to walls internal	27	Sm		
E	Plastic edging (provisional)	15	Lm		
	Paved areas around Building plinth				
F	50mm thick in-situ concrete 600mm wide screeded with cement sand 1:4 mix steel trowelled hard and smooth finish with red oxide	44	SM		
	Carried to Collection		13		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Finishes contn'd **Floor finishes** **Beds or Backings** **Screed; cement and sand (1:3)**				
A	32mm thick one coat backings; wood floated to receive ceramic floor tiles (m/s) to concrete base; to floors level; internal	102	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				
B	300x300mm ceramic floor tiles	102	Sm		
C	Skirtings; 100mm wide with rounded junction with wall finish and coved junction with floor finish	74	Lm		
	Carried to Collection		14		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Finishes contn'd COLLECTION From page 13 From page 14				
	TOTAL FOR FINISHES CARRIED TO SUMMARY		15		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ROOF CONSTRUCTION				
	TIMBER TRUSSES.(All Provisional)				
	The following Roof trusses as per 'T1'in first grade pressure impregnated sawn cypress including hoisting and placing in position.				
A	100 x 50mm main rafters.	340	Lm		
B	Ditto beams.	286	Lm		
C	Ditto king post.	85	Lm		
D	Ditto purlins.	862	Lm		
E	Ditto struts and ties.	440	Lm		
F	100 x 50mm wall plate bolted to wall with and including 12mm diameter bolts 60mm long at 1000mm centtres.	36	Lm		
	Timber Brandering				
G	50 x 50mm second grade celcured and wall seasoned cypress timber brandering.	1360	Lm		
	Fascia board				
H	225 x 38mm thick wrot cypress fascia and barge boards fixed to end of rafters m.s.	24	Lm		
	Celotex Ceilling Board				
J	12mm thick nailed to 50 x 50mm timber brandering (m/s) nails punched and puttied; set to pattern to ceiling	102	Sm		
K	75x25mm cornice with three labours; plugged	74	Lm		
L	450 x 450mm softboard trap door;complete with necessary ironmongery and rebatted frame	2	No		
	Carried to Collection		16		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ROOF COVERINGS				
A	28 Gauge Resincot galvanized IT4 iron roofing sheets nailed on purlins labour and material	256	Sm		
B	Ditto Ridge capping	13	Lm		
	Rainwater goods				
C	300mm half round gutters including fixing with brackets at 1200mm centres	24	Lm		
D	110mm diameter round UPVC rain water downpipe	12	Lm		
E	Extra over ditto for swanneck	4	No		
F	Extra over ditto for shoe	4	No		
	Carried to Collection				
	COLLECTION From page 16 From page Above				
	TOTAL FOR ROOF CONSTRUCTION AND RAINWATER GOODS CARRIED TO SUMMARY		17		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELECTRICAL INSTALLATION				
	Supply, Install,Test, and Commission the following				
A	Lighting point wired in 3x1.5mm2 sngke cire copper cable drawn in 20mm2H/G conduits concealed inside ceiling complete with all accessories included but excluded switches and fitttings as follows;	5	Pt		
	Switches				
	10AMP white moulded plate switch as NK or approved equivalent				
B	i)2 gang 1 way switch	2	No		
C	ii)1 gang 1 way switch	4	No		
	Lighting fittings				
	Complete with tubes with appropriate wattage and colour rendering				
D	4 ft 36 watts, bare battern flouranscent fitting as torn or approved equiavalent	10	No		
	Power points				
E	Wired for 3x2.5mm 2 single core copper cable and drawn in a 20mm 2 P.V.C H/G conduits and saddled onto the ceiling brandering with metal saddles.The power circuitsshould form a ring circuits as stated for the I.E.E regulations	2	No		
F	13A Twin s/cutet plate as thorn or any approved equivalent	2	No		
	Internal Power Controls				
G	4-way consumer unit ass harvels	1	No		
	Carried to Collection		**18**		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Power Distribution				
A	10mm2 TWE copper cable from meter box to the consumer distribution unit- drawn in 32mm2 H/G conduit	50	Lm		
	Internal MCB's				
B	MCB-10Amps	1	No		
C	MCB-10AMPS	2	No		
	Power Intake Point				
	1 Single tarrif meter Box, fixed on the wall as shown in the place				
D	Earthing terminated provided to the meter Box for the P.M.E & Earthing connect	1	No		
	Earth Lead				
E	6.0mm2 earthing lead connected to a 4500mm earth electrode, and a manhole of 450mx450mm and precast cover	1	Item		
	Main Switch **100Amp**				
F	KMBG fused main switch to isolate the whole system by means of opening and making the circuit	2	No		
G	Allow for testing of the installation before KPLC supply connection	1	Item		
	Carried to Collection				
	COLLECTION From page 20 From above				
	TOTAL FOR ELECTRICAL INSTALLATIONS CARRIED TO SUMMARY		**19**		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUMMARY				
			PAGE NO.		
A	SUBSTRUCTURES		4		
B	SUPERSTRUCTURE CONCRETE FRAME		7		
C	EXTERNAL & INTERNAL WALLING		8		
D	DOORS		10		
E	WINDOWS		12		
F	FINISHES		15		
G	ROOF CONSTRUCTION		17		
H	ELECTRICAL INSTALLATIONS		19		
	TOTAL FOR ADMINISTRATION BLOCK CARRIED TO SUMMARY		20		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	PRIME COST & PROVISIONAL SUMS				
A	Provide a provisional sum of Kenya Shillings Seventy Four Thousand **(Kshs.74,00.00)** only for Engineers site supervision and Transport cost		SUM		74,000.00
B	Provide a provisional sum of Kenya Shillings One hundered and Eleven Thousand **(Kshs.111,000.00)** only for PMC and Clerk of Works		SUM		111,000.00
C	Allow a provisional sum of Kenya Shillings Five Hundred Thousand (**Kshs.500,000.00**) only for Purchase of 3 Excecutive chairs and desks, 3 cabinets and 12 chairs and desks				500,000.00
	TOTAL FOR PROVISIONAL SUMS CARRIED TO GRAND SUMMARY		21		685,000.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUMMARY				
			PAGE NO.		
A	ADMINISTRATION BLOCK		20		
B	PRIME COST AND PROVISIONAL SUMS		21		685,000.00
	TOTAL FOR BUILDER'S WORK CARRIED TO GRAND SUMMARY		22		685,000.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	GRAND SUMMARY TOTAL FOR ADMINISTRATION BLOCK				
	SUB-TOTAL				
	ADD 0.03% PPRA LEVY				
	TOTAL ESTIMATED COST CARRIED TO FORM OF TENDER (VAT INCLUSIVE)		G/S		

Cotract Period…….Weeks……..

Tender Sum in words……..

……...

Name of Tenderer……..

Address…….

Signature……

Date……..