ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	BILL OF QUANTITY FOR PROPOSED CONSTRUCTION OF 2NO CLASSROOMS AT KAHAWA WENDANI PRIMARY SCHOOL IN RUIRU CONSTITUENCY.				
	SUBSTRUCTURES (ALL PROVISIONAL)				
	Site clearance				
A	Clear the site off grass, shrubs and all vegetation; cart away as directed .	169	S.M		
	Excavations and earth works				
B	Excavate to remove top soil and load, wheel and deposit where directed, average depth 150mm.	190	S.M		
C	Excavate to reduce levels commencing from stripped ground level	29	C.M		
D	For foundations strip commencing at reduced level n.e. 1.5m deep	66	C.M		
E	Ditto to column bases	54	C.M		
	Disposal				
F	Cart away excavated material and deposit in council approved dump or as directed	95	C.M		
G	Return fill and ram selected material to back of foundation	37	C.M		
	Diposal of water				
H	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				
J	Allow for Plunking and Strutting to sides of all .	1	Item		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Hard core Filling as described.				
A	Imported hardcore filling including depositing levelling and compacting in layers of 150mm maximum thickness n.e 300 mm.	169	S.M		
B	50mm thick murram blinding to surfaces of hardcore :rolled smooth to receive polythen sheeting (m.s)	169	S.M		
	Antitermite treatment				
C	PREMISE 200CC' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations	169	S.M		
	Damp proofing				
D	500 gauge polythene or other equal and approved plastic sheeet damp proof memebrane laid over blinding (measured nett- allo for laps)	169	S.M		
	In-situ concrete				
	plan concrete class mix (1.4:8 in				
E	50mm thick mass concrete class Q (1:3:6) to bottoms of strip foundations and column bases	79	S.M		
	Vibrated reinforced conctrete ; 1:2:4/ 20-20mm);as decribed in				
F	Foundations trenches 200mm thick	9	C.M		
G	150 mm thick horizontal surface bed	169	S.M		
H	200mm thick to Column bases and sub columns	11	S.M		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Reinforcement				
	Bars; high yield steel; cold worked to B.S. 4461 and hot rolled to B.S. 4449 including bends, hooks, tying wire and distance blocks				
A	16mm diameter	319	K.G		
B	12mm diameter	350	K.G		
c	10mm ditto	148	K.G		
d	8mm ditto	134	KG		
	Mesh reinforcement ; B.S. 4483				
D	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.	169	S.M		
	Sawn formwork to insitu concrete as described:-				
D	Foundation strip and sub columns	76	S.M		
E	Edges of ground floor slab; 75 to 150mm wide	64	L.M		
	Foundation Walling				
F	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 wid hoopiron in every alternate course	122	S.M		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	PLINTHS				
A	12mm thick cement sand (1:3) render; wood floated to concrete or blockwork base to walls; external	24	S.M		
	Prepare and apply three coats black bituminous paint on:-				
B	Rendered plinths, externally.	24	S.M		
C	Construct ramp size 1500mm wide to suite in site or as per works officer instruction.	1	Item		
	CARRIED TO COLLECTION BELOW				
	Brought from page 1				
	Brought from page 2				
	Brought from page 3				
	Brought from above				
	TOTAL FOR SUBSTRUCTURE CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 2				
	CONCRETE WORKS				
	Insitu concrete; reinforced; class 20 / (20mm); vibrated				
A	Ring Beam	7	C.M		
B	Columns	4	C.M		
	Reinforcement				
	Bars; high yield steel; cold worked to B.S. 4461 and hot rolled to B.S. 4449 including bends, hooks, tying wire and distance blocks				
B	16mm diameter	389	K.G		
C	12mm diameter	268	K.G		
D	8mm diameter	220	K.G		
	Sawn formwork to insitu concrete as described:-				
E	To sides and soffits of beams.	50	S.M		
F	Side columns	48	S.M		
	TOTAL FOR CONCRETE CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.3				
	WALLING 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; internal.				
A	200 mm thick reinforced in every third course	166	S.M		
B	Ditto gable wall	33	S.M		
	Horizontal Damp Proof Course:one layer of 3-ply bituminous felt or other equal approved (measured nett-allow for laps)				
C	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.	61	L.M		
D	150X200mm precast concrete permanent vents with mosquito gauze wire build in walling	4	PRS		
	TOTAL FOR WALLING CARRIED SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 4				
	ROOFING AND RAIN WATER GOODS				
	Structural timber				
	Grade II presure impregnate sawn cypress in;				
	Framed timberwork				
	The following in trusses 1500 mm C/C including scafed or dovetailed jointing, hoisted and fixed 3000mm above ground floor slab				
A	100x50mm rafter	206	L.M		
B	100x50mm Tie beam	89	L.M		
C	100x50mm Struts or ties	235	L.M		
D	100x50 kingpost	25	L.M		
F	75x50mm Purlins	184	L.M		
G	100x50mm Wall plate fixed with and including 200mm long x 12mm diameter anchor bolts cast into beam at 1800mm centres, provide for all necessart drilling, threading, nuts and washers	38	L.M		
	In grade II treated wrot cypress				
H	225x25mm fascia or verge board	48	L.M		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ROOF COVERING				
	Box profile iron sheet 30 gauge prepainted				
A	Roof covering side lap and fixing as necessary to timber purlin (m/s) on timber trusses (m/s) at 1800mm max to fall at 22.5 degree.	169	S.M		
B	R*i*dge piece to ,match	20	L.M		
	Roof drainage Works				
	28 Gauge galvanised steel shaped as required				
C	150 x 150mm Box gutter with rolled edges including joints in running lenth fixed to rafters with and including approved brackets at 1200mm rafter centres and one coat red .oxide primier before fixing.	38	L.M		
D	Extra over gutters for 100mm diameter outlet	4	N.O		
E	Extra over gutter 90º bend	4	N.O		
F	100 x 100mm Spray painted box downpipe with and including approved brackets at 1800mm centers to masonry wall	9	L.M		
G	Extra over down pipe for 100mm swan neck bend	4	N.O		
H	Ditto for 100mm shoe	4	N.O		
	COLLUMNS				
J	75mm diameter round hollow steel tube embedded in concrete and other end hooked to support wall plate (ms) approximately 2700mm high	20	L.M		
	CARRIED TO COLLETION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	PAINTING AND DECORATION				
	Knot, prime and stop, prepare and apply one undercoat and three finishing coat first gradeexternal quality gloss oil paint on wood work surface as described:				
A	Surfaces over 200mm but not exceeding 300mm girth	54	L.M		
	Touch up primier, prepare and spraypaint one undercoat and three final coats first grade external quality gloss oil paint on metal surfaces				
B	General Surface of mild steel gutters	37	S.M		
	CARRIED TO COLLECTION				
	COLLECTION				
	Brought forward from page 7				
	Brought forward from page 8				
	Brought forward from above				
	TOTAL FOR ROOFING CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO 5 **DOORS** Standard section purpose made heavy duty glazed steel casement door in 200 x 250mm high panes prepared for glazing (m.s) complete with all requisite frame, sub-frames, mullions, transomes, fixing lugs cast on, 1 1/2 pairs heavy duty pin type hinges associated casement door lock and handles, 2 x 200mm wide x 16 gauge bottom plate, including one coat red oxide primer before fixing and mastic sealant all around as described in:				
A	Door Size 900 x 2100mm high overall in two equal leaves	2	N.O		
	Prepare and apply three coats oil paint full gloss to Crown Solo or other equal and approved to: -				
B	General surfaces of doors; internal and external	8	S.M		
	Glazing				
C	4mm Thick clear sheet glass panes over 0.1 but not exceeding 0.5 square meters; fixing with putty.	4	S.M		
	TOTAL FOR DOORS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 6 **WINDOWS** Supply, assemble and fix the following purpose-made mild steel casement windows; standard metal section from approved manufacturer complete with frames, transomes, mullions and with and including permanent ventilators comprising "T" bar, gauze and 16 gauge sheet metal hood 50mm high x 50mm projection to full width of window, coupling mullions, approved ironmongery and one coat manufacturer's primer; all welding ground to smooth finish				
A	Window overall size 1500x1500mm high	10	N.O		
	Glazing				
B	5mm Thick clear sheet glass panes over 0.1 but not exceeding 0.5 square meters; fixing with putty.	22	S.M		
	Painting and Decorations On Metal work Prepare and apply three coats oil paint full gloss to Crown Solo or other equal and approved to: -				
C	General window surfaces	44	S.M		
	TOTAL FOR WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.7				
	WALL FINISHES				
	INTERNAL				
	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; internal	166	S.M		
	Painting and decorations				
	Prepare and apply three coats of first quality silk vinyl paint to: -				
B	Plastered surfaces	166	S.M		
	Render; 18mm thick, 1 No. coatwork of cement and sand (1:3); wood floated to concrete or blockwork base generally to: -				
C	Gable Walls; Beams external	39	S.M		
D	Extra over wall for keying in raked horizontal externally	114	S.M		
	Painting and decorations				
	Prepare and apply three coats of first quality plastic emulsion paint to: -				
E	Walls; Beams; Columns; external	52	S.M		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	FLOOR FINISHES Beds or Backings BACKINGS Screed; cement and sand (1:3)				
A	40mm thick two coat of cement sand screeding (1:3) finished with steel float red oxide (m/s) to concrete base to floors; Internal	172	S.M		
	Carried to collection				
	Collection Brought forward from page 13 Brought forward from page above				
	TOTAL FOR FINISHES CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUMMARY				
A	SUBSTRUCTURE				
B	CONCRETE WORKS				
C	WALLING				
D	ROOFING				
E	DOORS				
F	WINDOWS				
G	FINISHES				
	TOTAL FOR BUILDER WORKS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELECTRICAL WORKS				
A	Supply and fix 25mm diameter PVC of heavy gauge conduits including bends and couplers along its length and fix in preformed chases.	90	L.M		
B	4core ,1.5mm pvc 600/100v insulated copper cable drawn in ducts to lighting points.	110	L.M		
C	5 core ditto but power points (sockets)	38	L.M		
D	Armored cables 600/1000v-3 Core 6942X	48	L.M		
	JUNCTION BOXES				
E	Supply, and fix electrical circular junction boxes.	18	NO		
	ELECTRICAL FITTINGS				
F	Supply and fix approved 13 AMP twin MK sockets plate in socket boxes preformed in recess walling	6	NO		
G	Supply fix and install set to work and commissioned on one way one gang MK switches	2	NO		
H	Ditto two way	2	NO		
	LIGHTING				
H	4ft single X 36 watt fluoroscent fitting with corrosion resistant enclosure for T8 lamps (4 for each class and one for verandah)	10	NO		
	TOTAL FOR ELECTRICAL WORKS CARRIED TO GRAND SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs)
	P.C. & PROVISIONAL SUMS				
A	Allow a contingency sum of KSH 60,000 to be exepended on written authouty of Architect or to be ommitted if not utilised	ITEM			60,000.00
	PROJECT MANAGER'S ADMINISTRATION EXPENSES				
B	Allow a Provisional Sum of KShs 60,000.00 only for Project Manager's Administration Expenses; Documentation, Stationery and Equipments, and allowances	ITEM			60,000.00
C	Allow a Provisional Sum of KShs 100,000.00 only for Project Management committee fees.				100,000.00
D	Allow kenya shillings 20,000.00 for branding as per client specifications.				20,000.00
	Total carried to Main Summary				**240,000.00**

ITEM NO	DESCRIPTION	PAGE NO	CONTRACTOR USE	OFFICIAL USE
	GRAND SUMMARY			
A	PARTICULAR PRELLIMINARIES			
B	GENERAL PRELIMINARIES			
C	BUILDERS WORK			
D	ELECTRICAL WORKS			
E	PRIME COST AND PROVISIONAL SUMS	PC		
	SUB TOTAL			
F	ADD 0.03% CAPACITY BUILDING LEVY			
	TOTAL QUOTATION FOR THE WORKS CARRIED TO FORM OF TENDER			

Amount in Words: .....

.....

Contractor's Name.....

Address.....

Signature.....

Date.....

Witnesses' Name.....

Address.....

Signature.....

Date.....