CONSTRUCTION OF 1 NO SPECIAL CLASSROOM , AT KOINANGE PRIMARY SCHOOL NAKURU WEST SUB COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 1				
	SUBSTRUCTURE (PROVISIONAL)				
A	Excavating oversite to remove top vegetable soil				
	average 150mm disposing on site average 50m from excavations	138	SM		
B	Mass excavation to reduce level not exceeding 1.50m deep and cart away	32	CM		
C	Excavate trenches in red soil to receive foundations not exceeding 1.50m deep starting from reduced level	56	CM		
D	Ditto for column bases	16	CM		
E	Extra over normal excavation for excavating in rock of any class	4	CM		
F	Backfill and compact selected excavated materials in 150mm thick layers	28	CM		
G	Load and cart away surplus excavated material	43	CM		
H	Allow for keeping all excavations free from surface and ground water		ITEM		
J	Allow for planking and strutting to uphold sides of all excavations		ITEM		
K	Approved natural stone hard-core; depositing and compacting in 150mm thick layers, levelling	26	CM		
L	25mm thick stone dust or murram blinding over hardcore	89	SM		
M	Termidore 25 EC" insecticide treatment to hard-core beds and tops of foundation walls	89	SM		
	Concrete				
N	Plain concrete (1:4:8) in 50mm thick blinding under strip footings	27	SM		
	Vibrated reinforced concrete class 20/20 to:				
P	Foundations in trenches	6	CM		
Q	100mm thick horizontal ground slab	15	SM		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Fabric mesh reinforcement 200mm laps				
A	Reference A1042 weighing 2.22kg per square metre	115	SM		
	Square twisted mild steel reinforcement Bars				
B	8mm diameter bars	72	KG		
C	10mm diameter bars	154	KG		
	Sawn formwork to:				
D	Vertical side of foundations	23	SM		
E	Edges of slab; 75 to 150mm wide	50	LM		
	Approved natural stonework, roughly squared in cement mortar (1:4):25mm wide x20 gauge hoop iron strapping every alternate course				
F	200mm thick walls	56	SM		
G	Extra for attached pier 400x200mm	8	LM		
	500 gauge polythene; 150mm laps				
H	Damp proofing membrane; horizontal	115	SM		
	Cement and sand (1:4) rendering as described				
J	12mm thick, two coatwork to walls steel trowelled	14	SM		
	Painting and Decorations				
K	Prepare prime and apply three coats of black bituminous paint to rendered surface externally	14	SM		
	CARRIED TO COLLECTION				
	COLLECTION				
	Page 1/1 above				
	CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 2 **REINFORCED CONCRETE FRAME**				
	Reinforced concrete class 20/20mm mix (1:2:4) in:-				
A	Ring Beams	3	CM		
	Reinforcement				
	Square twisted mild steel reinforcement in structural concrete works				
B	8mm diameter bars	200	KG		
C	12mm diameter bars	147	KG		
	Sawn formwork as described to:				
D	Sides and soffites of Ring beams	21	SM		
	Galvanized mild steel Pipes				
E	3000mm long, class B, 75mm diameter circular hollow section (CHS) fish tail logs at bottom at 'LS' shapes bracjet 75x50x100mm high at top steel pipes, complete with concrete base,300x300x300mm deep including excavations rate to include a fixing to ground	6	NO		
	Painting and Decoration				
	Prepare surfaces and apply one coat of zinc chromate metal primer rand two finishing coats of gloss oil paint on:				
F	Surface of large pipes	15	LM		
	CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 3				
	EXTERNAL WALLING				
	Machine cut natural quarry stone-work bedded and jointed in cement and sand (1:4) mortar as described in:-				
A	200mm thick walls	105	SM		
B	Extra for attached pier 400x200mm high	13	PRS		
	Vent Blocks				
C	Fix 200x200x25 mm thick pre-cast concrete vents jointed in 1:3 mortar	48	Prs		
	Damp Proofing				
D	200mm wide hesian based damp proof course: 150mm laps	22	LM		
E	Eaves filling to 200mm walls; 300 mm average height	29	LM		
F	Raking cutting to 200mm thick wall	22	LM		
	TOTAL ELEMENT NO. 3 WALL CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 4				
	ROOF CONSTRUCTION, COVERINGS AND RAINWATER DISPOSAL				
	Construction				
	Truss joints to be bolted with appropriated No. of shear connectors or as instructed by Structural Engineer and hoisting approximately 3000mm above ground floor level				
	All carpentry timber to be treated and sawn cypress second grade seasoned to an equilibrium moisture content of between 9% and 15%				
A	100x50mm Wall plate bolted to concrete with and including 12mm diameter bolts at 1500mm centres	27	LM		
B	200x50mm Ridge Board	27	LM		
	The following in 7 No. nailed timber trusses including hoisting and placing 2400mm above ground floor slab level				
C	150x50mm Rafters	88	LM		
D	Ditto, king post	17	LM		
E	Ditto, Tie beam	78	LM		
F	100x50mm strut and ties	108	LM		
G	75x50mm purlins	122	LM		
H	225mm x25mm Fascia and barge board	43	LM		
	ROOF COVERINGS				
K	28 Gauge Resincot galvanized IT4 iron roofing sheets nailed on purlins labour and material	145	SM		
L	Ditto Ridge copping	12	LM		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	RAINWATER DISPOSAL				
A	150x120mm wide 22 gauge Prepainted galvanised mild steel purpose made box gutter	24	LM		
B	Extra over gutter for stopped ends	4	NO		
C	Ditto for rainwater outlets	4	NO		
D	100mmx22 gauge galvanized mild steel purpose made rainwater down pipe	11	LM		
E	Extra over rainwater down pipe for swaneck offset, projecting 600mm	4	NO		
F	Ditto for shoes	4	NO		
	Painting and decoration				
	Prepare surfaces and apply one coat of zinc chromate metal primer and two finishing coats of gloss oil paint on:-				
G	Surfaces of metal gutter 200-300mm girth	48	LM		
H	Surfaces of large pipes	12	LM		
	Knot, prime, stop, prepare surfaces and apply one undercoat and two finishing coats of gloss oil paint on:				
J	General timber surfaces 200-300mm girth externally	43	LM		
	CARRIED TO COLLECTION				
	COLLECTION				
	Page 1/5				
	above				
	TOTAL ELEMENT NO. 4 CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 5				
	DOORS MILD STEEL CASEMENT DOORS				
	Standard door 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 (1:4) mortar, Grille and glazing included, steel casement door comprising 40x25x3mm stiles, bottom and top rail & 4 No. intermediate rails all primed with red oxide.				
A	2100x1200mm door complete with 50x50x3mm fixed angle frame, 2.5mm thick black sheet checkered plate built into panels, top panels left open ffor glazing "Union" 3 lever steel door lock 3x200mm lockable tower bolts	1	NO		
	Glass				
B	4mm thick clear sheet glass and glazing with steel putty compound in panes not exceeding 90.40 square metres	1	SM		
	Flush Doors				
C	45mm thick semi solid cored flush door overall size 1370x2070mm faced butt sides with 3mm plywood facing	3	NO		
D	100x50mm wrot cypress frame one labour	17	LM		
E	20mm quadrant 40x15m Architrave	35	LM		
	Iron mongery				
	Supply and fix the following ironmongery with screws to match (Ref. is to Union Catalogue or other equal abd approved)				
F	Rubber door stop fixed to concrete floor or masonary walling with and including 38mm raw bolt	4	NO		
G	2 Lever mortice bottom door key and turn knob type to Union	2	NO		
	Prepare and apply two undercoat and one finishing coat gloss paint in metak work				
H	General surfaces; steel casement doors	5	SM		
J	Knot prime stop and apply three coats gloss oil paints	12	SM		
K	Ditto surfaces girth 0-199	35	LM		
L	Ditto 100-200mm	17	LM		
	TOTAL ELEMENT NO. 5 CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 6				
	WINDOWS				
	Purpose made steel casement windows in 25mm wide standard casement 'z' sections comprising permanent ventilators with T-bar, gauze and metal hood for full width of window; all ironmongery and one coat red oxide primer by manufacturer.				
A	1500x1500mm window	4	NO		
B	1500x900mm window	4	NO		
C	900x300mm window	2	NO		
	Cill				
D	100x150x15mm clay tile cills, bedding; jointing in cement mortar (1:4): pointing in coloured cement mortar (1:4)	14	LM		
	Glass and glazing to metal with glazing compound				
E	4mm thick clear sheet glass 0.10 to 0.50 square metres	16	SM		
	Painting and Decoration				
F	Touching up manufacturer's priming coat, two undercoats and one finishing coat to glazed metal surfaces internally	16	SM		
G	Ditto to glazed metal surfaces externally	16	SM		
	TOTAL FOR ELEMENT NO. 6 WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT No. 7 **FINISHES** **EXTERNAL WALL FINISHES**				
	Extra over dressed stone walling for;				
A	Labour for forming recessedhorizontal joints and flush vertical joints on walls in cement mortar (1:3) externally	65	SM		
	INTERNAL WALL FINISHES **Cement and sand (1:2:9) plaster as describes in:-**				
B	15mm Thick to vertical surfaces	164	SM		
C	Extra over for black board	32	SM		
	Prepare and apply three coats silk vinyl plastic emulsion paint as described on:-				
D	Plastered surfaces	164	SM		
	FLOOR FINISHES				
	EXTERNAL FLOOR FINISHES **Cement and sand (1:3) screed finished with Red Oxide as described in:-**				
E	Floors 40mm thick, trowelled hard and smooth	22	SM		
F	20x100mm high skirting	12	LM		
	INTERNAL FINISHES ***Cement and sand (1:3) screed finished with Red Nil Oxide as described in:-***				
G	Floors 40mm thick, trowelld hard and smooth	82	SM		
H	Floors 32mm thick	8	SM		
J	20x100mm high skirting	44	LM		
	CEILING FINISHES **Sawn cypress, pressure impregnated as described in:-**				
K	50x50mm brandering	344	LM		
	Wrot cypress prime grade as described in:-				
L	75x25mm cornice with three labours; plugged	67	LM		
M	12mm thick 'celotex' ceiling lining with vee butt joints	90	SM		
N	Extra for access panel size 600x600mm; including 50x50mm framing	2	NO		
	Paved areas rear Building plinth 600mm wide				
P	50mm thick in-situ concrete 600mm wide screeded with cement sand 1:4 mix steel trowelled hard and smooth	11	SM		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Tiling				
A	300x300x8mm thick Non-slip ceramic floor tiling fixed with an approved adhesive	8	SM		
B	Extra for tile skirting 100mm high	15	LM		
C	200x250mm thick coloured glazed wall tiling fixed with an approved adhesive on and including 12mm cement backing	22	SM		
	External wall finishes				
	Cement and sand (1:4) render wood floated				
D	12mm thick to beams	12	SM		
E	12mm thick to gable walls	13	SM		
F	12mm thick to front façade	20	SM		
	Painting and Decorations				
G	Prime back of timber surfaces not exceeding 100mm girth	64	LM		
	Prepare and apply three coats silk vinyl plastic emulsion paint as described on:-				
H	Soft board ceiling	90	SM		
	Prepare and apply three coats black board paint to:				
J	Plastered surfaces	32	SM		
	Prepare and aply three coats plastic emulsion paint to				
K	Rendered surfaces external	45	SM		
	COLLECTION				
	Page 1/9				
	above				
	TOTAL FOR ELEMENT NO. 7 CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 8				
	PC SUMS				
A	Provide all the materials, fabricate and erect project name board in 75mm diameter 3mm thick steel pipes in 150mm wide and 600mm deep holes and supported in mass concrete class 15/20 pedestrial. The face of the board to be 1000mmx900mm written both sides as instructed.		NO		
B	Allow a provisional sum of Kenya shillings Sixty Thousand only for transport costs of Engineers site supervisory staff		SUM		
C	Allow a provisional sum of Kenya shillings Twenty thousand only for client transport		SUM		
D	Allow a provisional sum of Kenya shillings one hundred Thousand only for electrical installation		SUM		
E	Allow Kenya shillings one hundred thousand for Plumbing and drainage system including sanitary fittings		SUM		
F	Allow Kenya shillingsThree hundred thousand for fifty (50) persons septic tank capacity as per MOW Drawings		SUM		
G	Allow a sum of kenya shillngs one hundred and twenty thousand for equipping		SUM		

ITEM	DESCRIPTION				AMOUNT
	SUMMARY 1NO SPECIAL CLASSROOM AT KOINANGE PRIMARY SCHOOL				
A	SUBSTRUCTURE FROM PAGE 1/2				
B	REINFORCED CONCRETE FRAME FROM PAGE 1/3				
C	WALLING FROM PAGE 1/4				
D	ROOFING FROM PAGE 1/6				
E	DOORS FROM PAGE 1/7				
F	WINDOWS FROM PAGE 1/8				
G	FINISHES FROM PAGE 1/10				
H	TOTAL FOR PROVISIONAL SUMS FROM PAGE 1/12				
	Sub-Total 01				
	Add 16% V.A.T				
	GRAND TOTAL CARRIED TO FORM OF TENDER				

Contract Period ……weeks

Amount in words …..……..…….
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Tenderers Name ……...…….
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Adress ……...…….
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Signature ……..……..Date……...…….
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