

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 1</u>				
	<u>SUBSTRUCTURE (PROVISIONAL)</u>				
A	Excavating oversite to remove top vegetable soil average 150mm disposing on site average 50m from excavations	270	SM		
B	Mass excavation to reduce level not exceeding 1.50m deep	64	CM		
C	Excavate trenches in red soil to receive foundations not exceeding 1.50m deep starting from reduced level	112	CM		
D	Ditto for column bases	30	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	109	CM		
G	Load and cart away surplus excavated material	95	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	52	CM		
L	25mm thick stone dust or murrum blinding over hardcore	174	SM		
M	Termidore 25 EC" insecticide treatment to hard-core beds and tops of foundation walls	178	SM		
	<u>Concrete</u>				
N	Plain concrete (1:4:8) in 50mm thick blinding under strip footings	50	SM		
	<u>Vibrated reinforced concrete class 20/20 to:</u>				
P	Foundations in trenches	10	CM		
Q	100mm thick horizontal ground slab	178	SM		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Fabric mesh reinforcement 200mm laps</u>				
A	Reference A1042 weighing 2.22kg per square metre	178	SM		
	Square twisted mild steel reinforcement Bars				
B	8mm diameter bars	108	KG		
C	10mm diameter bars	230	KG		
	<u>Sawn formwork to:</u>				
D	Vertical side of foundations	34	SM		
E	Edges of slab; 75 to 150mm wide	76	LM		
	<u>Approved natural stonework, roughly squared in cement mortar (1:4);25mm wide x20 gauge hoop iron strapping every alternate course</u>				
F	200mm thick walls	92	SM		
G	Extra fpr attached pier 400x200mm	14	LM		
	<u>500 gauge polythene; 150mm laps</u>				
H	Damp proofing membrane; horizontal	178	SM		
	<u>Cement and sand (1:4) rendering as described</u>				
J	12mm thick, two coatwork to walls steel trowelled	20	SM		
	<u>Painting and Decorations</u>				
K	Prepare prime and apply three coats of black bituminous paint to rendered surface externally	20	SM		
	CARRIED TO COLLECTION				
	COLLECTION				
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	above 2/2				
CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 2</u> <u>REINFORCED CONCRETE FRAME</u>				
A	Roof Beams <u>Beams</u> <u>Reinforcement (All Provisional)</u> <u>Mild steel round reinforcement bars to BS 449 to structural concrete work</u>	4	CM		
B	8mm diameter bars <u>Square twisted mild steel reinforcement in structural concrete works</u>	125	KG		
C	12mm diameter bars <u>STEEL COLUMNS</u> <u>Sawn formwork as described to:</u>	225	KG		
D	Sides and soffites of Roof beams	28	SM		
E	75mmx2mm thick Circular Hollow Section (CHS) 2500mm long fixed with fish tail lugs to concrete floor slab <u>Cement, Sand and Lime (1:2:) render as as describes to:-</u>	8	NO		
F	15mm Thick to vertical surfaces of beams <u>Prepare and apply three coats silk vinyl plastic emulsion paint as described on:-</u>	16	SM		
G	Plastered surfaces, internally and externally <u>Galvanized mild steel Pipes</u>	16	SM		
H	3000mm long, class B, 75mm diameter steel pipes, complete with concrete base, rate to include a fixing to ground <u>Painting and Decoration</u> <u>Prepare surfaces and apply one coat of zinc chromate metal primer and two finishing coats of gloss oil paint on:</u>	9	NO		
J	Surface of large pipes	22	LM		
CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 3</u>				
	<u>EXTERNAL WALLING</u>				
	<u>Machine cut natural quarry stone-work bedded and jointed in cement and sand (1:4) mortar as described in:-</u>				
A	200mm thick walls <u>Vent Blocks</u>	156	SM		
B	Provide, deliver to site and fix 200x200x25 mm thick pre-cast concrete vents jointed in 1:3 mortar	16	NO		
	<u>Damp Proofing</u>				
C	200mm wide hesian based damp proof course: 150mm laps	60	LM		
D	Eaves filling to 200mm walls; 300 mm average height	36	LM		
E	Raking cutting to 200mm thick wall	29	LM		
	TOTAL ELEMENT NO. 3 WALL CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 4				
	<u>ROOF CONSTRUCTION, COVERINGS AND RAINWATER DISPOSAL</u>				
	<u>Construction</u>				
	<u>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</u>				
	<u>All carpentry timber to be treated and sawn cypress second grade seasoned to an equilibrium moisture content of between 9% and 15%</u>				
A	100x50mm Wall plate bolted to concrete with and including 12mm diameter bolts at 1500mm centres	36	LM		
B	200x50mm Ridge Board	20	LM		
	<u>The following in nailed timber trusses including hoisting and placing 2400mm above ground floor slab level</u>				
C	150x50mm Rafters	156	LM		
D	Ditto, king post	22	LM		
E	Ditto, Tie beam	124	LM		
F	Ditto Struts and ties	158	LM		
G	75x50mm purlins	120	LM		
H	225mm x25mm Fascia and barge board	58	LM		
J	150x150 mm bearer top of circular hollow section	20	LM		
	<u>ROOF COVERINGS</u>				
J	28 Gauge Prepainted galvanized IT4 iron roofing sheets nailed on purlins labour and material	224	SM		
K	Ditto Ridge coppingg	20	LM		
	CARRIED TO TOLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>RAINWATER DISPOSAL</u>				
A	150x120mm wide 22 gauge Prepainted galvanised mild steel purpose made box gutter	40	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		
D	Extra over rainwater down pipe for swanek offset, projecting 600mm	4	NO		
E	Ditto for shoes	4	NO		
	<u>Painting and decoration</u>				
	<u>Prepare surfaces and apply one coat of zinc chromate metal primer and two finishing coats of gloss oil paint on:-</u>				
D	Surfaces of metal gutter 200-300mm girth	40	LM		
E	Surfaces of large pipes	11	LM		
	<u>Knot, prime, stop, prepare surfaces and apply one undercoat and two finishing coats of gloss oil paint on:</u>				
F	General timber surfaces 200-300mm girth externally	58	LM		
	CARRIED TO COLLECTION				
	<u>COLLECTION</u>				
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	above				
	TOTAL ELEMENT NO. 4 CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 5				
	MILD STEEL CASEMENT DOORS				
	<u>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.</u>				
A	2100x900mm door complete with 50x50x3mm fixed angle frame, 2.5mm thick black sheet checkered plate built into panels, top panels left open for glazing "Union" 3 lever steel door lock 3x200mm lockable tower bolts	2	NO		
	<u>Iron mongery</u>				
	<u>Supply and fix the following ironmongery with screws to match (Ref. is to Union Catalogue or other equal and approved)</u>				
B	Rubber door stop fixed to concrete floor or masonry walling with and including 38mm raw bolt	2	NO		
	<u>Prepare and apply two undercoat and one finishing coat gloss paint in metal work</u>				
C	General surfaces; steel casement doors	10	SM		
	TOTAL ELEMENT NO. 5 CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 6</u>				
	WINDOWS				
	<u>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.</u>				
A	1500x1500mm window	8	NO		
B	1500x900mm window	6	NO		
	<u>Cill</u>				
C	100x150x15mm clay tile cills, bedding; jointing in cement mortar (1:4); pointing in coloured cement mortar (1:4)	26	LM		
	<u>Glass and glazing to metal with glazing compound</u>				
D	4mm thick clear sheet glass 0.10 to 0.50 square metres	26	SM		
	<u>Painting and Decoration</u>				
E	Touching up manufacturer's priming coat, two undercoats and one finishing coat to glazed metal surfaces internally	26	SM		
H	Ditto to glazed metal surfaces externally	26	SM		
TOTAL FOR ELEMENT NO. 6 WINDOWS CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT No. 7</u> <u>FINISHES</u> <u>EXTERNAL WALL FINISHES</u>				
A	Extra over dressed stone walling Labour for forming recessed horizontal joints and flush vertical joints on walls in cement mortar (1:3) externally	156	SM		
	<u>INTERNAL WALL FINISHES</u> <u>Cement and sand (1:2:9) plaster as describes in:-</u>				
B	15mm Thick to vertical surfaces	156	SM		
C	Extra over for black board	64	SM		
	<u>Prepare and apply three coats silk vinyl plastic emulsion paint as described on:-</u>				
	<u>FLOOR FINISHES</u> <u>EXTERNAL FLOOR FINISHES</u> <u>Cement and sand (1:3) screed finished with Red Oxide as described in:-</u>				
D	Floors 40mm thick, trowelled hard and smooth	38	SM		
E	20x100mm high skirting	22	LM		
	<u>INTERNAL FINISHES</u> <u>Cement and sand (1:3) screed finished with Red Nil Oxide as described in:-</u>				
F	Floors 32mm thick, trowelld hard and smooth	134	SM		
G	20x100mm high skirting	64	LM		
	<u>CEILING FINISHES</u> <u>Sawn cypress, pressure impregnated as described in:-</u>				
H	50x50mm brandering	570	LM		
J	75X50 mm ditto plugging <u>Wrot cypress prime grade as described in:-</u>	86	LM		
K	75x25mm cornice with three labours; plugged	86	LM		
L	12mm thick 'celotex' ceiling lining with vee butt joints	178	SM		
M	Extra for access panel size 600x600mm; including 50x50mm framing	2	NO		
	<u>prepare and apply three coats silk vinyl plastic emulsion paint as described on ;</u>				
N	plastered surfaces	156	SM		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Paved areas around Building Plinth</u>				
A	75mm thick in-situ concrete 600mm wide screeded with cement sand 1:4 mix steel trowelled hard and smooth	22	SM		
	<u>External wall finishes</u>				
B	12 mm render mix (1:4) to gable walls	13	SM		
C	Ditto to eaves	16	LM		
D	Prime back of timber surfaces not exceeding 100 mm girth	86	LM		
	<u>Painting and Decorations</u>				
	<u>Prepare and apply three coats silk vinyl plastic emulsion paint as described on:-</u>				
E	Soft board ceiling	178	SM		
F	Ditto rendered	29	SM		
	<u>COLLECTION</u>				
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	above				
	TOTAL FOR ELEMENT NO. 7 CARRIED TO SUMMARY				

Electrification of ECD classes -Typical Twin classroom

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Supply ,install ,test and commission the following</u>				
1	lighting point wired in 3 x1.5 mm ² square single core pvc copper cables drawn in 20mm diamete HG PVC concealedbuilding fabric including all accessories but without lighting switches and fitting for one way switching	16	NO		
2	5A white included lighting switches as mk or approved equivalent i) 1 gang 1 way	2	NO		
	ii) 2 gang 1 way	2	NO		
3	Light fittings complete with lamps, fixing and final connections i) 1200mm, 1 x 36W single flourescent lighting fittings with opal diffuser for surface mounting as thorn or approved equivalent	14	NO		
	ii)2.8 W flourescent bulk head fitting as thorn or approved equivalent	2	NO		
4	power point wired in 3 x1.5 mm ² square single core pvc copper cables drawn in 20mm diamete HG PVC concealedbuilding fabric including all accessories	4	NO		
5	13A twin switched socket outlet plate ivory type as MK or approved equivalent	4	NO		
6	Sub -main containing 3x6.0 sq mm sc PVC copper cable in concealed in 32mm diameter HG PVC condiut from the CLB to	10	M		
7	4 way SPN consumer unit complete with 100 A intergral isolator as Hager or equal and approved equivalent.	1	NO		
8	MCB's as harvell or approved equivalent : i)5A	2	NO		
	ii)30 A	2	NO		
9	standard cable loop in box	1	NO		
10	Earthing the cable loop in box	1	NO		

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUMMARY 2NO ECD CLASSROOM WITH PUPILS TOILET				
A	SUBSTRUCTURE FROM PAGE	1			
B	REINFORCED CONCRETE FRAME FROM PAGE	3			
C	WALLING FROM PAGE	4			
D	ROOFING FROM PAGE	6			
E	DOORS FROM PAGE	7			
F	WINDOWS FROM PAGE	8			
G	FINISHES FROM PAGE	10			
H	PC SUMS FROM PAGE	11			
	Sub-Total 01				
J	fabricate and erect project name board in 50mm diameter 3mm thick steel pipes as per attached drawing	1	NO		20,000
K	Sum of kenya Shillings Forty Thousand only for payment of transport costs of Engineer site supervisory staff		SUM		40,000
L	Sum of Kenya shillings Twenty Thousand only for Project Management		SUM		20,000
M	Sum of kenya Shillings Forty Thousand only for supply delivery ,installation and commissioning of 1 No.3000 litres rainwater plumbing water tank complete with concrete base pipe and 12mm pexlar bib tap (In No.1)		SUM		40,000
N	Sum of Kenya shillings Five hundred and Seventeen thousand for 4door pit toilet for pupils including washing point		SUM		517,000.00
	SUB-TOTAL				
P	Add 16% V.A.T				
GRAND TOTAL					
CARRIED TO FORM OF TENDER					
Contract Periodweeks					
Amount in words					
Tenderers Name					
Adress					
SignatureDate.....					