

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 01: SUBSTRUCTURES</u> <u>(All Provisional)</u>				
	<u>Site clearance</u>				
A	Clear site to remove shrubs and other vegetation and cart away debris	170	SM		
	<u>Excavations to Reduce Levels</u>				
B	Excavate vegetable top soil average 200 mm deep and cart away debris as directed	140	SM		
C	Excavate to reduced levels 250mm thick	42	CM		
	<u>Excavations for trenches</u>				
D	Excavate foundation trench not exceeding 1.5 m deep starting from stripped level actual depth for excavation average depth to be determined on site	65	CM		
	<u>Backfilling</u>				
E	Return fill and ram in selected excavated material around foundation wall sides 200 mm	23	CM		
	<u>Hardcore Laying</u>				
F	250mm thick approved hardcore filling consolidated and rolled in layers not exceeding 150mm thick.	40	CM		
	<u>Murram Blinding</u>				
G	50mm thick murram blinding to surfaces of hard-core with approved fine inert material.	140	SM		
	<u>Anti termite treatment</u>				
H	"Termidor" or equal Insecticide treatment to surface of blinding with 10 year guarantee	148	SM		
	<u>Lean concrete (1:4:8) in:-</u>				
I	50mm thick blinding under strip foundations.	2	CM		
	<u>Concrete Class 20/20 (1:2:4) in ;</u>				
J	10mm thick Floor slab.	148	SM		
K	Strip foundation footing	9	CM		
L	Ramp	0.5	CM		
	<u>Total carried to collection</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Steel Fabric Reinforcement</u>				
A	B.R.C Mesh Reinforcement type A 98 weighing 2.22 KG/SM with minimum 300 mm end and side laps.	148	SM		
	<u>Sawn Formwork to;</u>				
B	Edge of slab 75-150mm wide.	51	LM		
	<u>Foundation Walling</u>				
C	200mm thick Quarry stone walling bedded and jointed in cement sandmortar (1:3) and reinforced with 16gauge hoop iron at alternate course	64	SM		
	<u>Damp proofing</u>				
D	1000 gauge damp proof membrane laid with minimum 300 mm side and end laps	148	SM		
E	200 mm wide bituminous based damp proof course on walls	50	LM		
	<u>Plinths</u>				
F	Render and set 12 mm thick cement and sand (1:4) plaster on plinth	18	SM		
G	Prepare and apply three coats gloss emulsion paint to rendered surfaces externally	18	SM		
	<u>Reinforcements</u>				
	Reinforcements, include for tying wires and spacer blocks for strip footing				
H	10mm diameter	114	KG		
I	8mm diameter	64	KG		
	Total carried to collection				
	<u>Total for page 1 to collection</u>				
	<u>Total brought down from above</u>				
	Totals for Element 01 carried to summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 02: SUPERSTRUCTURES</u>				
	<u>Walling</u>				
A	200mm thick well seasoned brick walling bedded and jointed in mortar and recessed and pointed on one side in cement sand mortar (1:4) to approval reinforced with hoop iron gauge 16 at every alternate course	112	SM		
B	100mm thick ditto	27	SM		
	<u>Ringbeam</u>				
C	Vibrated concrete mix 1:2:4	4	CM		
	<u>Reinforcements</u>				
	Reinforcements, include for, cutting fixing, tying wires and spacer blocks				
D	12mm diameter	230	KG		
E	8mm diameter	130	KG		
	<u>Formwork</u>				
F	sawn cypress formwork to sides and soffits of ditto	50	SM		
	<u>Total for Walling carried to Summary</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
ELEMENT 03: WINDOWS					
<u>Standard heavy duty steel casement window with fasteners and stays complete</u>					
A	Window size 1500x1500mm high	4	NO		
B	Window size 2000x1500mm high	1	NO		
C	Window size 1500x900mm high	4	NO		
D	Size 2400x1500mm high with steel casement frames only glazed using 6mm thick tinted on one side to approval.				
<u>Glazing</u>					
E	4mm thick clear sheet glass and glazing in panes 0.1-0.5 M with putty	19	SM		
F	6mm thick tinted on one side ditto				
<u>Window Cill</u>					
G	300mm widex 50mm thick insitu cast window cill to approval with 5mm diameter throat at soffites and painted	16	LM		
<u>Carried to Summary</u>					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 04: DOORS				
	<u>Steel Doors</u>				
A	<u>Fabricate, deliver and install 1200x2400mm high purpose made steel casement door (to Arch detail) to comply to B.S 990, obtained from an approved manufacturer, primed with redoxide primer before delivery to site complete with frame, hinges, handles, catches</u>	3	NO		
	<u>Painting</u>				
B	Gloss oil paint to surface of steel door internally	9	SM		
C	Ditto externally	9	SM		
D	Rubber Door stoppers plugged to floor with 38mm rag bolt	3	NO		
	<u>Carried to Summary</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
ELEMENT 05: FINISHES					
	<u>Floor</u>				
A	20mm Thick coloured Cement sand screed finished to approval	123	SM		
	<u>Walling</u>				
	<u>Internally</u>				
B	12mm thick Gauged plaster comprising 9mm thck c/s mortar (1:4); 3mm thick cement lime (1:1) steel trowelled to approval	150	SM		
C	Prepare and apply undercoat and three coats gloss oil paint on plastered surface.	150	SM		
	<u>Externally</u>				
D	Chisel and form key to horizontal & vertical joint	87	SM		
E	Render beams and gable surface	20	SM		
F	Prepare and apply three coats emulsion paints and rendered surface.	20	SM		
	<u>Ceiling</u>				
G	12mm thick chipboard ceiling nailed to approved battens	153	SM		
H	50x50m sawn cypress timber battens to receive ditto at 600mm centres	534	LM		
I	Prepare and apply three coats emulsion paint on ceiling soffites.	153	SM		
J	600x600x50mm thick precast paving slabs well jointed in cement sand (1:3) bedded on well made 50mm thick compacted sand or quarry dust to appro	32	SM		
	<u>Carried to Summary</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 06: ROOFING & RAINWATER GOODS</u>				
	<u>Roof sheets</u>				
A	30 gauge prepainted GCI sheets including nails and rubber washers	192	SM		
	<u>Ridge Cap</u>				
B	28 gauge ridge cap	17	LM		
	<u>Fascia Board</u>				
C	Fascia/Barge boards 200x25 mm thick sawn cypress and planed to approval	48	LM		
	<u>Paint</u>				
D	Paint to ditto	10	SM		
	<u>Downpipes</u>				
E	GI Downpipes 100mm diameter including brackets and shoe to approval	6	LM		
	<u>Paint</u>				
F	paint to ditto	2	SM		
	<u>Gutters</u>				
G	26 gauged water gutters plugged on rafters	32	LM		
	<u>Timber Members</u>				
	<u>All structural timber to be second grade sawn and planed celcured cypress to approval.</u>				
H	Ties and struts 100x50mm	142	LM		
I	Kingposts 150x50mm	28	LM		
J	Tie beams 150x50mm	94	LM		
K	Rafters 150x50mm	126	LM		
L	Purlins 75x50mm	192	LM		
M	150x50mm Wall plate	32	LM		
	<u>Bolts</u>				
N	150mm long;12mm brass tower bolts complete with nuts and washers on wallplate at 1200mm centres	26	NO		
	<u>Carried to Summary</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p align="center"><u>ELEMENT 07: FITTINGS</u></p> <p>Provide two number shelves made using MDF board with 12 No compartments of equal sizes 400x450x500mm high complete with hinges and locks to architect's design and should be mounted to walls and so be done to approval by the PM.</p> <p>General size 1200x450x2000mm high to offices</p>	2	NO		
	<u>Carried to Summary</u>				

BILLS OF QUANTITIES

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>CLASSROOM BUILDING WORK SUMMARY</u>				
A	Substructure				
B	Walling Superstructure				
C	Windows				
D	Doors				
E	Finishes				
F	Roofing and Rainwater goods				
G	Fittings				
	GRAND TOTAL				

PIT LATRINE CONSTRUCTION

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 01</u>				
	<u>SUBSTRUCTURES</u>				
	<u>Site clearance</u>				
A	Clear site to remove shrubs, small trees and other vegetation and grub roots and cart away debris	15	SM		
	<u>Excavations for Pit</u>				
	All excavations deemed provisional and any other materials of rock nature encountered will have to be quantified and approved by the PM.				
B	Excavations to reduce levels 150mm deep	15	SM		
C	Excavations for Pits commencing stripped level b.n.e 1.5m deep	9	CM		
D	Ditto exceeding 1.5 m but n.e 3.0m	9	CM		
E	Ditto exceeding 3.0m but n.e 4.5m	9	CM		
F	Ditto exceeding 4.5 m but n.e 6.0m	9	CM		
G	Ditto exceeding 6.0 m but n.e 7.5m	9	CM		
H	Ditto exceeding 7.5 m but n.e 9.0m	9	CM		
I	Ditto exceeding 9.0 m but n.e 10.5m	9	CM		
J	Ditto exceeding 10.5 m but n.e 12.0m	9	CM		
K	Excavations trench commencing stripped level 600mm wide.	10	CM		
L	Excavations to reduced levels av. 200mm deepm	3	CM		
	<u>Backfilling</u>				
M	Return fill and ram in selected excavated material around foundation wall sides 200 mm	3	CM		
	<u>Hardcore Filling</u>				
N	250mm thick approved hardcore filling consolidated and rolled in layers not exceeding 150mm thick around foundation.	3	CM		
	<u>Total for page 1 to collection</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Murram Blinding 50mm thick murram blinding to surfaces of hard-core with approved fine inert material.	15	SM		
B	Anti termite treatment "Termidor" or equal Insecticide treatment to surface of blinding with 10 year guarantee	15	SM		
C	Lean concrete (1:4:8) in:- 50mm thick blinding under strip foundations.	1	CM		
D	Concrete Class 20/20 (1:2:4) in ; vibrated and made good to:- 100 mm thick floor slab.	15	SM		
E	200x600mm wide strip foundation concrete footing	1.5	CM		
F	Steel Fabric Reinforcement weighing 2.22 KG/SM ref A142 with minimum 300 mm end and side laps.(measured nett)	15	SM		
G	Sawn Formwork to; Edge of slab 150 mm wide.	18	LM		
H	To soffits of slab	10	SM		
I	Foundation Walling 200mm quarry stone walling bedded and jointed in cement sand mortar (1:3) and made good	11	SM		
J	DPM 1000 gauge damp proof membrane laid with minimum 300 mm side and end laps	15	SM		
K	DPC 200 mm wide,hessian based three ply bituminous based damp proof course on walls	18	LM		
	Totas carried to collection				
	Total for page 1 to collection				
	Total brought down from above				
	Substructures Totals to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 02</u>				
	<u>WALLING SUPERSTRUCTURE</u>				
	<u>Natural stone walling</u>				
A	Brick walling bedded and jointed in mortar and recessed and pointed on one side in cement sand mortar (1:3) to approval. 200mm thick wall reinforced with hoop iron gauge 16 at every alternate course	34	SM		
	<u>Ring beam</u>				
	<u>Concrete work</u>				
B	Vibrated concrete class 20/20 to beams	0.5	CM		
	<u>Reinforcements a.b.d</u>				
	High tensile square twisted reinforcement bars including tying wires and spacer blocks				
C	10mm diameter	34	KG		
D	8mm diameter	30	KG		
	<u>Formwork</u>				
E	Sides and soffits of beams .	6	SM		
	<u>Superstructure Walling to Summary</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 03				
	<u>WINDOWS</u>				
	<u>Supply and fix standard heavy duty steel casement windows with fasteners and stays complete without grills in standard z section framing to receive glazing m.s</u>				
A	Window size 600x600mm high	3	NO		
B	Prepare and apply three coats Gloss oil paint to metal surfaces and window cills externally	1	SM		
	<u>Glazing</u>				
C	4mm thick clear sheet glazing to panes 0.1-0.5 sm with putty	1	SM		
	<u>Window cills</u>				
D	300mm wide,600mm long 50mm thick insitu cast window cills to approval with 5mm diameter throat at the soffit edge of ditto fixed with mortar 1:3 to approval and painted m.s	2	LM		
	<u>Paint to ditto</u>				
E	3 coats gloss oil paint to ditto	1	SM		
	<u>Carried to Summary</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
ELEMENT 04: DOORS					
A	Semi Solid core flush door;45 mm thick,lipped Ditto 900x2050 high	3	NO		
B	100x50mm door frame plugged with 4 labours	9	LM		
C	50x25mm Architrave	9	LM		
<u>Ironmongery</u>					
D	100mm steel butt hinges to approval	5	Prs		
E	2 -lever mortice lock complete with furniture as "UNION" or equivalent	3	NO		
<u>Painting</u>					
F	3 coats Gloss oil paint to surface of timber door internally	5	SM		
G	Ditto externally	5	SM		
H	Ditto surface not exceeding 100mm for timber door frames	9	LM		
<u>Rubber Door Stops</u>					
I	Rubber Door stoppers plugged to floor with 38mm diameter 59mm deep catalogue no 8400 including 32mm deep iron lug plugged to floor	3	NO		
<u>Carried to Summary</u>					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 05: FINISHES</u>				
	<u>Floor</u>				
A	38mm Thick coloured terrazo finished to approval	9	SM		
	<u>Walling</u>				
	<u>Internally and external gables faces</u>				
B	12mm thick Gauged plaster.	34	SM		
C	Prepare and apply undercoat and three coats gloss oil paint on plastered surface.	34	SM		
	<u>Externally</u>				
D	Chisel and form key to horizontal & vertical joint	4	SM		
	<u>Raking Cutting</u>				
E	Raking Cutting to gable walling and made good	8	LM		
	<u>Plinths</u>				
F	Render and set 12 mm thick cement and sand mortar mix 1:3 and made good	6	SM		
G	Prepare and apply three coats gloss emulsion paint to ditto.	6	SM		
	<u>Stack pipe</u>				
H	100mm diameter PVC stack pipe a fixed to floor slab and protruding through the roof structure	8	LM		
I					
	<u>Carried to Summary</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 06:ROOFING & RAINWATER GOODS</u>				
	<u>Roof sheets</u>				
A	30 gauge prepainted GCI sheets including nails and rubber washers	14	SM		
	<u>Timber Members</u>				
	<u>All structural timber to be second grade sawn and planed celcured cypress to approval.Consider that members are taken uniform hence summaried as one owing to the magnitude of the project</u>				
B	100x50mm rafters,purlins and wall plates	56	LM		
	<u>Carried to Summary</u>				

ITEM	DESCRIPTION	AMOUNT
<u>PIT LATRINE BUILDING WORK SUMMARY</u>		
A	Element 01: Substructure	
B	Element 02: Walling Superstructure	
C	Element 03: Windows	
D	Element 04: Doors	
E	Element 05: Finishes	
F	Element 06: Roofing	
SUMMARY FOR PIT LATRINE		

ITEM	DESCRIPTION	AMOUNT
<u>PROVISIONAL AND PRIME COST SUMS</u>		
A	Provide P.C sum for Electrical works	75,000.00
B	Provision for Lightning arrestors	50,000.00
SUMMARY FOR PRIME COST SUMS		125,000.00

ITEM	DESCRIPTION	AMOUNT
GRAND SUMMARY		
A	Building Summary from EMC-08	
B	Pit Latrine Building Summary from EMC-16	
C	Provisional and P C Sums from EMC-17	125,000.00
D	SUB TOTALS	
E	Contigencies	100,000.00
G	Project Management	75,000.00
GRAND TOTAL		

GRAND TOTAL CARRIED TO FORM OF TENDER

*** Note that prices quoted are inclusive of all taxes**

CONTRACT PERIOD..... WEEKS

CONTRACTOR'S NAME.....

ADDRESS.....

SIGN.....

DATE.....

STAMP.....