

PROPOSED ERECTION AND COMPLETION OF CEREAL STORE.

ITEM	DESCRIPTION	QTY	UNIT	RATE KSHS.	AMOUNT KSHS.
	<u>STORE</u>				
	<u>ELEMENT NO. 1</u>				
	<u>SUBSTRUCTURES (ALL PROVISIONAL)</u>				
	<u>Excavations</u>				
A	Clear site of small bushes and grub roots of small trees and cart away	72	SM	50	3,600
B	Excavate average 150mm deep to remove the top vegetable soil and cart away	72	SM	50	3,600
C	Excavate for strip foundation not exceeding 1.5m deep from stripped level	87	CM	100	8,700
	<u>Disposal of excavated materials</u>				
D	Backfilling excavated material into foundations, depositing and compacting in layers maximum 150mm thick	32	CM	100	3,200
E	Cart away excavated materials	10	CM	200	2,000
	<u>Planking and Strutting</u>				
F	Allow for Planking and strutting to sides of all excavations including keeping excavations free from fallen materials		Item		1,500
	<u>Disposal of Water</u>				
G	Allow for keeping excavation free from all water by pumping, bailing or otherwise		Item		1,500
	<u>Hardcore filling</u>				
H	300mm Thick fillings, rolled, levelled and compacted in 150mm layers to make up levels	72	SM	350	25,200
I	50mm Stone dust blinding to surface of hardcore	72	SM	80	5,760
	Carried to Collection				55,060

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ITEM	DESCRIPTION	QTY	UNIT	RATE KSHS.	AMOUNT KSHS.
	<u>Damp Proof Membrane</u>				
A	Single layer of 500 gauge polythene sheeting laid on blinded hardcore with 150 mm side laps to receive concrete	72	SM	80	5,760
	<u>Anti - termite treatment</u>				
B	Treat surface of hardcore with 'Termidor 250EC' or similar approved ant-termite solution applied strictly in accordance with the manufacturer's	72	SM	100	7,200
	<u>Concrete work</u>				
	<u>Plain concrete class 15(1:4:8) in :-</u>				
C	50mm Concrete blinding to strip foundations	26	SM	400	10,400
	<u>Vibrated Reinforced concrete class 25/20 in :-</u>				
D	Strip foundation	5	CM	9,000	45,000
E	150mm Thick slab	72	SM	600	43,200
	<u>High tensile square twisted bars to BS 4461 as described in:-</u>				
F	8mm diameter bars	39	KG	120	4,680
G	12mm ditto	115	KG	120	13,800
	<u>Steel fabric mesh reinforcement to B.S. 4483</u>				
H	BRC mesh fabric reinforcement ref A142 (weighing 2.2kg/m ²) laid in ramp (measured net-no allowance made for lamps)	72	SM	350	25,200
	<u>Sawn formwork to: -</u>				
I	Sides of Strip foundation	17	SM	200	3,400
J	Edges of slabs 75-150mm high	34	LM	100	3,400
	Carried to Collection				162,040

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ITEM	DESCRIPTION	QTY	UNIT	RATE KSHS.	AMOUNT KSHS.
	<u>Masonry</u>				
	<u>Natural stone walling bedded in cement and sand mortar (1:3) including reinforcing with hoop iron ties every alternate course.</u>				
A	200mm Thick walling	16	SM	1,200	19,200
	<u>Cement/sand (1:3)</u>				
B	12mm Thick external rendering to plinth surfaces finished smooth with a wood float	16	SM	300	4,800
C	Prepare and apply two coats of bituminous paint to rendered surfaces externally	16	SM	150	2,400
	Carried to Collection				26,400
	<u>COLLECTION</u>				
	From page RH/1				55,060
	From page RH/2				162,040
	From page RH/3				26,400
	Total for Substructure to Summary				243,500

PROPOSED ERECTION AND COMPLETION OF CEREAL STORE.

ITEM	DESCRIPTION	QTY	UNIT	RATE KSHS.	AMOUNT KSHS.
	<u>ELEMENT NO.2</u>				
	<u>R.C. SUPERSTRUCTURE</u>				
	<u>Vibrated Reinforced concrete class 25/20 in :-</u>				
A	Beams	3	CM	9,000	27,000
	<u>Supply and fix steel bar reinforcement including bending, hooking, tying wire, cutting spacers and supporting all in position (PROVISIONAL)</u>				
	<u>High tensile square twisted bars to BS 4461 as described in:-</u>				
B	8 mm diameter bars	44	KG	120	5,280
C	12 mm ditto	163	KG	120	19,560
	<u>Sawn formwork as described to:-</u>				
D	Sides and soffits of beams	30	SM	200	6,000
	Total for Superstructure to Summary				57,840

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ITEM	DESCRIPTION	QTY	UNIT	RATE KSHS.	AMOUNT KSHS.
	<u>ELEMENT NO. 3</u>				
	<u>WALLING</u>				
	<u>Selected Machine dressed masonry stone wall with a minimum of 7.0 N/mm2 (average) compressive strength to B.S 5390; bedded and jointed in cement ssnd (1:3) mortar to approval</u>				
A	200mm Thick walling	150	SM	900	135,000
B	Ditto but gable side	10	SM	900	9,000
C	Extra over walling for horizontal keyed joints	106	SM	300	31,800
D	Raking and cutting to 200mm thick natural stone walling <u>Damp-proofing</u>	10	LM	300	3,000
E	200 mm Wide Hessian based bituminous felt damp proofing course laid and bedded on cement sand (1:4) mortar	95	LM	100	9,500
	Total for Walling to Summary				188,300

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ITEM	DESCRIPTION	QTY	UNIT	RATE KSHS.	AMOUNT KSHS.
	ELEMENT NO 4				
	<u>ROOF CONSTRUCTION AND COVERING</u> (PROVISIONAL)				
	<u>All timber to be in Sawn cypress grade II, pressure impregnated and well seasoned. The contractor to allow in his rates for proper joints and connections</u>				
	<u>Trusses</u>				
	<u>The following in 11No, effective span 1200mm and raised to a height of appriximately 3000mm above ground level;</u>				
A	150 x 50mm rafters	152	LM	250	38,000
B	Ditto kingpost	23	LM	250	5,750
C	Ditto struts and ties	76	LM	250	19,000
D	Ditto tie beam	108	LM	250	27,000
E	Ditto ridge piece	32	LM	250	8,000
F	75 x 50 mm purlins	194	LM	200	38,800
	<u>Wrot Cypress</u>				
G	25 x 300mm Fascia or barge board	220	LM	300	66,000
	<u>Approved 28 gauge pre-painted metal galvanised corrugated sheets</u>				
H	1T4 roof covering sheets fixed to purlins with hook bolts complete with nuts and washers	80	SM	800	64,000
I	Ridge capping to match	170	LM	300	51,000
	<u>Prepare and apply one undercoat and two finishing coats gloss oil paint as crown paints to:-</u>				
	Wood surfaces 200-300mm girths	220	LM	100	22,000
	Total for Roof Structures to Summary				339,550

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ITEM	DESCRIPTION	QTY	UNIT	RATE KSHS.	AMOUNT KSHS.
	<u>ELEMENT NO. 5</u>				
	<u>WINDOWS</u>				
	<u>Clay Works:-</u>				
A	Window cill size 225 x 25mm cill fixed to falls and ends built into blockwork <u>Supply and fix the following in 3mm 'T' and 'L' section steel casement windows to blockwork complete with, framing, mullions, transomes, hinges, approved brass fasteners and stays and fixing lugs and burglar proofed using 20 x 3mm flat bars to the frames and apply one coat red oxide primer before fixing, all to architect's details and approval</u>	2	LM	300	600
B	Window size 1500 x 1500mm high overall	2	NO	6,000	12,000
C	Ditto size 600 x 600mm high	0	NO	3,000	0
	<u>Glazing</u>				
E	6mm Thick clear glass in panes 0.10 m2 but not exceeding 0.5m2	3	SM	1,100	3,300
F	Ditto but obscure	4	SM	1,100	4,400
	<u>Painting</u>				
	<u>Apply:one undercoat and two finishing coats gloss paint to metal surfaces of:</u>				
G	Windows both internally and externally	6	SM	200	1,200
	Total for Window to Summary				21,500

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ITEM	DESCRIPTION	QTY	UNIT	RATE KSHS.	AMOUNT KSHS.
	<u>ELEMENT NO. 6</u>				
	<u>DOORS</u>				
	<u>EXTERNAL DOORS</u>				
	<u>Mild Steel doors</u>				
A	50 mm thick dor size 1200 x 2100mm high overall comprising 125 x 45 x 3 mm RHS external frame all round 45 x 15 x 3mm RHS braces and ledges and faced with 16 mm gauge mild steel plate factory primed.	1	NO	20,000	20,000
	<u>Flush doors</u>				
B	45mm thick MDF semi solid core flush door size 900 x 2100 mm high; consisting or post formed laminate on exposed faces of MDF; lipped all round in hardwood mahogany veneered both sides	0	NO	7,000	0
	<u>Ironmongery</u>				
	<u>Supply and fix the following ironmongery complete with matching screws all as per "union" catalogue or other equal and approved</u>				
C	3 - Lever Aluminium handle	1	NO	3,500	3,500
D	150mm Stainless steel hinges	2	PRS	500	1,000
E	Union rubber door stop	1	NO	300	300
	<u>Wrot Mahogany as described</u>				
F	150 x 50mm Frame with three labours, plugged	0	LM	600	0
G	50 x 20mm Rounded architrave with two labours	0	LM	120	0
H	25 x 25mm mahogany quadrant beading ditto	0	LM	120	0
I	150 x 50mm transomes	0	LM	350	0
J	12mm beading to glazing	0	LM	100	0
	Carried to Collection				24,800

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ITEM	DESCRIPTION	QTY	UNIT	RATE KSHS.	AMOUNT KSHS.
	<u>Glazing</u>				
A	4mm Thick clear glass in panes 0-.5m2	0	SM	1,100	0
	<u>Prepare and apply one coat aluminium primer on back of wood before fixing</u>				
B	Surfaces not exceeding 100mm girth	0	LM	200	0
C	Surfaces 100 -200mm girth	0	LM	200	0
	<u>Apply three coats of poly-urethane clear varnish or equal and approved to:</u>				
D	Surfaces 100 - 200mm girth	0	LM	150	0
E	Surfaces 200 -300mm girth	0	LM	150	0
F	Surfaces of timber	0	SM	200	0
	<u>Prepare and apply one undercoat and two finishing coats of gloss paint to woodwork as described</u>				
G	Wooden surfaces of doors	0	SM	200	0
H	Surfaces 200 - 300mm girth	0	SM	200	0
I	Ditto 0 - 100mm girth	0	LM	100	0
	Carried to Collection				0
	<u>COLLECTION</u>				
	From page RH/8				24,800
	From above				0
	Total for Doors to Summary				24,800

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ITEM	DESCRIPTION	QTY	UNIT	RATE KSHS.	AMOUNT KSHS.
	<u>ELEMENT NO. 7</u>				
	<u>WALL FINISHES</u>				
	<u>EXTERNAL WALL FINISHES</u>				
	<u>15mm Thick Render (1:3) as described to:-</u>				
A	Sides of concrete surfaces	30	SM	350	10,500
B	Door and window reveals 100-200mm girth	20	LM	150	3,000
	<u>Prepare and apply one undercoat and three finishing coats of exterior quality paint to:</u>				
C	Plastered walls and concrete surfaces	20	SM	200	4,000
D	Door and window reveals 100-200mm girth	20	LM	100	2,000
	<u>INTERNAL WALL FINISHES</u>				
	<u>15mm Thick gauged lime plaster (1:2:9) as described to:-</u>				
E	Sides of masonry and concrete surfaces	128	SM	350	44,800
F	Door and window reveals 100-200mm girth	20	LM	100	2,000
	<u>TILES</u>				
G	6mm thick cement sand backing to receive wall tiles	0	SM	300	0
H	Approved ceramic wall tiles on prepared backing	0	SM	2,000	0
	<u>Prepare and apply one undercoat and three finishing coats of interior quality paint as Crown Solo Pure Satin emulsion or other equal and approved to:</u>				
I	Rendered walls, beams and columns	128	SM	200	25,600
J	Door and window reveals 0-100mm girth	20	LM	100	2,000
	Total for Wall Finishes to Summary				93,900

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ITEM	DESCRIPTION	QTY	UNIT	RATE KSHS.	AMOUNT KSHS.
	<u>ELEMENT NO. 8</u>				
	<u>FLOOR FINISHES</u>				
	<u>Cement and sand (1:3) screed as described in:-</u>				
A	30mm Thick screed finished reinforced with fibre mesh hardener	180	SM	400	72,000
B	100mm High skirting	44	LM	80	3,520
	<u>Terrazzo Pavings</u>				
C	30mm thick insitu terrazzo Pavings complete with all plastic dividing strips.	0	SM	2,500	0
	Total for Floor Finishes to Summary				75,520

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ITEM	DESCRIPTION	QTY	UNIT	RATE KSHS.	AMOUNT KSHS.
	<u>ELEMENT NO. 12</u>				
	<u>CEILING FINISHES</u>				
	<u>Chip board ceiling</u>				
A	9 mm thick chip board ceiling on m/s 50 x 50mm brandering	0	SM	600	0
B	Extra over ceiling for trapdoor	0	NO	1,000	0
	<u>Painting and decorating</u>				
	<u>Prepare and apply three coats plastic emulsion paint to:</u>				
C	Surfaces of chip board <u>Brandering</u>	0	SM	200	0
D	50 x 50mm timber brandering plugged	0	LM	150	0
E	Ditto but intermediate at 600mm c/c <u>Sawm Cypress</u>	0	LM	150	0
F	75mm covetto moulded cornice	0	LM	100	0
	Total for Ceiling Finishes to Summary				0

PROPOSED ERECTION AND COMPLETION OF CEREAL STORE.

ITEM	DESCRIPTION	QTY	UNIT	RATE KSHS.	AMOUNT KSHS.
	<u>COMPLETE ADMINISTRATION BLOCK</u>				
	<u>SUMMARY</u>				
1	SUBSTRUCTURE		SQ/3		243,500
2	R.C. SUPERSTRUCTURE		SQ/4		57,840
3	WALLING		SQ/5		188,300
4	ROOFING		SQ/6		339,550
5	WINDOWS		SQ/7		21,500
6	DOORS		SQ/9		24,800
7	WALL FINISHES		SQ/10		93,900
8	FLOOR FINISHES		SQ/11		75,520
9	CEILING FINISHES		SQ/12		0
	TOTAL FOR CEREAL STORE CARRIED TO MAIN SUMMARY				1,044,910