

A BUNGALOW PROJECT BY HPD TEAM

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.1</u>				
	<u>SUBSTRUCTURES (ALL PROVISIONAL)</u>				
	<u>Excavations</u>				
A	Clear site of all shrubs and undergrowth including grubbing up of roots and dispose off as directed.	150	SM	80	12,000.00
B	Excavate oversite average 200mm deep and cart away as directed	150	SM	80	12,000.00
C	Excavate oversite to reduce levels commencing from stripped level exceeding 0.30 meters deep.	44	CM	150	6,600.00
D	Excavate foundation trench starting from reduced level not exceeding 1.50 meters deep.	25	CM	200	5,000.00
	<u>Filling and carting away</u>				
E	Return, fill and ram with selected and approved excavated material around excavations	8	CM	130	1,040.00
F	Load and cart away excavated materials from site	15	CM	450	6,750.00
G	Hardcore filling in making up levels, not exceeding 150mm maximum thickness.	23	CM	1200	27,600.00
H	50 mm selected fine material to hardcore surfaces, well rolled and leveled to receive concrete	150	SM	150	22,500.00
J	Apply "Termidor" or any other similar and approved anti termite chemical treatment on blinded surfaces.	150	SM	250	37,500.00
K	30 gauge polythene sheeting with sides and end laps as described laid on blinded surfaces	150	SM	100	15,000.00
	Carried to Collection				145,990.00

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUBSTRUCTURES-(CONTINUED)</u>				
	<u>Natural stone walling in cement and sand (1:3) mortar and including reinforcing with 20 x 3mm thick hoop iron in every alternate course.</u>				
A	200mm Thick walling	30	SM	1300	39,000.00
	<u>Plinths</u>				
B	12mm thick cement and sand (1:3) render to plinths	22	SM	200	4,400.00
C	Prepare and apply three coats bituminous paint to rendered plinths	22	SM	200	4,400.00
	Carried to Collection				47,800.00
	<u>COLLECTION</u>				
	FROM PAGE MH/1				145,990.00
	FROM PAGE MH/2				291,900.00
	FROM ABOVE				47,800.00
	TOTAL FOR ELEMENT NO. 1 (SUBSTRUCTURES)		CARRIED TO SUMMARY		485,690.00
		KSHS			

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 2</u>				
	<u>REINFORCED CONCRETE SUPERSTRUCTURE</u>				
	<u>Vibrated reinforced concrete grade 20/20 (1:2:4) in:</u>				
A	Ring Beams	5	CM	12000	60,000.00
B	Columns	1	CM	12000	12,000.00
	<u>Sawn formwork to:</u>				
C	Sides and soffites of ring beam	84	SM	500	42,000.00
D	Sides of columns	5	SM	500	2,500.00
	<u>Steel reinforcement as described including cutting to length, bending, hoisting and fixing including all necessary tying wires and spacing blocks (all provisional)</u>				
	<u>Mild Steel Reinforcement</u>				
E	Assorted diameter reinforcement bars	500	KG	130	65,000.00
	TOTAL FOR ELEMENT NO. 2				181,500.00
	(SUPERSTRUCTURES)				
	CARRIED TO SUMMARY				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 3</u>				
	<u>WALLING</u>				
A	200mm wide approved quality 3-ply bituminous felt damp proof course under walls	78	LM	150	11,700.00
	<u>Smooth chisel dressed natural stone walling in cement and sand (1:4) mortar reinforced with and including 25 x 3mm thick hoop iron in every alternate course</u>				
B	200mm Thick walling externally	118	SM	1500	177,000.00
	<u>Medium chisel dressed natural stone walling in cement and sand (1:4) mortar reinforced with and including 25 x 3mm thick hoop iron in every alternate course</u>				
C	200mm Thick walling internally	78	SM	1500	117,000.00
	<u>Permanent ventilation</u>				
D	Pair of permanent ventilation size 225 x 225 x 25mm thick fixed with and including mosquito wire gauze	15	NO	300	4,500.00
E	Leave or form hole in 200mm thick wall size 225 x 225mm wide	15	NO	120	1,800.00
F	Eave filling to 200mm thick wall extreme height 300mm	44	LM	250	11,000.00
	TOTAL FOR ELEMENT NO. 2 (WALLING) CARRIED TO SUMMARY				323,000.00

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.4</u>				
	<u>ROOFING</u>				
A	<u>27 degree pitch roof tiles colour to approval on c.g.i roofing underlay on 100 x 50mm timber purlins on 100x50mm timber trusses/rafter on 100 x 50mm wall plate to S.ES details.</u> <u>Provide gutters and downpipe.</u>	194	SM	1600	310,400.00
B	C.g.i underlay	194	SM	800	155,200.00
C	Ridge cap	20	LM	300	6,000.00
D	Valley cap	20	LM	250	5,000.00
	<u>Trusses (All timber work is provisional)</u>				
	<u>The following in pressure impregnated first grade cypress timber</u>				
E	150 x 50mm Rafters	110	LM	450	49,500.00
F	Ditto tie beams	136	LM	450	61,200.00
G	Ditto king post	24	LM	450	10,800.00
H	100 x 50mm struts and ties	182	LM	300	54,600.00
J	Ditto purlins	188	LM	300	56,400.00
K	100 x 50 mm wall plate bolted to wall with and including 12mm diameter bolts 60mm long at 1000mm centres	78	LM	400	31,200.00
	Carried to Collection				740,300.00

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ROOFING - (CONTINUED)</u>				
	<u>Eaves</u>				
A	50 x 50mm second grade celcured and well seasoned cypress timber brandering	210	LM	100	21,000.00
B	Ditto but plugged	78	LM	100	7,800.00
C	Pvc ceiling at eaves	68	SM	450	30,600.00
	<u>The following in second grade celcured and well seasoned cypress timber</u>				
	<u>Fascia Board</u>				
D	225 x 25 mm thick wrot cypress fascia /barge boards fixed to end of rafters (m/s)	82	LM	450	36,900.00
E	Ditto barge boards ditto	5	LM	300	1,500.00
	<u>Rain water goods</u>				
	<u>Gutters</u>				
F	150 x 100mm galvanized iron gutter gauge 24 fixed to fascia boards (m/s) with and including approved steel brackets at 1000mm centres	82	LM	800	65,600.00
G	Extra over gutter for stopped ends	20	NO	140	2,800.00
H	Ditto but for 100 mm diameter outlet	20	NO	490	9,800.00
	<u>Downpipe</u>				
J	100 mm diameter galvanised iron downpipe gauge 24 fixed to wall with and including holder butts at 1000mm centres	24	LM	600	14,400.00
K	Extra over downpipe for swanneck 1200mm long	20	NO	290	5,800.00
L	Ditto horse shoe 300 mm long	20	NO	250	5,000.00
	Carried to Collection				201,200.00

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Decoration and painting</u>				
	<u>Knot, stain prepare and apply three coats oil gloss paint to:</u>				
A	General surfaces of timber	6	SM	250	1,500.00
B	Surfaces of timber 200-300mm girth	100	LM	100	10,000.00
	<u>Prepare and apply three coats gloss oil paint to:</u>				
C	General surfaces of plastic gutters	6	SM	250	1,500.00
D	Surfaces of large pipes	2	SM	200	400.00
	Carried to Collection				13,400.00
	<u>COLLECTION</u>				
	FROM PAGE MH/6				740,300.00
	FROM PAGE MH/7				201,200.00
	FROM ABOVE				13,400.00
	TOTAL FOR ELEMENT NO. 4 CARRIED TO (ROOFING) SUMMARY				954,900.00

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.5</u>				
	<u>DOORS</u>				
	<u>Mild steel doors</u>				
A	900 x 2400mm high mild steel pannel door comprising of 6 No. Size 300 x 800mm high and 3No. Size 300 x 450mm high 10mm thick glass panels including 900 x 200mm and 900 x 300mm high double plates complete with 100 x 50 x 3mm RHS framing and metal lugs including purpose made hanging and locking accessories once primed with red oxide primer before delivery to the site including three lever mortice lock as per 'Union' Ref 2277 or other equal and approved manufacturer	1	NO	20000	20,000.00
B	Ditto but side 900 x 2400 mm high	1	NO	16000	16,000.00
	<u>Flush doors as B.S 459 part 2</u>				
C	45mm thick semi Solid core flush door faced both sides with 6 mm interior quality plywood ready for painting and hardwood lipped all round size 900 x 2400mm high	5	NO	6500	32,500.00
D	Ditto size 800 x 2000mm high	2	NO.	3000	6,000.00
	<u>Wrot cypress or other equal and approved :-</u>				
E	200mm x 50mm Frame with two labours plugged	30	LM	600	18,000.00
F	100mm x 50mm Frame with two labours plugged	10	LM	600	6,000.00
G	45 x 38mm architrave	40	LM	250	10,000.00
H	25mm diameter quadrant	40	LM	100	4,000.00
	<u>Supply and fix the following ironmongery with screws to match.</u>				
J	3 Lever mortice lock and set furniture Ref.Union 2295.	5	NO.	2500	12,500.00
K	2 Lever mortice lock and set furniture Ref.Union 2295.	2	NO.	1800	3,600.00
L	100mm Brass butts hinges	11	PRS	110	1,210.00
M	40mm Diameter rubber door stops	9	NO.	150	1,350.00
	Carried to collection				95,160.00

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>DOORS - (CONTINUED)</u>				
	<u>Painting</u>				
A	Prepare and apply three coats wood preservative primer to backs of timber frame not exceeding 100mm girth	80	LM	30	2,400.00
	<u>Knot, prime, prepare and apply three coats gloss oil paint to:</u>				
B	General surfaces of timber	34	SM	650	22,100.00
C	Ditto between 100mm to 200mm girth	40	LM	50	2,000.00
D	Ditto not exceeding 100mm girth	55	LM	40	2,200.00
	Carried to Collection				28,700.00

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>COLLECTION</u>				
	FROM PAGE MH/9				95,160.00
	FROM PAGE MH/10				28,700.00
	TOTAL FOR ELEMENT NO. 5 CARRIED TO (DOORS) SUMMARY				123,860.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.6</u>				
	<u>WINDOWS</u>				
	<u>Supply and fix the following standard mild steel casement windows comprising of standard Z- section framing; complete with aluminium fasteners, stays and all other necessary iron mongery; including burglar proofing and 75x3mm thick perforated permanent vent and hood at the top infilled with mosquito gauze wire and all primed in one coat red oxide primer before delivery to the site</u>				
A	Window overal size 2000x1500mm high	1	NO	16,500	16,500.00
B	Window overal size 1800x1500mm high	5	NO	14,850	74,250.00
C	Window overal size 1500x1500mm high	2	NO	12,375	24,750.00
D	Window overal size 1200x1500mm high	1	NO	9,900	9,900.00
E	Window overal size 700x600mm high	3	NO	2,310	6,930.00
	<u>Glazing</u>				
	<u>4mm Thick clear sheet glass in metal putty in:-</u>				
F	Panes exceeding 0.1m square metres but not exceeding 0.5m square metres	26	SM	800	20,800.00
	<u>Sills</u>				
G	125x20mm Thick clay tile sill with one curved edge including bedding and pointing in cement and sand (1:3) mortar	18	LM	200	3,600.00
	<u>Curtain Rod</u>				
H	50mm Diameter brass coated curtain rods fixed with matching brackets and rings.	22	LM	1500	33,000.00
	Carried to Collection				189,730.00

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Prepare and apply three coats gloss oil paint to surfaces of</u>				
A	Glazed surfaces; both sides (measured gross)	26	SM	250	6,500.00
B	Ditto griled surfaces; both sides (measured gross)	26	SM	250	6,500.00
	Carried to Collection				13,000.00
	<u>COLLECTION</u>				
	FROM PAGE MH/12				189,730.00
	FROM ABOVE				13,000.00
	TOTAL FOR ELEMENT NO. 6 (WINDOWS)				202,730.00
	CARRIED TO SUMMARY				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 7</u>				
	<u>EXTERNAL FINISHINGS</u>				
	<u>Walls</u>				
A	Extra over walling for key pointing to external walls, external parts. <u>12mm thick gauged lime (1:2:9) plaster to :</u>	118	SM	200	23,600.00
B	Ring beam	16	SM	300	4,800.00
C	Columns <u>Prepare and apply 3 coats of plastic emulsion paint to plastered walls</u>	10	SM	300	3,000.00
D	Plastered surfaces of ring beam	16	SM	200	3,200.00
E	Plastered surfaces of columns	10	SM	200	2,000.00
	TOTAL FOR ELEMENT NO. 7 (EXTERNAL FINISHES)				36,600.00
	CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 8</u>				
	<u>INTERNAL FINISHES</u>				
	<u>FLOORS</u>				
	<u>Cement and sand (1:4) screeding smooth trowelled</u>				
A	32mm thick screed prepared to receive non-slip ceramic tiles	150	SM	300	45,000.00
	<u>Non-slip ceramic floor tiles as 'Saj Ceramics' or other equal and approved jointed and pointed with matching cement sand (1:4) mortar: colour quality and pattern to the Project Manager's scheme in;</u>				
B	300 x 300 x 8mm thick ceramic floor tiles fixed with an approved adhesive on prepared screed(m/s)	150	SM	1,800	270,000.00
C	100 x 8mm skirting	312	LM	350	109,200.00
	Carried to Collection				424,200.00

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Ceiling</u>				
A	50 x 50mm celcured cypress timber brandering	696	LM	110	76,560.00
B	Ditto but plugged	154	LM	110	16,940.00
C	12mm thick gypsum ceiling nailed to timber brandering (m/s)	150	SM	1600	240,000.00
D	100 x 25mm Thick wrot softwood moulded cornice	154	LM	200	30,800.00
	<u>Prepare and apply three coats first grade plastic emulsion paint to:</u>				
E	Celotex ceiling surfaces	150	SM	230	34,500.00
F	Timber surfaces not exceeding 100mm girth	154	LM	50	7,700.00
	<u>INTERNAL FINISHES - (CONTINUED)</u>				
	<u>Walls</u>				
	<u>Cement and sand (1:4) backing</u>				
G	15 mm thick to receive white glazed wall tiles	26	SM	300	7,800.00
	<u>White glazed ceramic tiles bedding and jointing in cement and sand (1:3) mortar and flush pointed with white cement:</u>				
H	200 x 300 x 6mm Thick tiles	26	SM	1100	28,600.00
	<u>Cement and sand (1:3) plaster</u>				
J	12mm Thick to wall surfaces	274	SM	300	82,200.00
	<u>Prepare and apply three coats first grade plastic emulsion paint to:</u>				
K	Plastered walls	274	SM	250	68,500.00
	Carried to Collection				593,600.00

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>COLLECTION</u>				
	FROM PAGE MH/15				424,200.00
	FROM PAGE MH/16				593,600.00
	TOTAL FOR ELEMENT NO. 8 (INTERNAL FINISHES)				1,017,800.00
	CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SECTION SUMMARY</u>				
A	SUBSTRUCTURES.....	MH/3			485,690.00
B	RC. SUPERSTRUCTURES.....	MH/4			181,500.00
C	WALLING.....	MH/5			323,000.00
D	ROOFING.....	MH/8			954,900.00
E	DOORS.....	MH/11			123,860.00
F	WINDOWS.....	MH/13			202,730.00
G	EXTERNAL FINISHES.....	MH/14			36,600.00
H	INTERNAL FINISHES.....	MH/17			1,017,800.00
TOTALS FOR BUILDERS WORK					3,326,080.00

PRIME COSTS AND PROVISIONAL SUMS

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>PRIME COST AND PROVISIONAL SUMS</u></p> <p>The following provisional items are to be measured on completion of the works and priced in accordance with rates contained in these Bills of Quantities or pro-rata thereto or deducted in whole if not required.</p> <p><u>PRIME COST SUMS</u></p> <p>Prime cost sums for works to be executed by Nominated Sub-contractors</p> <p><u>Electrical Works</u></p> <p>A Allow Prime Cost Sum of Ksh Two Hundred and Fifty Thousand (250,000.00) only for Electrical Installation Works</p> <p>Allow for Contractor's profit and overheads (____ %)</p> <p><u>Mechanical Works</u></p> <p>B Allow Prime Cost Sum of Ksh Two Hundred Thousand (200,000.00) only for Water storage, Drainage and Plumbing Works</p> <p>Allow for Contractor's profit and overheads (____ %)</p> <p><u>Fittings and fixtures</u></p> <p>C Allow Prime Cost Sum of Ksh Two Hundred and Fifty Thousand (250,000.00) only for fittings and fixtures Works</p> <p><u>Bio-digester</u></p> <p>D Allow a provisional sum of One Hundred and Twenty Thousand (120,000.00) only for Bio-digester construction</p>				
			ITEM		250,000.00
					7,500.00
			ITEM		200,000.00
					15,000.00
					250,000.00
			ITEM		120,000.00
	Total PC and Provisional Sums carried to Grand Summary				842,500.00

ESTIMATED COST.

ITEM	DESCRIPTION	TENDERERS SUM (KSHS)	OFFICIAL USE (KSHS)
1	Measured Builders Works from page 18	3,326,080.00	
2	Provisional Sums PS/1	842,500.00	
TOTAL COST OF CONSTRUCTION		4,168,580.00	

Amount in words: Kenya Shilings:

Kenya Shillings Four Million, One Hundred and Sixty Eight Thousand, Five Hundred And Eighty Only.