

DORMITORY BLOCK: -

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<u>ELEMENT NO. 1: -</u>				
	<u>SUBSTRUCTURE (ALL PROVISIONAL): -</u>				
	<u>Excavations and Earthworks: -</u>				
A	Excavate oversite average 150mm deep and cart away	428	Sm		
B	Excavate trench for strip foundation not exceeding 1.5m deep	158	Cm		
C	Ditto for column bases	69	Cm		
D	Return fill and ram	112	Cm		
E	Cart away surplus excavated material from site	115	Cm		
F	Allow for planking & strutting	1	Item		
G	Allow for keeping excavations free from water	1	Item		
	<u>Hardcore: -</u>				
H	300mm thick approved Hardcore	318	Sm		
I	50mm thick murrum blinding	318	Sm		
J	Treat hardcore with approved insecticide	318	Sm		
	<u>Concrete works: -</u>				
K	Plain concrete (1:4:8) in 50mm blinding under strip foundation	113	Sm		
L	Ditto under column bases	49	Sm		
	Carried to collection				

DM / 1

Item	Description	Qty	Unit	Rate	Total
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No				(Kshs)
	<u>Vibrated Reinforced concrete (1:2:4) in: -</u>			
A	Strip foundation	23	Cm	
B	Column bases	10	Cm	
C	Columns	3	Cm	
D	100mm surface bed	318	Sm	
	<u>Sawn formwork to: -</u>			
E	Vertical sides of columns	38	Sm	
F	Edges of surface bed 75 - 150mm wide	98	Lm	
	<u>High yield reformed bars: -</u>			
G	8mm diameter bars	336	Kg	
H	10mm ditto	367	Kg	
I	12mm ditto	737	Kg	
J	BRC mesh type A-142	318	Sm	
	<u>Sub-wall: -</u>			
K	200mm thick coral block walling in cement (1:3) mortar	285	Sm	
	<u>Damp proof course: -</u>			
L	200mm wide Hessian based bituminous felt DPC	237	Lm	
M	150mm ditto	9	Lm	
N	100mm ditto	17	Lm	
	Carried to collection			

DM / 2

Item No	Description	Qty	Unit	Rate	Total (Kshs)

	<u>Damp proof membrane: -</u>				
A	1000 gauge polythene DPM	318	Sm		
	<u>Plinth: -</u>				
B	15mm thick cement sand (1:3) plaster on plinth walls	34	Sm		
	<u>Expansion joint: -</u>				
C	Flexcell expansion joint filled with styrapore	12	Sm		
	Carried to collection below				
	<u>COLLECTION: -</u>				
	Brought forward from page DM / 1				
	Brought forward from page DM / 2				
	Brought down from above				
	TOTAL OF SUBSTRUCTURE, CARRIED TO SUMMARY				

DM / 3

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<u>ELEMENT NO. 2: -</u> <u>BEAMS, COLUMNS AND WORKTOPS: -</u>				

	<u>Vibrated reinforced concrete (1:2:4) in: -</u>				
A	Beams	9	Cm		
B	Columns	6	Cm		
C	100mm worktops	5	Sm		
	<u>Formwork to: -</u>				
D	Sides and soffites of beams	119	Sm		
E	Vertical sides of columns	92	Sm		
F	Soffites of worktops	5	Sm		
G	Edges of worktops 75 - 150mm high	9	Lm		
H	Box out formwork to formwork opening size 500 x 450mm	6	No		
	<u>High yield deformed bars: -</u>				
I	8mm diameter bars	594	Kg		
J	10mm ditto	38	Kg		
K	12mm ditto	958	Kg		
	TOTAL OF BEAMS, COLUMNS & WORKTOPS, CARRIED TO SUMMARY				

DM / 4

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<u>ELEMENT NO. 3: -</u>				
	<u>WALLING: -</u>				

A	200mm thick machine cut coral block walling in cement sand (1:3) mortar	296	Sm		
B	150mm ditto	129	Sm		
C	100mm ditto	28	Sm		
TOTAL OF WALLING,					
CARRIED TO SUMMARY					

DM / 5

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<u>ELEMENT NO. 4: -</u>				
	<u>ROOFING: -</u>				
	<u>Sawn treated cypress: -</u>				
A	150 x 50mm rafters	285	Lm		
B	150 x 50mm tie beams	235	Lm		

C	150 x 50mm ties and struts	490	Lm		
D	150 x 50mm collars	45	Lm		
E	75 x 50mm purlins	420	Lm		
F	100 x 50mm wall plate bolted to ring beam at 1.2m centres	85	Lm		
G	200 x 25mm wrot cypress fascia and Barge Board	120	Lm		
	<u>Roof coverings: -</u>				
H	30 gauge pre-painted roofing sheets nailed to purlins (m.s)	450	Sm		
I	Matching and apply three coats gloss oil paint on fascia Board 200 - 300mm girth	120	Lm		
J	Matching ridge caps	50	Lm		
	TOTAL OF ROOFING, CARRIED TO SUMMARY				

DM / 6

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<u>ELEMENT NO. 5: -</u>				
	<u>TOILET DOORS: -</u>				
	<u>Wrot Hardwood: -</u>				
A	150 x 50mm rebated door frame	10	Lm		
B	100 x 50mm ditto	53	Lm		
C	45 x 20mm architrave	60	Lm		
D	25mm Quadrant mould	60	Lm		
E	50mm thick framed, ledged, braced and match				

	boarded door size 900 x 2100mm	12	No		
F	Ditto double door size 1500 x 2100mm	1	No		
	<u>Iron mongery as "UNION" or equal and approved: -</u>				
G	100mm brass butt hinges	18	Prs		
H	Two lever mortice locks	10	No		
I	Ditto rebated	1	No		
J	32mm diameter rubber door stops	12	No		
K	75mm long brass tower bolts	10	No		
	<u>Painting & decorating: -</u>				
	<u>Prepare and apply undercoat and two coats gloss oil paint on: -</u>				
L	General surfaces of timber	50	Sm		
M	Surfaces 200 - 300mm girth	60	Lm		
N	Surfaces not exceeding 100mm girth	115	Lm		
O	Main doors heavy duty mild-steel double door size 1550 x 2700mm comprising 75 x 50 x 3mm thick RHS faming, 5mm thick gauge 14 panelled plates welded to framing including all necessary heavy duty, hinges, bolts, fanlights with mosquito gauze and metal lugs	4	No		
P	Prepare and apply undercoat and two coats gloss oil paint on mild-steel surfaces	30	Sm		
	TOTAL OF DOORS,				
	CARRIED TO SUMMARY				

DM / 7

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<u>ELEMENT NO. 6: -</u>				
	<u>WINDOWS: -</u>				
	<u>Standard mild-steel window casements complete with hinges, stays, fasteners permanent vents with mosquito gauze & sheet metal hood e.t.c assembled & fixed to opening including cutting & pinning lugs to concrete or block work surround and bedding frame in cement and sand mortar (1:4): -</u>				
A	Window size 600 x 600mm	10	No		

B	Window size 1500 x 600mm	1	No		
C	5mm obscure glass and glazing with metal putty in panes 0.1 - 0.5m2	5	Sm		
D	Heavy duty mild-steel casement windows size 1750 x 1700mm comprising 50 x 45 x 2mm thick heavy duty steel sections for transoms, mullions and T.Bars with 2 No. top hang lights size 300 x 583, 2 No. side hang lights size 1400 x 583, 1 No. middle fixed light size 583 x 1700mm, including all necessary heavy duty hinges, stays fasteners permanent vents and metal lugs	23	No		
<u>Painting & decorating: -</u>					
E	Prepare and apply primer and two coats gloss oil paint on windows	144	Sm		
TOTAL OF WINDOWS,					
CARRIED TO SUMMARY					

DM / 8

Item No	Description	Qty	Unit	Rate	Total (Kshs)
<u>ELEMENT NO. 7: -</u>					
<u>FINISHES: -</u>					
<u>Wall finishes: -</u>					
A	15mm thick cement sand (1:3) plaster on walls beams and columns	500	Sm		
B	Ditto on worktops	5	Sm		
C	8mm thick ceramic wall tiles fixed with cement grout	95	Sm		
<u>Floor finishes: -</u>					

D	25mm thick cement sand (1:3) floor screed	320	Sm		
E	8mm thick ceramic floor tiles fixed with cement grout	50	Sm		
F	Prepare and apply three coats plastic emulsion paint on plastered toilet walls internally	130	Sm		
G	Extra-over wall tiles for corner pieces	30	Lm		
TOTAL OF FINISHES,					
CARRIED TO SUMMARY					

DM / 9

Item No	Description	Qty	Unit	Rate	Total (Kshs)
<u>ELEMENT NO. 8: -</u>					
<u>PLUMBING INSTALLATION: -</u>					
A	25mm diameter PPR pipe	35	Lm		
B	20mm ditto	38	Lm		
C	15mm ditto	27	Lm		
<u>Extra-over for: -</u>					
D	25mm elbows	12	No		
E	20mm ditto	14	No		
F	15mm ditto	10	No		
G	25mm equal tees	12	No		
H	20mm ditto	14	No		

I	15mm ditto	10	No		
J	20 x 20 x 15mm tees	15	No		
K	25mm sockets	6	No		
L	20mm ditto	7	No		
M	15mm ditto	5	No		
N	25mm unions	8	No		
O	20mm ditto	6	No		
P	15mm ditto	5	No		
	<u>Gate valves: -</u>				
Q	25mm gate valve as peegler or equal and approved	2	No		
R	20mm ditto	2	No		
S	15mm C. P. bib tap fixed to wall	8	No		
	<u>Flexible tubes: -</u>				
T	15mm diameter flexible tubes	10	No		
	Carried to collection				

DM / 10

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<u>Water tank: -</u>				
A	5000 litres plastic cold water storage tank as "ROTO" or equal and approved	1	No		
B	25mm diameter approved ball valve	1	No		
	<u>Sanitary fittings as "Twyford's" or equal and approved: -</u>				
C	Asian type w.c. complete with cistern and trap	5	No		
D	Pre-cast concrete Dhobi sink size 500 x 450 x 500mm deep including all necessary taps, waste outlet, plug, chain and bottle trap	6	No		
E	15mm diameter shower rose	5	No		

<u>Internal drainage: -</u>					
F	32mm diameter "grey" UPVC waste pipe	9	Lm		
G	50mm ditto	4	Lm		
H	100mm diameter gulley trap including masonry chamber	4	No		
I	100mm diameter UPVC vent pipe	3	Lm		
J	100mm diameter vent cowl	1	No		
Carried to collection					

DM / 11

Item No	Description	Qty	Unit	Rate	Total (Kshs)
<u>Builders work in connection with plumbing works: -</u>					
A	Form Hole in 200mm walling for small pipe including making good disturbed surfaces	10	No		
B	Form Hole in 150mm walling for small pipe including making good disturbed surfaces	8	No		
C	Form hole in 100mm walling for small pipe including making good disturbed surfaces	7	No		
D	Form hole in 200mm walling for large pipe including making good disturbed surfaces	4	No		
F	Form chase in wall for small pipe including making good disturbed surfaces	70	Lm		
G	Excavate trench for service pipe average 1000mm deep, part return fill and remainder cart away	30	Lm		

	<u>Water tank tower: -</u>				
H	Excavate pit not exceeding 1.5m deep	10	Cm		
I	Return fill and ram	5	Cm		
J	Cart away surplus excavated material from site	5	Cm		
Carried to collection					

DM / 12

Item No	Description	Qty	Unit	Rate	Total (Kshs)
A	Plain concrete (1:4:8) in 50mm blinding under columns bases	6	Sm		
	<u>Reinforced concrete (1:2:4) in: -</u>				
B	Column bases	2	Cm		
C	Columns	2	Cm		
D	Beams	1	Cm		
E	150mm suspended slab	3	Sm		
	<u>Formwork to: -</u>				
F	Vertical sides of columns	16	Sm		
G	Soffites of suspended slab	3	Sm		
H	Sides and soffites of beams	7	Sm		
I	Edges of suspended slab 75 - 150mm wide	7	Lm		

	<u>High yield deformed bars: -</u>				
J	8mm diameter bars	140	Kg		
K	12mm ditto	167	Kg		
L	15mm thick cement sand (1:3) plaster on concrete surfaces	26	Sm		
	<u>Testing: -</u>				
M	Allow for testing the plumbing system to the satisfaction of the project manager	1	Item		
	Carried to collection				

DM / 13

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<u>COLLECTION: -</u>				
	Brought forward from page DM / 10				
	Brought forward from page DM / 11				
	Brought forward from page DM / 12				
	Brought forward from page DM / 13				

	Carried to collection				

ED / 2

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<u>High yield deformed Bars: -</u>				
A	8mm diameter bars	90	Kg		
B	12mm ditto	495	Kg		
C	200mm coral block walling in cement sand (1:3) mortar	100	Sm		
D	15mm thick cement sand (1:3) plaster internally and externally	175	Sm		
E	25mm thick cement sand (1:3) floor screed	45	Sm		
F	600 x 450mm Heavy duty PVC cover and frame	5	No		
	<u>SOAK PIT SIZE 2M DIAMETER X 4.5M DEEP</u>				
G	Excavate pit not exceeding 1.5m deep	5	Cm		
H	Ditto 1.5 - 3.0m deep	5	Cm		
I	Ditto 3.0 - 4.5m deep	5	Cm		
J	Extra over excavation for excavating in rock	15	Cm		
K	Cart away excavated material from site	15	Cm		
L	Allow for planking and strutting	1	Item		

	Carried to collection				

ED / 3

Item No	Description	Qty	Unit	Rate	Total (Kshs)
A	Allow or keeping excavations free from water	1	Item		
B	Plain concrete (1:3:6) in foundation	1	Cm		
C	Reinforced concrete (1:2:4) in 100mm cover slab	3	Sm		
	<u>Sawn formwork to: -</u>				
D	Sides of foundation	2	Sm		
E	Soffites of suspended slab	3	Sm		
F	Edges of suspended slab 75 - 150mm high	6	Lm		
G	Box out formwork to form opening size 600 x 450mm	1	No		
H	10mm diameter high yield deformed reinforcement bar	30	Kg		
I	200mm coral block walling in cement sand (1:3) mortar	16	Sm		
J	15mm thick cement sand (1:3) plaster externally	6	Sm		

	Carried to collection				

ED / 4

Item No	Description	Qty	Unit	Rate	Total (Kshs)
A	600 x 450mm Heavy duty PVC cover and frame	1	No		
B	Approved Hardcore backfill	15	Cm		
	<u>Testing: -</u>				
C	Allow for testing the external drainage to the satisfaction of the Project Manager	1	Item		
	Carried to collection below				
	<u>COLLECTION: -</u>				
	Brought forward from page ED / 1				
	Brought forward from page ED / 2				
	Brought forward from page ED / 3				
	Brought forward from page ED / 4				
	Brought down from above				
	TOTAL OF EXTERNAL DRAINAGE,				

	CARRIED TO SUMMARY			
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ED / 5

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<u>PRIME COST & PROVISIONAL SUMS: -</u>				
	<u>PRIME COST SUMS: -</u>				
A	Provide a prime cost sum of Kenya Shillings One Hundred and Fifty Thousand for Electrical Installation				150,000
	<u>PROVISIONAL SUMS: -</u>				
B	Provide a provisional sum of Kenya Shillings One Hundred Thousand for Contigencies				100,000
C	Provide a provisional sum of Kenya Shillings Four Hundred Thousand for Project Management and Supervision				400,000
	TOTAL OF PROVISIONAL AND PRIMECOST				
	SUMS, CARRIED TO SUMMARY				650,000

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<u>MAIN SUMMARY: -</u>				
A	PRELIMINARIES				
B	DORMITORY BLOCK FROM PAGE DM / 14				
C	EXTERNAL DRAINAGE FROM PAGE ED / 5				
C	PRIME COST & PROVISIONAL SUMS FROM PAGE PS / 1				650,000
	SUB-TOTAL				
	ADD 16% VAT				
TOTAL CARRIED TO FORM OF TENDER					

AMOUNT IN WORDS:

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CONTRACTOR'S NAME:

ADDRESS:

SIGNATURE:

NAME OF WITNESS:

ADDRESS:

SIGNATURE: