

PROPOSED CONSTRUCTION OF MATERNITY WING AT NAYA HEALTH CENTRE - SIAYA COUNTY

MATERNITY BLOCK

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 1				
	SUBSTRUCTURE WORKS (All Provisional) NOTE: This elements include all works upto and including the ground floor slab				
	EXCAVATED EARTH WORK				
A	Clear over site to remove vegetable soil average 150mm deep and remove away from site	200	SM		
B	Excavate to reduce levels average 150mm deep starting from stripped levels	182	SM		
C	Excavate foundation trenches and column bases not exceeding 1.5m deep and deposit on site	63	CM		
D	Cart away excavated materials to spoil heap 25mtrs away from site	31	CM		
E	Fill in and ram murrum around foundation	32	CM		
F	300mm thick hardcore filling spread, levelled and compacted	55	CM		
G	50mm thick murrum blinding to hardcore surface	182	SM		
	Insecticide Treatment				
H	Treat surface of blinded hardcore with ALDREX 48 or TERMIDOER	182	SM		
	Damp Proofing				
J	500 gauge polythene sheets laid on prepared bed ready to receive concrete floor slab (m.s)	182	SM		
	Concrete Work				
K	50mm thick mass concrete 1:4:8 (class 20/20mm)	2	CM		
	CARRIED TO COLLECTION				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Concrete work continued: Reinforced concrete 1:2:4 class 20/20 in Strip foundation and foundation beam.	20	CM		
B	125mm thick floor slab reinforced concrete (1:2:4) class 20/20	182	SM		
	<u>Reinforcement Steel High tensile square twisted bars to BS 4461 in</u>				
C	Y12 bars to column bases and starters/strip fdn	672	KG		
D	Y8 bars to column bases and starters/strip fdn	124	KG		
E	B.R.C Mesh type A142 including laps	175	SM		
	Sawn Formwork to				
F	Edge of floor slab not exceeding 75-150mm high	70	LM		
	SUB-STRUCTURE WALLING				
G	200mm thick fairly dressed Stone foundation walling in cement / sand mortar (1:3)	104	SM		
H	15mm thick cement/sand mortar (1:3) render to plinth area	31	SM		
J	Prepare and apply two coats of first grade Bituminous paint to rendered plinth	31	SM		
K	Allow for the necessary planking and strutting	1	ITEM		
L	Ditto removal of general surface water	1	ITEM		
	SUB-TOTAL				
	Brought from page 1				
	Brought down from above				
	TOTAL CARRIED TO SUMMARY				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO. 2 <u>SUPER-STRUCTURE WALLING</u> 200mm thick machine cut stones bedded in cement/ mortar 1:3 and reinforced with Medium gauge hoop iron at 2 alternating courses of stone work	205	SM		
B	Ditto in gables <u>Horizontal damp proof course</u>	20	SM		
C	200mm Hessian based bituminous felt as DPC weighing not less than 3.8kg/m in one layer and including levelling and bedded in cement/sand(1:3) <u>Concrete Work</u> <u>Vibrated reinforced concrete 1:2:4 (class 20/20mm) in</u>	101	LM		
D	Ring beam and columns <u>Reinforcement Steel</u> <u>High tensile square twisted bars to BS 4461 in</u>	12	CM		
E	8mm Ø bars	166	KG		
F	12mm Ø bars	343	KG		
G	<u>Sawn formwork to</u> Sides and soffits of ring beam and columns	64	SM		
	CARRIED TO SUMMARY				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	ELEMENT NO. 3- ROOFING <u>Roofing timber in sawn cypress site treated</u> <u>The following 16 No. Trusses spanning 4.50m to clear length of 1.5m and 3.0 above plinth level</u> 150mm x 50mm tie beam	130	LM		
B	100mm x 50mm rafters	165	LM		
C	75mm x 50 struts/ties	150	LM		
D	100mm x 50mm wall plate	71	LM		
E	75mm x 50mm purlins	330	LM		
F	200mm x 25mm wrot cypress fascia and verge board	67	LM		
G	Roofing Cover 30 gauge G.C.I pre-painted roof covers; nailed to timber purlins with nails and washers	282	SM		
H	Ditto ridge cap	45	LM		
J	Extra over in formation of valleys	8	LM		
	CARRIED TO SUMMARY				

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PROPOSED CONSTRUCTION OF MATERNITY WING AT NAYA HEALTH CENTRE - SIAYA COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 5-DOORS:				
A	Purpose made double leaf steel fanlight size 1350 x 2400mm	1	NO		
B	Ditto size 1250 x 2400mm	1	NO		
C	Purpose made single leaf steel door size 900 x 2400mm with fanlight	3	NO		
D	Purpose made single leaf mahogany solid core door with glazed fanlight size 900x2350mm	5	NO		
E	Purpose made single leaf mahogany semi-solid core door size 850x2050mm	2	NO		
	Frames and Finishing:				
	<u>Camphor:</u>				
F	100x50mm Rebated frame	48	LM		
G	38x20mm architrave with two labour	48	LM		
H	19mm thick mahogany quadrant	48	LM		
J	12mm thick coved beading plugged	48	LM		
	Ironmongery: Supply and fix the following ironmongery as per "Union" catalogue				
K	100mm heavy duty brass coated butt hinges	11	PRS		
L	3-lever rebated mortise lock as Union or equal and approved	7	NO		
M	38mm Diameter rubber door stop plugged and screwed to wall or floor	12	NO		
	Painting and Decoration:				
N	Back of timber surfaces n.e 100mm girth	48	LM		
P	Ditto over 100mm but not exceeding 200mm	48	LM		
	<u>Prepare and apply three coats of gloss oil paint on general surfaces of:</u>				
Q	Wood externally and internally	16	SM		
R	Metal surface internally and externally	16	SM		
	TOTAL CARRIED TO SUMMARY				

PROPOSED CONSTRUCTION OF MATERNITY WING AT NAYA HEALTH CENTRE - SIAYA COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 5- FINISHES				
	Walls;				
	Lime gauged (1:1:6) plaster as described				
A	15mm thick plaster in two coats to walls internally	300	SM		
B	15mm thick render coat to walls externally in two coats (1:4) on ring beam and gable walls externally	142	SM		
C	Ditto to reveals and jambs	20	SM		
	Painting and Decoration:				
D	Prepare and apply 3 coats of first grade plastic gloss paint on plastered surface internally	300	SM		
E	Prepare and apply 3 coats of first grade plastic emulsion paint on plastered surface externally	162	SM		
F	Prepare and point stone wall externally including brushing the grooves to receive the recommended paint	90	SM		
G	Prepare and decorate the pointed surface of the wall	90	SM		
H	Knot ,prime,stop and apply 3 coats first quality gloss paint to fascia board	67	SM		
	Wall tiling:				
J	200x150x3mm thick white glazed ceramic wall tiles on and including backing grout for the washroom and delivery room	46	SM		
	Floors				
K	35mm thick cement ; sand (1:3)floor screed	182	SM		
L	400x400x6mm thick non-slip ceramic floor tiles fixed with cement grout	182	SM		
M	100x6mm ditto in skirting	30	LM		
	TOTAL CARRIED TO COLLECTION				

PROPOSED CONSTRUCTION OF MATERNITY WING AT NAYA HEALTH CENTRE - SIAYA COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 5- FINISHES CONTINUED				
	Ceiling board:				
A	9mm thick celotex ceiling chipboard fixed to 50x50mm brandering(m.s)	182	SM		
B	Extra over ditto for forming trap door size 650 x 650mm opening with 50 x 50mm sawn cypress frame and 25 x 25mm plastered fillet all round	6	NO		
C	100x50mm moulded cornice	132	LM		
D	75x50mm timber framing for ceiling	158	LM		
E	50x50mm timber brandering	450	LM		
F	Prime back of timber before fixing , surface not exceeding 100mm girth	132	LM		
G	Prepare and apply 3 coats of plastic emulsion paint on chipboard ceiling	182	SM		
	Pelmet boxes				
	<u>Pelmet box comprising ex. 115x25mm hardwood top; ex. 100x25mm hardwood fascia with six labours; ex. 25x35mm hardwood bearer plugged and srewed to wall as per Architects' detail</u>				
H	1500mm - 1200mm long	13	NO		
J	Standard heavy duty brass double curtain track screwed to timber(m/s) complete with fixing brackets, hooks, rollers and stops (3nos.)	19	LM		
	Painting and Decoration:				
K	Prepare and apply three coats of clear Ronseal varnish on timber surface over 200mm but not exceeding 300mm girth	19	LM		
L	Ditto over 100mm but not exceeding 200mm girth	19	LM		
	Carried to collection				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Painting and Decoration: Prime backs of timber with aluminium primer surface not exceeding 100mm	19	LM		
B	Bulletin Boards: 1200x1200mm high soft boards on and including ex. 65x25mm rebated and twice chamfered hardwood trim all around to Architects' details	2	NO		
C	<u>Pavement slabs:</u> Excavate around the building 300mm deep and dispose away from site	16	CM		
D	200mm bed of hardcore well compacted and blinded to receive pavement slab	16	CM		
E	600x600x50mm P.C pavement slabs	76	SM		
F	Prime back of timber before fixing , surface not exceeding 100mm girth	3	SM		
	Carried to collection				
	COLLECTION BELOW Brought forward from page 7 Brought forward from page 8 Brought forward from page above				
	TOTAL CARRIED TO SUMMARY				

DISPENSARY BLOCK BUILDER'S WORKS SECTIONAL SUMMARY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Brought forward from page 2 - SUB-STRUCTURES				
2	Brought forward from page 3 - SUPER-STRUCTURE WALLING				
3	Brought forward from page 4 - ROOFING				
4	Brought forward from page 5- WINDOWS				
5	Brought forward from page6-DOORS				
6	Brought forward from page8-FINISHES				
	SUB-TOTAL				

PROPOSED CONSTRUCTION OF MATERNITY WING AT NAYA HEALTH CENTRE - SIAYA COUNTY

SEPTIC TANK AND SOAKAGE PIT

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SEPTIC TANK (ELEMENT 1)				
	Earthworks (All provisional)				
A	Excavate pit for septic tank commencing from ground level and not exceeding 1.5 m deep	46	CM		
B	Ditto over 1.5m but not exceeding 3.0 m deep and deposit as directed	15	CM		
C	Extra over excavation for excavating in rocks	10	CM		
D	Allow for any necessary removal of all general waters by pumbing,bailing etc	1	ITEM		
E	Allow for the necessary planking and strutting	1	ITEM		
F	Cart away excavated materials to spoil heap 25mtrs away from site	45	CM		
G	Fill in and ram murrum around foundation	16	CM		
	Concrete Work				
H	50mm thick mass concrete 1:4:8 (class 20/20mm)	3	CM		
J	Reinforced concrete (1:2:4- 20mm aggregate) in 150mm thick bed laid to slope not exceeding 15 degrees from the horizontal	30	SM		
K	Ditto in 100mm thick bed	2	SM		
L	200mm thick solid quarry stone wall in cement:sand (1:3) reinforced with hoop iron at every two alternative course	36	SM		
M	Ditto 150mm	4	SM		
N	Labour and materials for building ends of 100mm diameter pipe in a wall	2	NO		
P	Reinforced concrete (1:2:4- 20mm aggregate) in 150mm thick to scum baffle	1	CM		
Q	Reinforced concrete (1:2:4- 20mm aggregate) in 150mm thick cover slab	20	SM		
	CARRIED TO COLLECTION				

PROPOSED CONSTRUCTION OF MATERNITY WING AT NAYA HEALTH CENTRE - SIAYA COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	The following in square twisted high tensile reinforced bars to BS 4461 including laps, bends, tying wires and distance blocks				
A	12mm diameter bars	180	KG		
B	8mm ditto	110	SM		
C	BRC Mesh Ref A142	20	SM		
	Sawn Formwork to				
D	Sides and soffits of scum baffle	5	SM		
E	Soffits of cover slab	13	SM		
F	Edge of floor slab not exceeding 75-150mm high	20	LM		
G	To columns and bases	50	SM		
H	Boxing on formwork to form rebated opening on cover slab size 610x460mm	2	NO		
	Finishing				
I	20mm thick in cement / sand mortar (1:3) plaster with water proofing additive and finished smooth with steel float to bed	13	SM		
J	15mm thick to walls	30	SM		
K	300mm long x 20mm diameter mild steel iron steps with both ends morticed and including grouting into solid quarry stone wall (m/s)	16	SM		
M	650 x450mm Manhole cover and frame cast iron medium duty to BS 497 Grade B coated in bitumen and bedding framed on concrete slab in cement:sand (1:3) mortar and setting cover in grease	2	NO		
	SUB-TOTAL				
	Brought from page 11				
	Brought down from above				
	TOTAL CARRIED TO SUMMARY				

PROPOSED CONSTRUCTION OF MATERNITY WING AT NAYA HEALTH CENTRE - SIAYA COUNTY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 2 (SOAKAGE PIT)				
A	Excavate pit for soakage pit curved on plan to a radius of 1.00m commencing from ground level and not exceeding 1.5 m deep	4	CM		
B	Ditto over 1.5m but not exceeding 3.0 m deep and deposit as directed	1	CM		
C	Ditto over 3.0m but not exceeding 4.5 m deep and deposit as directed	1	CM		
D	Extra over excavation for excavating in rocks	1	CM		
E	Allow for any necessary removal of all general waters by pumbing,bailing etc	1	ITEM		
F	Allow for the necessary planking and strutting	1	ITEM		
G	Cart away excavated materials to spoil heap 25mtrs away from site	4	CM		
H	Fill in and ram murrum around foundation	1	CM		
I	Selected quarry stones hardcore filling	3	CM		
	Concrete Work				
J	50mm thick mass concrete 1:4:8 (class 20/20mm)curved on plan for strip foundation	1	CM		
K	Mass concrete (1:3:6- 25mm aggregate) in 150mm thick bed curved on plan to a radius of 0.5m for strip foundation	2	SM		
L	200mm thick solid quarry stone wall in cement:sand (1:3) reinforced with hoop iron at every two alternative course	4	SM		
M	Labour and materials for building ends of 100mm diameter pipe in a wall	1	NO		
N	Reinforced concrete (1:2:4- 20mm aggregate) in 150mm thick cover slab curved to plan radius of 0.75m	2	SM		
O	600x450mm C.I. medium duty manhole cover and frame	1	NO		
P	12mm plaster to the cover curved on plan 0.75m externally	2	SM		
	Sawn Formwork to				
Q	Soffit of soakage pit to a radius of 1.00 m	1	SM		
R	Edge of floor slab not exceeding 75-150mm high	5	LM		
	CARRIED TO SUMMARY				

SEPTIC TANK SECTIONAL SUMMARY					
ITEM	DESCRIPTION				AMOUNT
1	Brought forward from page 12				
2	Brought forward from page 13				
	SUB-TOTAL 1				
	Provide a sum of Kshs.100,000.00 for inspection chambers and gulley traps				
	SUB-TOTAL 2				
	TOTAL 1+2				

GRAND SUMMARY

ITEM	DESCRIPTION	AMOUNT
	TOTAL FOR DISPENSARY BUILDERS WORKS	
	TOTAL FOR SEPTIC TANK WORKS	
	SUB-TOTAL NO.01	
	Add;	
	Allow for a sum of Kshs. 55,000 for erection of a bill board and branding works	
	Allow for Kshs. 300,000.00 for electrical and internal plumbing works	
	Allow for a sum of Kshs. 200,000 for contingency	
	Allow for a sum of Kshs. 450,000 for Construction of a a reinforced 2-door pit latrine to details	
	Allow for a sum of Kshs. 120,000 for Construction of a placenta pit.	
	Allow for a sum of Kshs. 60,000 for Construction of a waiting bay benches.	
	SUB-TOTAL NO.02	
	ADD; KES. 100,000.00 FOR PROJECT MANAGEMENT	
	SUB-TOTAL NO.03	
	ADD 0.03% P.P.C.B LEVY	
	ADD 16% VAT	
	GRAND TOTAL FOR THE WORKS CARRIED TO TENDER FORM	
Amount in words TENDER`S NAME..... SIGNATURE AND STAMP..... DATE..... WITNESS..... SIGNATURE DATE.....		