

BILLS OF QUANTITIES FOR PROPOSED EXTENSION OF MATERNITY WING AT FAZA SUB COUNTY HOSPITAL

COUNTY GOVERNMENT OF LAMU

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SUBSTRUCTURE				
A MOBILIZATION				
a Allow for Site clearance ,debris collection and uprooting of small stumps to a depth not exceeding 150mm deep	Item	1		
b Allow for demolitions of the existing maternity building structure upto ground floor level and dispose debris as directed	Item	1		
c Allow for demolitions of the existing roof on the main existing building structure and dispose debris as directed	Item	1		
B SUBSTRUCTURE				
1 Excavation				
a Excavate over site to reduce levels not exceeding 150mm deep and cart away	SM	117		
b Excavate foundation trench commencing from reduced level and not exceeding 1000mm deep	CM	51		
c Allow for keeping the excavations free from water and supporting sides to keep them free from collapsing	Item	1		
2 Disposal				
a Return, fill and ram selected excavated material around foundation and walls	CM	112		
b Load and cart away surplus excavated material from site as directed	CM	56		
3 Soil Sterilization and treatment				
a Apply gladiator or equal and approved anti termite treatment to surface of excavation or/and backfill	SM	117		
b 500 gauge polythene damp proof membrane laid on blinded hardcore to receive concrete	SM	117		
4 Concrete Works				
a 50mm thick plain concrete class15/25 mix 1:3:6 for strip foundation blinding	SM	42		
b 200mm thick reinforced concrete class20/25 mix 1:2:4 for strip foundation	CM	9		
c 300x 200mm ground beam	CM	5		
c 150mm thick ground floor slab	SM	117		
5 Back Filling				
a 300mm well compacted hardcore on the stripped area below the concrete slab	CM	35.1		
b 50mm well compacted marrum blinding on the hardcore surface in readiness to receive concrete	SM	117		
Total taken to collection				-

	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
6	Reinforcements				
a	B.R.C fabric mesh reinforcement Ref.A142 embedded in ground floor slab including all tying wire and supports (allow for 150mm laps)	SM	117		-
b	High yield square twisted steel reinforcement to B.S 4461 cut and bend in accordance with bending schedules including all necessary tying wire and supports for:				
	<u>Strip Foundation</u>				
i	Y10(10mm diameter)	Kgs	135		
ii	Y8 (8mm diameter)	Kgs	90		
	<u>Gound Beam</u>				
i	Y12(12mm diameter)	Kgs	256		
ii	Y8 (8mm diameter)	Kgs	180		
7	Sub Walling				
i	200mm thick solid coral block walling in C.S (1:4) mix mortar	SM	105		
ii	15mm thick plaster on plinths	SM	21		
iii	Black bituminous paint on the plinth	SM	21		
			-		
	Total taken to collection				-
	Total from Pg 1				-
	Total from above				-
	Mobilization and Sub structure taken to summary				-

DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SUPER STRUCTURE				
1 Walling				
a Horizontal damp proof course to B.S 743 in readiness to 200mm thick walling	LM	137		
Ditto but 150mm	LM	37		
b 200mm thick solid coral block walling in C.S (1:4) mix mortar	SM	309		
Ditto but 150mm	SM	111		
2 Concrete Works				
<u>Reinforced concrete (Class 20/20) with minimum crushing strength of 20N/mm² (1:2:4) mix at 28 days :</u>				
a Ring Beams	CM	5		
3 Reinforcements				
<u>High yield square twisted steel reinforcement to B.S 4461 cut and bend in accordance with bending schedules including all necessary tying wire and supports for:</u>				
i Beams				
a Y12 (12mm diameter)	KGS	268		
b Y8 (8mm diameter)	KGS	233		
4 Formwork				
a Sides and soffits of the beam	SM	188		
Super structure carried to summary				
				-

	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4	FITTINGS				
a	Windows and Vents				
	<i>(In wrot camphor or other equal and approved)</i>				
i	Frames				
a	150mm x 50mm frame primed before fixing	LM	58		
b	Ditto mullions ditto	LM	46		
ii	Louvres				
	<i>Supply and fix anadonised aluminium louvre jabs with 150mm wide blade carriers as:</i>				
a	Set for 10 No. Blades	Prs	36		
b	Set for 3 No Blades	Prs	24		
iii	Glazing				
	150mm x 5mm glass panes with ground edges set loose in louvre clips	LM	180		
iv	Burglar Proofing				
	16mm diameter burglar proof bars in plastic conduit sheath fixed in timber frames	LM	180		
b	Vents				
	50mm thick precast concrete vent blocks as permanent vents as indicated	SM	66		
c	DOORS				
	<i>(In wrot camphor or other equal and approved)</i>				
	Frames				
i	150mm x 50mm frame primed before fixing	LM	112		
	Shutter				
iii	45mm (Finished)framed, ledged and panel door size 1200 by 2100mm high consisting of 150mm framing, braced tongued and grooved and finished with 15 x 15mm moulded beading	No	3		
iii	Ditto but 900 x 2100	No	8		
iv	3 lever union mortice locks complete with furniture	No	11		
v	150mm brass butt hinges	Prs	33		
vi	150 brass sliding toilet door lock	No	4		
	Fittings carried to Summary				-

	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5	FINISHES				
	a Floor Screed				
	i 25mm cement and sand (1:4) mortar with ready to receive Terrazo	SM	117		
	ii Ditto but terrazo	SM	117		
	b Plaster				
	i 15mm cement and sand (1:4) plaster or render to walls internally and externally trowelled smooth	SM	840		
	c Painting				
	i Knot, prime, stop and apply one undercoat and 2 coats gloss paint to timber general surfaces	SM	108		
	ii Prepare and apply one undercoat and 3 coats plastic emulsion paint to plastered walls internally and externally	SM	906		
	iii Ditto but brilliant white distemper to ceiling	SM	240		
	d Tiles				
	i 300mm by 300mm glazed ceramic wall tiles in all floors with 100mm skirting along the wall	SM	136		
	Finishes carried to summary				-

	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
6	ROOFING, CEILING AND RAIN WATER GOODS				
a	Roof and Rain water goods <u>In sawn cypress or equivalent and well treated</u>				
i	150mm x 50mm truss	LM	420		
ii	Ditto but 100mm x 50mm as wall plate	LM	70		
iii	75mm x 50mm treated softwood in purlins	LM	200		
iv	Gauge 28 prepainted gal sheets iron sheets on timber purlins as roof cladding	SM	270		
v	Ditto but ridge caps to match	LM	27		
vi	Fascia board	LM	70		
vii	150mm half round plastic gutters with all accessories	LM	70		
viii	100mm PVC down pipe with all associates fittings	Pcs	4		
	Total for roof and rain water goods				
b	Ceiling <u>In sawn cypress or equivalent and well treated</u>				
i	75mm x 50mm treated softwood plundering	LM	390		
ii	50mm x 50mm treated softwood plundering	LM	390		
iii	Gypsum boards jointed at the ends as ceiling cover and held at corners with 75mm cornice and middle pappy	SM	240		
iv	Allow for a trap door 600mm x 600mm for access	No	3		
	Total for ceiling carried to collection				
	Collection Roof and rain water goods Ceiling				
	Roofing, Ceiling and Rain water goods carried to summary				-

	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
7	PLUMBING AND DRAINAGE <u>Supply, Install, Test and commission the following:</u> a High level ceramic WC complete unit as Nova or approved equivalent b Complete unit Wash hand basin pedestal type c Complete shower units as Nova or cobra d Allow a provisional sum for supply pipes, drainage pipes, and all necessary plumbing fittings and supplies per floor	 No No No Item	 4 4 4 1		
	Plumbing and drainage carried to summary				-

	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
8	ELECTRICAL WORKS				
a	Provide points and conduiting to sockets, lights fans,airconditions and lighting points including wiring	Item	1		-
b	<i>Provide the fitting as above to be English upon Architects approval</i>				-
i	Clipsal sockects single	No	18		
ii	Ditto double	No	18		
iii	Cooker unit	No	1		
iv	4 ft flourescent fitting	No	30		
v	Angle light fittings	No	30		
vi	Bulk head light fitting for outside	No	8		
vii	One gang switch	No	25		
viii	Two gang switch	No	12		
ix	Three gang switch	No	8		
c	Allow a P.C.Sum for the provision for Application, Distribution boards and any other work approved by the Architects	Item	1		
	Electrical Works Taken to Summary				-

	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
9	RENOVATIONS OF THE EXISTING BUILDING	re			
A	Roof and Rain water goods				
	<u><i>In sawn cypress or equivalent and well treated</i></u>				
i	150mm x 50mm truss	LM	985		
ii	Ditto but 100mm x 50mm as wall plate	LM	154		
iii	75mm x 50mm treated softwood in purlins	LM	710		
iv	Gauge 28 prepainted gal sheets iron sheets on timber purlins as roof cladding	SM	804		
v	Ditto but ridge caps to match	LM	56		
vi	Fascia board	LM	170		
vii	150mm half round plastic gutters with all accessories	LM	140		
viii	100mm PVC down pipe with all associates fittings	Pcs	8		
b	Ceiling				
	<u><i>In sawn cypress or equivalent and well treated</i></u>				
i	75mm x 50mm treated softwood plundering	LM	706		
ii	50mm x 50mm treated softwood plundering	LM	706		
iii	Gypsum boards jointed at the ends as ceiling cover and held at corners with 75mm cornice and middle pappy	SM	348		
iv	Allow for a trap door 600mm x 600mm for access	No	3		
c	Floor Screed				
i	Hack cement and sand (1:4) mortar ready to receive tiles(m.s)	SM	317		
ii	300mm by 300mm glazed ceramic wall tiles in all floors with 100mm skirting along the wall	SM	317		
c	Painting				
i	Knot, prime, stop and apply one undercoat and 2 coats gloss paint to timber general surfaces	SM	211		
ii	Prepare and apply one undercoat and 3 coats plastic emulsion paint to plastered walls internally and externally	SM	424		
iii	Ditto but brilliant white distemper to ceiling	SM	348		-
	Renovations of the existing building carried to summary				-

10	Walkway(about 40m long and Roofed)				
	<u>In sawn cypress or equivalent and well treated</u>				
i	100mm x 50mm in truss	LM	80		-
ii	Ditto but 100mm x 50mm as wall plate	LM	77		-
iii	75mm x 50mm treated softwood in purlins	LM	160		-
iv	Gauge 28 prepainted gal sheets iron sheets on timber purlins as roof cladding	SM	160		-
v	Ditto but ridge caps to match	LM	40		-
vi	Fascia board	LM	80		-
vii	150mm half round plastic gutters with all accessories	LM	80		-
viii	100mm PVC down pipe with all associates fittings	Pcs	8		-
ix	200mm hardcore well compacted and lay 50mm cabro stones as walkway	SM	96		-
x	100 x 50mm x 4mm thick RHS as posts inclusive of excavating the holes and filling with concrete mix 1:2:4 as supports to the roof structure	No	22		-
	Total for walkway carried to summary				-

9 PROVISIONAL SUMS			
a	Allow a sum of kenya shillings two hundred thousand for project management	Item	1 200,000.00
b	Allow a provisional sum of kenya shillings three hundred thousand as contingency to be used at the discretion of the project manager	Item	1 300,000.00
TOTAL CARRIED TO SUMMARY			-

<u>ELEMENTS SUMMARY</u>					
1	Mobilization and substructure				-
2	Superstructure				-
3	Fittings				-
4	Finishes				-
5	Roofing and Ceiling				-
6	Plumbing and Drainage				-
7	Electrical Works				-
8	Renovations of the existing building				-
9	Walkway				-
10	SUB TOTAL FOR ALL BUILDERS WORKS				-
11	ADD 16% VAT				
12	Provisional sums				-
13	TOTAL FOR ALL WORKS				
Contractor's Name and address..... Date..... Signature..... Witness's Name and Address..... Date..... Signature.....					