



REPUBLIC OF KENYA



COUNTY GOVERNMENT OF NYANDARUA

DEPARTMENT OF PUBLIC WORKS, ROADS, TRANSPORT, HOUSING &
ENERGY

PROPOSED FABRICATION OF A CONTAINER AT GATHARA DISPENSARY

FOR

THE DEPARTMENT OF HEALTH SERVICES NYANDARUA COUNTY

BILLS OF QUANTITIES

ARCHITECT,

COUNTY ARCHITECT,
DIR. OF PUBLIC WORKS,
NYANDARUA COUNTY,
P.O. BOX 701-20303,
OL KALOU

QUANTITY SURVEYOR,

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ELEC/MECH ENGINEER

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NYANDARUA COUNTY,
P.O. BOX 701-20303,
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SEPTEMBER, 2024

PROPOSED FABRICATION OF A CONTAINER AT GATHARA DISPENSARY

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
A	<p><u>ELEMENT NO. 01 - PRELIMINARIES</u></p> <p>The Contractor is to allow for all Preliminaries including site offices and stores, transport of workmen to and from site, transport of materials, supply, setting out, servicing, fueling of the plant and equipment, provision of plant operator, insurance for the works shall be the sole responsibility of the contractor and all other preliminaries incidental to these works</p> <p>Allow for all Preliminaries associated with the works</p>	Item	1		
	Element 01				
	PRELIMINARIES CARRIED TO GRAND SUMMARY			KSHS	

PROPOSED FABRICATION OF A CONTAINER AT GATHARA DISPENSARY

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	<u>ELEMENT NO. 02 - SUBSTRUCTURES</u>				
	<u>Site clearance</u>				
A	Clear the site off bushes, grass, shrubs and all vegetation; cart away as directed.	SM	44		
	<u>Oversite excavation</u>				
B	Excavate oversite to remove top soil average 1.5m deep and remove from site.	CM	66		
	<u>Excavation</u>				
	<u>Excavation including maintaining and supporting sides and keeping free from water, mud and fallen materials</u>				
C	For foundation trench starting from reduced level not exceeding 1.50 meters deep.	CM	47		
D	Extra-over all excavation for excavating in rock irrespective of class	CM	2		
E	Return, fill-in and rum selected excavated materials around foundations	CM	34		
F	Remove and cart away from site surplus excavated materials spread on site as shown by the Client.	CM	13		
	<u>Filling</u>				
G	Hardcore filling in making up levels, hand packed, exceeding 300mm thick in layers of 150mm maximum thickness	CM	66		
H	50mm thick murrum blinding to surfaces of fill	SM	44		
	<u>Antitermite treatment</u>				
I	Premise 200 SC' or other equal and approved anti-termite insecticide treatment with ten years guarantee, applied strictly in accordance with manufacturer's instructions, to tops of fill and foundation walls	SM	44		
	Element 02				
	Substructure (All Provisional)	Carried Forward		Kshs.	

PROPOSED FABRICATION OF A CONTAINER AT GATHARA DISPENSARY

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	Brought Forward			Kshs.	
	<u>Concrete</u>				
A	50mm thick mass concrete class Q (1:3:6) to bottoms of foundations	SM	19		
	<u>Insitu concrete; reinforced; class 20 / 20; vibrated</u>				
B	Foundations in trenches irrespective of thickness	CM	4		
C	150mm thick bed	SM	44		
	<u>Bars; high yield steel; cold worked to B.S. 4461 including bends, hooks, tying wire and distance blocks</u>				
D	10mm bars	KG	128		
E	8mm bars	KG	34		
	<u>Fabric; B.S. 4483</u>				
F	Reference A142 mesh 200 x 200 mm , weight 2.22 kgs per square meter (measured net - no allowance made for laps(including bends, tying wire and distance blocks	SM	44		
	<u>Sawn formwork to insitu concrete as described:-</u>				
G	To sides; vertical or battering of strip foundations.	SM	16		
H	Edges of ground floor slab; 75 to 150mm wide	LM	25		
	<u>Walling</u>				
I	200mm thick approved local natural stone; roughly squared to foundation walling; bedding and jointing in cement sand (1:3) mortar	SM	47		
	Element 02				
	Substructure (All Provisional)	Carried Forward		Kshs.	

PROPOSED FABRICATION OF A CONTAINER AT GATHARA DISPENSARY

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	Brought Forward			Kshs.	
	<u>Damp proofing</u>				
A	Polythene sheet; 500 gauge, 200mm welted laps (no allowance made to laps), horizontal; 1 no. layer laid on compacted quarry dust blinding	SM	44		
B	200mm wide; B.S. 743 Type A bitumen hessian base 150 mm laps (no allowance made for laps); horizontal, 1 no. layer, bedded in cement sand (1:3) mortar	LM	31		
	<u>In situ finishings</u>				
C	14mm thick 2 No. coat work cement sand (1:3) render; wood floated to concrete or blockwork base to walls; external	SM	47		
	<u>Prepare and apply three coats black bituminous paint on:-</u>				
D	Rendered plinths, externally.	SM	47		
	Element 02				
	SUBSTRUCTURES		CARRIED TO SUMMARY	KSHS	

PROPOSED FABRICATION OF A CONTAINER AT GATHARA DISPENSARY

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
A	<p><u>ELEMENT NO. 03 - WELDING AND CUTTING</u></p> <p>Allow for all welding and cutting to take place to create space for doors and windows for ventration and access to container</p> <p>Element 03</p>	SM	6		
	WELDING AND CUTTING- CARRIED TO SUMMARY			KSHS	

PROPOSED FABRICATION OF A CONTAINER AT GATHARA DISPENSARY

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	<u>ELEMENT NO. 04 - OPENINGS</u>				
	<u>DOORS</u>				
	<u>Wrot celcured cypress framed frames and framings</u>				
A	150 x 50 mm; 2 No. labours; plugged door frame	LM	28		
B	40 x 25 mm weathered architrave	LM	28		
C	25mm rounded quadrant	LM	28		
	<u>45mm Thick solid core flush doors to B.S 459: part 2 veneered both sides with first quality plywood and lipped on all edges in approved hardwood</u>				
D	Door size 900 x 2100 mm high; 3 pairs 150mm long purpose made hinges and all necessary ironmongery	NO	123		
	<u>Iron mongery</u>				
	<u>Supply and fix the following to UNION catalogue or other equal and approved</u>				
	<i>To timber surfaces or the like fixing with screws.</i>				
E	100mm steel butt hinges	PRS	4.5		
F	2 lever satin chrome lockcase 57mm centres with Phoenix aluminium handle on plate.	NO	3		
	<i>To metal surfaces or the like welding/fixing with rivets</i>				
G	150mm long purpose-made hinges and drop bolts	NO	6		
	<i>To concrete or blockwork; fixing with bolts; plugging</i>				
H	Rubber door stop complete with 38 mm rawl bolt	NO	4		
	Element 06				
	Openings	Carried Forward		Kshs.	

PROPOSED FABRICATION OF A CONTAINER AT GATHARA DISPENSARY

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	Brought Forward			Kshs.	
	<u>Painting and Decorations</u>				
	<u>Aluminium primer or other equal and approved wood primer before fixing: -</u>				
A	Backs of frame, board, etc over 100mm but not exceeding 200mm girth	LM	28		
B	Ditto not exceeding 100mm girth	LM	56		
	<u>Knot, prime and stop and prepare and apply one undercoat and three coats of gloss oil paint to woodwork internally</u>				
C	General surfaces of timber doors	SM	5		
D	Frames; 100mm to 200mm girth	LM	28		
E	Ditto not exceeding 100mm girth	LM	56		
	<u>Purpose made Z range casement steel doors in small panes c/w framework, integrated steel bull hinges and 150mm recessed towerbolts and permanent ventilators including 20 x 50mm burglar proof flats welded to door running along grids of small pane divisions; all welding ground smooth</u>				
F	Double door; 900 x 2100mm high, with two openable leaves size 900 x 2100 and 600 x 2100mm high; 3 pairs 150mm long purpose made hinges and all necessary ironmongery	NO	4		
G	4mm Thick clear sheet glass panes; fixing with premium putty	SM	12		
	Element 04				
	Carried Forward			Kshs.	

PROPOSED FABRICATION OF A CONTAINER AT GATHARA DISPENSARY

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	Brought Forward			Kshs.	
	<u>WINDOWS</u>				
	<u>Supply, assemble and fix the following purpose-made mild steel casement windows in small panes of 300 x 200mm; standard metal section from approved manufacturer complete with frames, transomes, mullions and with and including permanent ventilators comprising "T" bar, gauze and 16 gauge sheet metal hood 50mm high x 50mm projection to full width of window, coupling mullions, approved ironmongery and one coat manufacturer's primer; all welding ground to smooth finish.</u>				
	<i>Steel; for glazing with putty, lugs to two jambs, cutting and pinning to concrete or blockwork, fixing to head and sill with screws;</i>				
A	Window, overall size 1500 x 1000mm high.	NO	4		
	<u>Glazing</u>				
B	4mm Thick clear sheet glass panes; fixing with premium putty	SM	6		
	<u>Prepare and apply one coat etching primer; one undercoat and two coats gloss oil paint to Crown Solo or other equal and approved to: -</u>				
C	General surfaces of metal casement doors and windows; over 300mm girth.	SM	12		
	Element 06				
	OPENINGS	CARRIED TO SUMMARY		KSHS	

PROPOSED FABRICATION OF A CONTAINER AT GATHARA DISPENSARY

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	ELEMENT 07 -FINISHES				
	<u>Floor finishes</u>				
	<u>In situ Finishings</u>				
	<u>Screed; cement and sand (1:3) coloured</u>				
A	40mm thick red-oxide screed to concrete or blockwork base generally to floors level; internal	SM	39		
	<u>Non-slip Ceramic Floor Tiles</u>				
	<u>Supply and install Ceramic Floor tiles from approved supplier including bedding in approved adhesive and pointing in tinted cement and Tile edgings</u>				
B	Size 330 x 330 x 8 mm thick	SM	15		
	<u>Painting and Decorations</u>				
	<u>Prepare and apply one undercoat and three coats of first quality emulsion paint to the following surfaces</u>				
C	Surfaces of the container.	SM	34		
	<u>STEEL COLUMNS.</u>				
D	75mm diameter x 3mm thick Circular Hollow Section (CHS); 2500mm long fixed with fish tail lugs to concrete floor slab.	NO	4		
	<u>On Metal work</u>				
	<u>Prepare and apply one approved etching primer, one undercoat and two coats of 'CROWN SOLO' or other equal and approved super gloss oil paint to:-</u>				
E	General surfaces of steel columns; not exceeding 100mm girth external	LM	11		
	Element 07				
	FINISHES -CARRIED TO SUMMARY			Kshs.	

PROPOSED FABRICATION OF A CONTAINER AT GATHARA DISPENSARY

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	<u>ELEMENT NO. 08 - PARTITION</u>				
	<u>PARTITION WORKS</u>				
A	<u>6mm thick laminated ; composite framework comprising of heavy duty; grey powder coated; comprising 75 x 45 x 3mm top rail thick sections with one channel, middle horizontal rail with two channels, bottom rail with one chanel,</u>				
	<u>FRAMING</u>				
B	Powder coated alumium frame 76 x44 x 1.2mm with 19 x 16 x 3mm beading.	LM	40		
	<u>MDF</u>				
C	12mm thick special laminate MDF boards, hardwood lipped all round fixed to aluminium framing with aluminium beading.	LM	35		
	<u>Ceiling Finishes</u>				
D	Suspended acoustic ceiling : 600 x 600 x 15mm fine pressed mineral fibre tiles on and including concealed 'T' frame grid system : tegular edges and shallow gap trims : allow for cutting and trimming to light fittings.	LM	36		
E	Supply and lay Approved 'wall to wall' tiles 12mm thick fixed to trowelled screed backing, complete with brass nap lock trims at door oppenings; including approved adhesive and accessories ; internal	59	SM		
	Element 08				
	PARTITION	CARRIED TO SUMMARY			

PROPOSED FABRICATION OF A CONTAINER AT GATHARA DISPENSARY

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	<u>ELEMENT NO. 09- JOINERY AND FITTINGS (ALL PROVISIONAL)</u>				
	<u>WORKTOP CONCRETE WORKS</u>				
	<u>Solid concrete blockwalling in cement sand (1:4) mortar</u>				
A	100mm thick support wall	SM	12		
	<u>Reinforced concrete (1:2:4) class 20/20 in:-</u>				
B	100mm thick suspended slab	SM	14		
	<u>Reinforcements</u>				
C	B.R.C Mesh A65 in slab	SM	14		
	<u>Sawn formwork to:-</u>				
D	soffittes of suspended slab	SM	14		
E	Edge of slab 75-150mm high.	LM	7		
	<u>In situ Finishings</u>				
	<u>24mm thick cement sand (1:4) backing to receive 15mm thick including and edgings</u>				
F	Worktops	SM	14		
	<u>Low-level cabinets</u>				
	<u>Mass concrete (1:3:6) as described in:-</u>				
G	100mm thick benching finished smooth with cement sand (1:4) screed	SM	14		
	<u>Sawn formwork to:-</u>				
H	Edge of slab 75-150mm high	LM	7		
I	Extra over ditto for 25x25mm planted stop to formrebate.	LM	14		
J	25 x 25mm bearer	LM	19		
	<u>25mm thick wrot cypress planed timber boards as described in:-</u>				
K	Shelves lipped all round	SM	21		
L	Divisions ditto	SM	19		
M	Doors lipped all round	SM	16		
	Joinery and Fittings (All Provisional)			Kshs.	
	Carried Forward				

PROPOSED FABRICATION OF A CONTAINER AT GATHARA DISPENSARY

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	Brought Forward			Kshs.	
	<u>Ironmongery</u>				
A	Stainless steel hydraulic malpa hinges	PRS	10		
B	75mm chromium plated barrel bolt	NO	10		
C	"Ideal" or any other equal and approved ball catch.	NO	10		
D	100mm chromium 'D' handles	NO	10		
E	50mm union cupboard lock.	NO	10		
	<u>High-level cabinets</u>				
F	25 x 25mm bearer	LM	26		
	<u>25mm thick wrot cypress planed timber boards as described in:-</u>				
G	Shelves lipped all round	SM	18		
H	Divisions ditto	SM	15		
I	Doors lipped all round	SM	16		
	<u>Ironmongery</u>				
J	Stainless steel hydraulic malpa hinges	PRS	10		
K	75mm chromium plated barrel bolt	NO	10		
L	"Ideal" or any other equal and approved ball catch.	NO	10		
M	100mm chromium 'D' handles	NO	10		
N	50mm union cupboard lock.	NO	10		
	<u>On woodwork</u>				
	<u>Knot, prime and stop and prepare and apply one undercoat and three coats of gloss oil paint to woodwork internally</u>				
O	General surfaces of timber	SM	56		
	Element 09				
	JOINERY AND FITTINGS (ALL PROVISIONAL) CARRIED TO SUMMARY			KSHS	

PROPOSED FABRICATION OF A CONTAINER AT GATHARA DISPENSARY

<u>SUMMARY</u>			
Item	Element	Page. No	Amount
1	Substructures (All Provisional)	BW/4	
2	Welding and Cutting	BW/5	
3	Openings	BW/8	
4	Finishes	BW/9	
5	Roofing	BW/10	
6	Joinery and fittings	BW/12	
TOTAL FOR BUILDER'S WORKS CARRIED TO GRAND SUMMARY			

PROVISIONAL & PC SUMS

PROPOSED FABRICATION OF A CONTAINER AT GATHARA DISPENSARY

<u>PRIME COSTS SUMS</u>					
<u>Container - Fabrication & Installation</u>					
A	Allow a prime cost sum for supply and installation of 12m x2.4m by 2.4m high container to the satisfaction of the client.	1	ITEM		
	Prime Cost	Carried Forward			-

PROPOSED FABRICATION OF A CONTAINER AT GATHARA DISPENSARY

	PROVISIONAL SUMS				
	<p><u>The following provisional sums are to be measured on completion and priced in accordance with the rates contained in these bills of quantities or prorata thereto or deducted in whole if not required</u></p>				Brought Forward
B	<p>Allow a Provisional Sum of Kenya shillings thirty Thousand only for Supervisory Expenses</p>	ITEM			
	PROVISIONAL AND PRICE COST SUM CARRIED TO SUMMARY				KSHS

GRAND SUMMARY

PROPOSED FABRICATION OF A CONTAINER AT GATHARA DISPENSARY

GRAND SUMMARY

ITEM	DESCRIPTION	Page No.	FOR OFFICIAL USE ONLY KSHS.	FOR TENDERER USE ONLY KSHS.
A	Preliminaries	BW/1		
B	Builder's Works	BW / 14		
C	P.C & Provisional Sums	BW / 16		
	SUB-TOTAL			
	ADD 1% PROJECT MANAGEMENT PAYABLE TO COUNTY REVENUE ACCOUNT			
	TOTAL CARRIED TO FORM OF TENDER INCLUSIVE OF 16% V.A.T.			

Amount in words. Kenya shillings

.....

.....Cents

Tenderer's Signature and stamp.....

Address

.....

Date

Witness Signature

Address

.....

Date