REPUBLIC OF KENYA

COUNTY GOVERNMENT OF NYANDARUA

DEPARTMENT OF ROADS, TRANSPORT, ENERGY AND PUBLIC WORKS

PROPOSED CONSTRUCTION AND COMPLETION OF A 3 DOOR PIT LATRINE AND URINAL AT PASSENGA DISPENSARY

FOR

THE DEPARTMENT OF HEALTH SERVICES

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

AUGUST, 2026

BUILDER'S WORKS

PROPOSED 3NO. DOOR PIT LATRINE AND URINAL FOR STABLE SOIL AT PASSENGA DISPENSARY

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	ELEMENT NO. 01 - PRELIMINARIES 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				
A	Allow for all Preliminaries associated with the works	Item	1		
B	Allow for all contract management expenses covering the Project Manager's supervisory,responsibilities, administration of the contract, evaluation of works progress, preparation and submission of reports, site inspections, and all other professional obligations necessary to ensure ,effective supervision and successful completion of the project.	Item	1	30,000	30,000.00
C	Allow for all community led projects management committees expenses covering supervisory, responsibilities ensure effective supervision and successful completion of the project.	Item	1	20,000	20,000.00
	Element 01				
	PRELIMINARIES CARRIED TO SUMMARY			KSHS	

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	ELEMENT NO. 02 - SUBSTRUCTURES				
	Site clearance				
A	Clear the site off bushes, grass, shrubs and all vegetation; cart away as directed.	SM	22		
	Oversite excavation				
B	Excavate oversite to remove top soil average 150mm deep and remove from site	SM	22		
C	Excavate oversite to reduce levels commencing from stripped level not exceeding 1.5 meters deep to be measured on site.	CM	22		
	Excavation				
	Bulk Excavation for pit in unstable Clay grounds including maintaining and supporting sides and keeping free from water, mud and fallen materials and trimming and levelling the surfaces				
D	- not exceeding 1.50 metres deep	CM	11		
E	- 1.50 to 3.00 metres deep	CM	11		
F	- 3.00 to 4.50 metres deep	CM	11		
G	- 4.50 to 6.00 metres deep	CM	11		
H	Excavate foundation trench starting from reduced level not exceeding 1.50 meters deep.	CM	13		
I	Excavate pits for column bases starting from pit level not exceeding 1.50 meters.	CM	6		
J	Extra-over all excavation for excavating in rock irrespective of class	CM	2		
K	Return, fill-in and rum selected excavated materials around foundations	CM	9		
L	Remove and cart away from site surplus excavated materials spread on site as shown by the Client.	CM	72		
	Element 02				
	Substructure (All Provisional)	**Carried Forward**		**Kshs.**	

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	Brought Forward			**Kshs.**	
	Filling				
A	Hardcore filling in making up levels, hand packed, exceeding 300mm thick in layers of 150mm maximum thickness	CM	5		
B	50mm thick murram blinding to surfaces of fill	SM	12		
	Antitermite treatment				
C	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	12		
	Concrete				
D	50mm thick mass concrete class Q (1:3:6) to bottoms of foundations	SM	17		
	Insitu concrete; reinforced; class 20 / 20; vibrated				
E	Foundations in trenches irrespective of thickness	CM	4		
F	Beams	CM	2		
G	175mm thick suspended slab	SM	7		
H	150mm thick bed	SM	12		
	Bars; high yield steel; cold worked to B.S. 4461 including bends, hooks, tying wire and distance blocks				
I	12mm bars	KG	198		
J	10mm bars	KG	125		
K	8mm bars	KG	96		
	Element 02				
	Substructure (All Provisional)	**Carried Forward**		**Kshs.**	

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	Brought Forward			**Kshs.**	
	Fabric; B.S. 4483				
A	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	12		
	Sawn formwork to insitu concrete as described:-				
B	To sides; vertical or battering of strip foundations.	SM	10		
C	To sides; vertical or battering of beams	SM	14		
D	To sides; vertical or battering of column bases and columns	SM	28		
E	Soffits of suspended pit latrine slab *(formwork left in place)*	SM	7		
F	Edges of ground floor slab; 75 to 150mm wide	LM	22		
	Foundation walling				
G	200mm thick approved local natural stone; roughly squared to foundation walling; bedding and jointing in cement sand (1:3) mortar	SM	84		
	Damp proofing				
H	Polythene sheet; 500 gauge, 200mm welted laps (no allowance made to laps), horizontal; 1 no. layer laid on compacted quarry dust blinding	SM	12		
I	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	196		
	Insitu finishings				
J	14mm thick 2 No. coat work cement sand (1:3) render; wood floated to concrete or blockwork base to walls; external	SM	6		
	Element 02				
	Substructure (All Provisional)	**Carried Forward**		**Kshs.**	

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	Brought Forward			**Kshs.**	
	Prepare and apply three coats black bituminous paint on:-				
A	Rendered plinths, externally.	SM	6		
	Element 02				
	SUBSTRUCTURES **CARRIED TO SUMMARY**			**KSHS**	

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	ELEMENT NO. 03 - R.C SUPERSTRUCTURE				
	Insitu concrete; reinforced; class 20 / (20mm); vibrated				
A	Beams	CM	1		
	Reinforcement				
	Bars; high yield steel; cold worked to B.S. 4461 including bends, hooks, tying wire and distance blocks				
B	12mm diameter bars	KG	54		
C	8mm ditto	KG	20		
	Sawn formwork to insitu concrete as described:-				
D	To sides and soffits of beams	SM	10		
	Element 03				
	R.C SUPERSTRUCTURE	**CARRIED TO SUMMARY**		**KSHS**	

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	ELEMENT NO. 04 - WALLING				
	NATURAL STONE WALLING				
A	200 mm thick approved local; chisel dressed both sides; bedding, jointing and pointing in cement sand (1:3) mortar - External	SM	32		
B	200mm ditto but Internal	SM	5		
C	150mm ditto	SM	8		
D	200 mm eaves filling, 200mm high including dressing between rafters	LM	10		
E	250x50mm weathered and throated pre cast concrete coping stones bedded and jointed to walls in cement sand (1:3) mortar	LM	7		
	Labour and material				
F	Raking cutting in 200mm thick natural stone walling	LM	4		
G	Extra over horizontal keying in 10mm thick rod in cement and sand (1:3) mortar; one coat of bituminous paint.	SM	32		
	Element 04				
	WALLING	**CARRIED TO SUMMARY**		**KSHS**	

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	ELEMENT NO. 05 - ROOFING				
	Galvanized corrugated box profile sheet roofing; 28 gauge; Pre-painted				
A	Roof covering not exceeding 45^0 from horizontal; fixing to timber structure (m/s) with roofing nails and neoprene washers.	SM	15		
	CARPENTRY				
	The following in sawn celcured cypress - Grade 2				
B	100 x 50mm sawn cypress rafters	LM	16		
C	100 x 50mm wall plate fixed to concrete beam with 16gauge hoop iron	LM	11		
D	75 x 50mm sawn cypress purlins	LM	21		
	The following in wrot cypress				
E	200 x 25mm thick facsia/barge boards	LM	16		
	Painting and Decorations				
	On Woodwork				
	Prepare and apply one zinc plumbate primer and three coats of 'CROWN SOLO' or other equal and approved super gloss oil paint to:-				
F	Fascias; 200 to 300mm girth; external	LM	16		
	Element 05				
	ROOFING **CARRIED TO SUMMARY**			**KSHS**	

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	ELEMENT NO. 06 - OPENINGS				
	DOORS				
	Wrot celcured cypress framed frames and framings				
A	100 x 50 mm; 2 No. labours; plugged door frame	LM	16		
	50mm thick Framed ledged and braced match boarded door comprising 125x50mm top rail and stiles,200x50mm bottom rail,150x25mm tongued and grooved boarding vee jointed on one side and 6mm thick plywood panel on the other side.				
B	Door size 850 x 2100 mm high	N0	3		
	Iron mongery				
	Supply and fix the following to UNION catalogue or other equal and approved				
	To softwood, hardwood or the like fixing with screws				
C	150mm long stainless steel tower bolt	N0	6		
D	100mm steel butt hinges	PRS	4.5		
	Painting and Decorations				
	Aluminium primer or other equal and approved wood primer before fixing: -				
E	Backs of frame, board, etc over 100mm but not exceeding 200mm girth	LM	16		
	Knot, prime and stop and prepare and apply one undercoat and three coats of gloss oil paint to woodwork internally				
F	General surfaces of timber doors	SM	11		
G	Frames; 100mm to 200mm girth	LM	16		
H	Ditto not exceeding 100mm girth	LM	32		
	Element 06				
	OPENINGS **CARRIED TO SUMMARY**			**KSHS**	

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	ELEMENT NO. 07 - FINISHES				
	Wall finishes				
	Insitu finishes				
	Render; 18mm thick, 1 No. coat work of cement and sand (1:3); wood floated to concrete or blockwork base generally to: -				
A	Beams; external	SM	5		
	Plaster; 18mm thick, 2 No. coat work, 15mm first coat of cement sand (1:3); 3mm second coat of cement and lime putty (1:9); steel trowelled to concrete or blockwork base				
B	Walls; internal	SM	20		
	Painting and Decorations				
	Prepare and apply one undercoat and three coats of first quality emulsion paint to the following surfaces				
C	Rendered surfaces	SM	5		
D	Plastered surfaces	SM	20		
	Ceramic Wall Tiles				
	Cement and sand (1:4) beds and backings				
	Backing to tile dados, etc., thickness				
E	- 15 mm	SM	56		
	Supply and install Ceramic wall tiles from approved supplier including bedding in approved adhesive and pointing in tinted cement and Tile edgings				
F	Size 330 x 330 x 8 mm thick	SM	56		
	Element 07				
	Finishes	**Carried Forward**		**Kshs.**	

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	Brought Forward			**Kshs.**	
	Floor finishes				
	Cement and sand (1:4) beds and backings				
	Beds to receive flooring, etc., finished with a steel trowel, thickness				
A	- 32 mm	SM	18		
	Non-slip ceramic Floor Tiles				
	Supply and install Ceramic Floor tiles from approved supplier including bedding in approved adhesive and pointing in tinted cement and Tile edgings				
B	Size 330 x 330 x 8 mm thick	SM	18		
C	20 x 100 mm high skirting	LM	30		
	Urinal Slab				
D	Provide 100mm diameter golden brown muPVC pipe	LM	12		
E	100mm diameter floor trap	N0	2		
F	100mm diameter golden brown p-trap	N0	2		
	Weathering Slate and Vent Cowl				
G	Provide 4500 mm long ; 100mm ϕ pipe complete with a vent, cowl slate and 100 mm 90° bend.	No.	1		
	Element 07				
	FINISHES **CARRIED TO SUMMARY**			**KSHS**	

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	ELEMENT NO. 08 - RAMP				
	SUBSTRUCTURES.				
	Site clearance				
A	Clear the site off bushes, grass, shrubs and all vegetation; cart away as directed.	SM	7		
	Oversite excavation				
B	Excavate oversite to remove top soil average 150mm deep and remove from site	SM	7		
	Excavation				
C	Excavate oversite to reduce levels commencing from stripped level not exceeding 1.50 meters deep.	CM	6		
D	Excavate foundation trench starting from reduced level not exceeding 1.50 meters deep.	CM	8		
	Filling				
E	Hardcore filling in making up levels, hand packed, exceeding 300mm thick in layers of 150mm maximum thickness	CM	2		
F	50mm thick murram blinding to surfaces of fill	SM	6		
	Antitermite treatment				
G	Premise 200 SC' or other equal and approved anti-termite in	SM	6		
	Concrete				
H	50mm thick mass concrete class Q (1:3:6) to bottoms of foun	SM	21		
	Insitu concrete; reinforced; class 20 / 20; vibrated				
I	Foundations in trenches irrespective of thickness	CM	2		
J	Ditto to bed - 150mm	SM	6		
	Element 08				
	Ramp	**Carried Forward**		**Kshs.**	

Item	Description of Works	Unit	Qty	Rate	Amount (Kshs)
	Brought Forward			**Kshs.**	
	Fabric; B.S. 4483				
A	Reference A142 mesh 200 x 200 mm , weight 2.22 kgs per square meter (measured net - no allowance made for laps(inclunding bends, tying wire and distance blocks	SM	6		
	Sawn formwork to insitu concrete as described:-				
B	To sides; vertical or battering of strip foundations.	SM	6		
C	To sides of beams.	SM	16		
D	Edges of ground floor slab; 75-150 mm wide	LM	14		
	Walling				
E	200mm thick approved local natural stone; roughly squared to foundation walling; bedding and jointing in cement sand (1:3) mortar	SM	19		
	Damp proofing				
F	Polythene sheet; 500 gauge, 200mm welted laps (no allowance made to laps), horizontal; 1 no. layer laid on compacted quarry dust blinding	SM	6		
	FINISHES:-				
	Floor finishes				
	Insitu Finishings				
	Screed; cement and sand (1:3) coloured				
G	40mm thick red-oxide screed to concrete or blockwork base generally to floors level; internal	SM	9		
	Element 08				
	RAMP **CARRIED TO SUMMARY**			**KSHS**	

SUMMARY FOR 3 DOOR PIT LATRINE AND URINAL

Item	Element	Page. No	Amount
01	Preliminaries	BW / 1	
02	Substructures (All Provisional)	BW / 5	
03	R.C Superstructure	BW / 6	
04	Walling	BW / 7	
05	Roofing Construction and Covering	BW / 8	
06	Openings	BW / 9	
07	Finishes	BW / 11	
08	Ramp	BW / 13	
	TOTAL FOR BUILDER'S WORKS CARRIED TO GRAND SUMMARY	KSHS.	

PROPOSED CONSTRUCTION OF A 3 DOOR PIT LATRINE AND URINAL AT PASSENGA DISPENSARY

GRAND SUMMARY

ITEM	DESCRIPTION	Page No.	FOR OFFICIAL USE ONLY	FOR TENDERER USE ONLY
			KSHS.	KSHS.
A	BUILDER'S WORKS	BW / 14		
	SUB-TOTAL ADD 1% PROJECT MANAGEMENT PAYABLE TO COUNTY REVENUE ACCOUNT ADD 0.03% PUBLIC PROCUMENT CAPACITY BUILDING LEVY			
	TOTAL CARRIED TO FORM OF TENDER INCLUSIVE OF 16% V.A.T.			

Amount in words. Kenya shillings .....

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.....Cents .....

Tenderer's Signature and stamp.....

Address .....

.....

Date .....

Witness Signature .....

Address .....

.....

Date .....