



REPUBLIC OF KENYA

MINISTRY OF LANDS, PUBLIC WORKS, HOUSING AND URBAN DEVELOPMENT

STATE DEPARTMENT FOR PUBLIC WORKS

PROPOSED CONSTRUCTION TO COMPLETION OF 4- DOOR STAFF TOILETS (3 SETS) AT ADMINISTRATION POLICE OFFICE, NAIVASHA CONSTITUENCY

W. P. ITEM No.....

UNPRICED BILL OF QUANTITIES

REGIONAL WORKS OFFICER
STATE DEPARTMENT FOR PUBLIC WORKS,
P.O. BOX 660-20100,
NAKURU.

CLIENT
ADMINISTRATION POLICE OFFICE,
P.O BOX 11-20117,
NAIVASHA.

OCT, 2026

**BILL OF QUANTITIES OF THE PROPOSED CONSTRUCTION TO COMPLETION OF 4 NO. DOOR STAFF
TOILETS IN NAIVASHA CONSTITUENCY**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 1</u>				
	<u>SUBSTRUCTURE (All Provisional)</u>				
	<u>Excavation and Earthworks</u>				
	<u>Site preparation</u>				
	<u>Clearing site vegetation; grubbing up roots and filling up voids left with selected excavated material</u>				
A	Bushes, shrubs, undergrowth and small trees girth not exceeding 600mm or the like and cart away from site as directed;	29	SM		
	<u>Top soil stripping</u>				
B	Excavating vegetable soil for preservation, average 150 mm thick	29	SM		
	<u>Excavations</u>				
	To include; trimming sides and bottoms to approval;				
	<u>Excavating Surface to reduce level.</u>				
C	Average 250mm deep	29	SM		
	<u>Excavating Trenches; to receive foundations starting from reduced levels</u>				
D	Not exceeding 1.50m deep	22	CM		
	<u>Bulk excavation; excavate pit starting from reduced levels</u>				
E	Not exceeding 1.50m deep	7	CM		
F	Exceeding 1.5m but not exceeding 3.0m deep	7	CM		
G	Exceeding 3.0m but not exceeding 4.5m deep	7	CM		
H	Exceeding 4.5m but not exceeding 6.0m deep	7	CM		
J	Exceeding 6.0m but not exceeding 7.5m deep	7	CM		
K	Exceeding 7.5m but not exceeding 9.0m deep	7	CM		
	Total Carried to collection				

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TOILETS IN NAIVASHA CONSTITUENCY**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Breaking out existing material; extra over all kinds of excavations irrespective of depth</u>				
A	Extra over all types of excavations for excavating in rock of all types	6	CM		
	<u>Disposal</u>				
B	Backfill with selected excavated material around foundations; compacting in layers maximum 150mm thick; including double or multi handling of excavated where necessary	12	CM		
C	Surplus excavated material; removing from site mechanically	54	CM		
	<u>Disposal of water</u>				
D	Labour and materials, allow for keeping excavations free from general water by pumping, bailing or any other approved methods		ITEM		
	<u>Planking and strutting</u>				
E	Labour and materials, to uphold sides of excavation generally		ITEM		
	<u>FILLING</u>				
	<u>Hardcore</u>				
F	300mm thick hardcore to make up levels, depositing and compacting in layers maximum 150mm thick levelling and grading to appoval	25	SM		
	<u>Murram</u>				
G	Quarry dust murram blinding 50 mm thick rolled smooth to receive polythene sheeting	25	SM		
	<u>Anti-termite treatment</u>				
	<u>Applying "Termidor 25 EC" solution or other equal and approved sprayed evenly by an approved specialist strictly in accordance with the manufacturer's instructions</u>				
H	To surface of fill and tops of foundation walls	29	SM		
	Total Carried to collection				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>CONCRETE WORK</u>				
	<u>Insitu concrete</u>				
	<u>Plain mix 1:3:6 50mm thick blinding to:</u>				
A	Under strip footing	15	SM		
	<u>Vibrated reinforced concrete Class 20/20mm (1:2:4) in:-</u>				
B	Foundation strip	3	CM		
C	Floor Beds; 150 mm thick	29	SM		
	<u>REINFORCEMENT</u>				
	<u>Bars : high tensile steel; cold worked; B. S. 4461 including bends, hooks, tying wire, distance blocks and spacers</u>				
	<u>Suspended slab</u>				
D	10mm diameter; main bars;	68	KG		
	<u>Fabric; B.S 4483</u>				
E	Reference A98; 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 in any location	25	SM		
	<u>Formwork</u>				
	<u>Sawn softwood formwork to insitu concrete</u>				
F	Soffits of suspended slab	5	SM		
G	Edges of floor bed 75 to 150 mm high	23	LM		
	<u>Foundation walling</u>				
	<u>Rough chisel dressed natural stone walling bedded and jointed in cement and sand (1:3) mortar and reinforced with and including 20swg x 25mm wide hoop iron in every alternate course</u>				
H	225mm thick foundation walling	31	SM		
J	Ditto but 100mm thick pit lining to Engineer's approval	24	SM		
	Total Carried to collection				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<u>Damp proof membrane</u> <u>1000 gauge Polythenelaid with 150mm laps,(No allowance made for laps)</u> Horizontal, 1 No. of layer(s) over 300 mm wide	29	SM		
B	<u>Plinth finishes</u> <u>Render, cement and sand (1:3) wood floated</u> 12mm thick 2 No. coat work, to concrete or blockwork base (m/s) generally external	10	SM		
C	<u>Painting: 3 coats black bituminous paint to</u> Rendered surfaces external	10	SM		
D	<u>Paving plinth</u> Plain mix (1:3:6) 600x75mm thick concrete around building plinth including all necessary excavations, reinforcement and formwork as required	14	SM		
	Total Carried to collection				
	<u>COLLECTION</u> B/F from page 1 B/F from page 2 B/F from page 3 B/F from above				
	Total for Substructures carried to Summary				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p>ELEMENT NO. 2</p> <p><u>REINFORCED CONCRETE FRAME</u></p> <p><u>Concrete work</u></p> <p><u>Insitu concrete</u></p> <p><u>Vibrated class 20/20mm (1:2:4) in:-</u></p> <p>Ring beams</p> <p><u>Reinforcement</u></p> <p><u>Bars : high tensile steel; cold worked; B. S. 4461 including bends, hooks, tying wire, distance blocks and spacers</u></p> <p><u>Beams</u></p>	1	CM		
B	8mm diameter; links	28	KG		
C	12mm diameter; main bars	31	KG		
D	<p><u>Formwork to insitu concrete</u></p> <p><u>Sawn formwork as described to:-</u></p> <p>Sides and soffits of beams.</p>	11	SM		
	Total Reinforced Concrete carried to Summary				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO 3</u> <u>WALLING</u> <u>Waterproofing</u> <u>Horizontal damp proof course ; one layer of 3 - ply bituminous felt or other equal and approved (measured nett - allow for laps)</u>				
A	200mm wide, levelled and bedded in cement mortar (1:3) <u>External Walling</u> <u>Natural hard machine cut stone; selected and approved; in walling with a crushing strength of 7.5 N/mm²; walling bedded and jointed in cement and sand (1:3) mortar in 200mm, course height; reinforcement with and including 25mm wide x 20 gauge hoop iron and column wall ties at every alternate course as described in;</u>	28	LM		
B	200mm thick walling	41	SM		
C	200mm thick gable walls	1	SM		
D	Raking cutting to 200mm thick wall	8	LM		
	<u>Internal Walling</u> <u>Natural hard machine cut stone; selected and approved; in walling with a crushing strength of 7.5 N/mm²; walling bedded and jointed in cement and sand (1:3) mortar in 200mm, course height; reinforcement with and including 25mm wide x 20 gauge hoop iron and column wall ties at every alternate course as described in;</u>				
E	200mm thick walling	13	SM		
	Total Walling Carried to Summary				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 4</u>				
	<u>ROOF AND RAIN WATER GOODS</u>				
	<u>Roof covering</u>				
	<u>Gauge 30 prepainted resin coat IT5 roofing sheets; colour as selected by Architect; fixed with self-drilling fasteners to steel purlins; allow foam fillers to open eaves and ridge</u>				
A	Roof covering not exceeding 30 degrees from the horizontal	21	SM		
	<u>CARPENTRY</u>				
	<u>Structural timbers</u>				
	<u>Truss joints to be bolted with appropriated No. of shear connectors or as instructed by Structural Engineer and hoisting approximately 2850mm above ground floor level</u>				
	<u>All timber to be sawn cypress of G.S grade seasoned to an equilibrium moisture content between 9%and 15% and to a requirement of K.S 02771 of 1991 treated with approved wood preservative.</u>				
B	75x50mm rafters	13	LM		
C	50x50 mm purlin/battens	24	LM		
D	75 x 50mm Wall plate bedded in cement : sand (1:3) mortar secured to reinforced concrete ring beam (m/s) by mild steel16mm diameter anchor bolts at 1000mm centres	11	LM		
	<u>Boarding</u>				
	<u>Wrought cypress, prime grade, pressure impregnated</u>				
E	225 x 25mm thick Fascia or barge boards	19	LM		
	<u>Painting and decorating</u>				
	<u>One undercoat and two coats oil paint full gloss finish to crown paints or equal and approved</u>				
F	Timber surfaces 200 to 300mm girth external	19	LM		
	Total Roofing Carried to Summary				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 5</u>				
	<u>DOORS</u>				
	<u>Joinery</u>				
	<u>Frames; Wrot cypress or approved equivalent</u>				
A	150 x 50mm rebated frame with three labours	17	LM		
B	Ditto transom	3	LM		
	<u>Timber doors</u>				
	<u>45mm framed, ledged and braced door consisting of 45x130mm stiles, top, middle and bottom rails each with two labours, 20x150mm braced with panels filled with 25mm tongued, grooved and 'V' jointed match boarding externally including hanging to frame</u>				
C	Door overall size 900x2400mm high	2	NO		
D	Door overall size 1200x2400mm high double leaf double swing doors	1	NO		
	<u>Ironmongery</u>				
	<u>Supply and fix the following : -</u>				
E	Steel butt hinges 100mm	6	PRS		
F	150mm long aluminium padlocking bolt; externally and internally	2	NO		
G	Disabled toilet lock complete with pull handles both ways	1	NO		
	<u>Painting and decorating</u>				
	<u>Prepare and apply one coat etching primer two undercoats and one coat oil paint full gloss furnish to;</u>				
H	General surfaces of doors (both sides measured overall)	14	SM		
J	Wood surfaces 200 - 300mm girth externally	20	LM		
	Total Doors Carried to Summary				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p>ELEMENT NO. 6</p> <p><u>WINDOWS</u></p> <p><u>Metal work</u></p> <p><u>Window grills</u></p> <p>Welded metal grill burglar proofing in 20mmx 20mmx1.5mm thick SHS bars with one coat primer including welding to metal in approved pattern; Overall size 600×600 mm high</p>	3	NO		
B	Ditto but overall size 900*600mm high	1	NO		
C	<p><u>Painting and decorating</u></p> <p><u>One undercoat, two coats oil paint gloss finish as crown paints or other equal and approved catalogue</u></p> <p>Metal grill surfaces generally internally and externally measured overall</p>	4	SM		
	Total Windows carried to Summary				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 7</u>				
	<u>FINISHES</u>				
	<u>External finishes</u>				
	<u>Render</u>				
	<u>15mm thick cement:sand (1:3) render finished with woodfloat to:</u>				
A	Concrete/masonry surfaces to receive exterior paint work (measured separately)	4	SM		
B	Ditto gable wall end façade	1	SM		
	<u>Painting and decorating</u>				
	<u>Prepare and apply -2no. coats Anti-Algea priming coat on exposed wall surfaces as per the manufacturers specifications and -3no. coats Wheather Guard paint as manufactured by Caparol or equivalent quality to:</u>				
C	Rendered concrete surfaces externally	4	SM		
D	Ditto gable wall end façade	1	SM		
	<u>Key pointing</u>				
E	12 X 12mm cement and sand(1:3) mortar horizontal recessed pointing to natural stone walling	39	SM		
	<u>Internal finishes</u>				
	<u>Wall finishes</u>				
	<u>Plaster; 9mm thick first coat of cement and sand (1:6); 3mm second coat fo cement and lime putty (1:10); steel trowelled smooth</u>				
F	12mm thick to concrete surfaces or masonry walls	46	SM		
	<u>Painting and decorating</u>				
	<u>Prepare and apply 1no. Priming undercoat to manufacturers specifications and -3no. finishing coats - vinyl Silk as manufactured by Caparol Paints or equivalent on clean wall surface free of dust, algea, and undulations to:</u>				
G	Plastered walls and concrete surfaces(measured separately)	46	SM		
	Total carried to collection				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p><u>Mortar; Cement and sand (1:4) backings:</u></p> <p>12mm backing finished to receive ceramic wall tiles; average height 1500mm</p> <p><u>Ceramic wall tiles</u></p> <p><u>Saj ceramic tiles or other equal and approved ceramic tiles to B.S. 1281; local; white glazed wall tiles to regular or approved B.S.1281 other pattern; jointed and pointed in coloured proprietary grouting to match; only ceramic tiles to walls on prepared bed (m.s) with propriety adhesive; jointed including pvc spacers, joint trims and expansion joint as necessary: all to Architect's approval: to;</u></p>	27	SM		
B	<p>Walls generally; 250x250mm thick</p> <p><u>Ventilation</u></p>	27	SM		
C	<p>150mm diameter PVC ent pipe with a vent cap or approved equivalent</p> <p><u>Floor finishes</u></p> <p><u>Screed</u></p> <p><u>Cement : sand (1:3) wood floated screeds, backings, beds</u></p>	8	LM		
D	<p>32mm thick to receive non slip ceramic tiles (measured separately)</p> <p><u>Ceramic floor tiles</u></p> <p><u>Saj ceramic tiles or other equal and approved ceramic tiles to B.S. 1281; local; non-slip friction resistant coloured ceramic tiles to regular or approved B.S.1281 other pattern; jointed and pointed in coloured proprietary grouting to match; only ceramic tiles to walls on prepared bed (m.s) with propriety adhesive; jointed including pvc spacers, joint trims and expansion joint as necessary: all to Architect's approval: to;</u></p>	29	SM		
E	<p>Floors generally; 300x300mmx8mm thick</p> <p><u>Urinal channel</u></p>	29	SM		
F	<p>Urinal channel made up of half 150mm diameter pvc pipe built into screed and finished flush all 6000mm long.</p>	1	NO		
	Total carried to collection				

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p align="center"><u>COLLECTION</u></p> <p align="center">B/F from page 10</p> <p align="center">B/F from page 11</p>				
	Total Finishes carried to summary				

**BILL OF QUANTITIES OF THE PROPOSED CONSTRUCTION TO COMPLETION OF 4 NO. DOOR STAFF
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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUMMARY</u>				
	Substructures				
	Reinforced Concrete				
	Walling				
	Roof and rain water goods				
	Doors				
	Windows				
	Finishes				
Total Builders work Carried to Grand Summary					

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IN NAIVASHA CONSTITUENCY**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>PRIME COST AND PROVISIONAL SUMS</u></p> <p><u>Provisional sums</u></p> <p><u>The following provisional sums are to be measured on completion and priced in accordance with the rates contained in this bills if quantities or prorata thereto, or deducted in whole if not required</u></p>				
A	Provide a provisional sum of Kshs Fourteen Thousand (14,000.00) only for Project Management and Supervision				
B	Provide a provisional sum of Kshs Ten Thousand (10,000.00) only for CDF Labelling, Branding and Logo				
C	Provide a provisional sum of Kshs Twenty Five Thousand (25,000.00) only for construction of an entrance ramp and furnishing the PWD Chamber with the required accessories as directed on site				
Total Prime Cost and Provisional Sums carried to Grand Summary					

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GRAND SUMMARY			
ITEM	DESCRIPTION	For Official use only	For Tenderers use only
A	Builders work		
B	Prime cost and provisional sums		
	Sub total		
	Add 0.03% PPRA Levy		
TOTAL CARRIED TO FORM OF TENDER (INCLUSIVE OF ALL TAXES) : KSHS			

Contract period.....Weeks

Tender Sum in words: Kenya Shillings.....
.....
.....

Tenderer's Name.....

Address.....

Date Signature and stamp.....

Witness Name.....

Address.....

Date Signature.....