CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

				RATE	AMOUNT
	PROPOSED CONSTRUCTION OF DISPENSARY AND TWO DOOR PIT LATRINE WITH URINAL				
	ELEMENT NO. 01				
	SUBSTRUCTURE				
A	Clear site of all bushes, shrubs and trees girth not exceeding 600mm, grub out roots, stamps and desposeoff	Sm	100		
B	Excavate oversite average 200mm to remove vegetable top soils, wheel and deposit on site	Sm	166		
C	Excavate for foundation trench not exceeding 1.5m deep starting from stripped level.	Cm	84		
C	Ditto column Piers and column pits	Cm	6		
D	Extra over excavation for rock	cm	4		
E	Return fill in and ram excavated material around foundations.	Cm	54		
F	Cart-away surplus excavated materials to where directed.	Cm	45		
G	Plucking and struting up hold the sides of all excavaation	item			
H	300mm hardcore filling well watered and compac-ted in 150mm layers to receive murram (m.s)	Sm	107		
I	50mm thick murram blinding well compacted to receive floor bed(m.s)	Sm	107		
J	'Termidor' or any other equal and approved anti-termite treatment applied as per manufactures printed instructions.	Sm	114		
K	500mm gauge polythene damp proof membrane.	Sm	114		
	CONCRETE WORK				
L	50mm thick mass concrete (1;4:8) to bottom of foundation	sm	58		
	Carried to collection				

HEAD OF PUBLIC WORKS
KITUI CENTRAL REGION
23 JUN 2025
COUNTY GOVERNMENT OF KITUI
P.O. Box 33-90200 KITUI

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH
A	50mm thick mass concrete (1;4:8) to bottom of piers	sm	7		
B	Mass concrete 100mm thick floor bed 1:3:6	Sm	114		
C	Ditto in strip footing	Cm	11		
D	Ditto in piers base	Cm	1		
	Sawnform work to:-				
F	Edges of surface bed and piers 75-150mm high.	Lm	47		
G	Ditto to strip foundation	sm	37		
H	Ditto to piers	sm	5		
	Walling				
J	200mm thick natural stone walling(7N/smm min crushing strength) in cement sand mortar 1:4 with and including hoop-iron after every 2nd alternate course.	Sm	140		
	Plinths				
K	12mm thick rendering in cement sand mortar 1:4	Sm	14		
L	Prepare and apply 3 coats black bituminous paint to ditto.	Sm	14		
	Carried to collection				
	COLLECTION				
	Brought forward from pg A				
	Brought forward from pg B				
	TOTAL FOR ELEMENT NO. 1-SUBSTRUCTURE CARRIED TO SUMMARY				

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH
	ELEMENT NO. 02-WALLING				
	Vibrated reinforced concrete 1:2:4 (20/20):-				
A	Ring beams & lintols	Cm	5		
B	Ditto but for piers	CM	1		
	Reinforcement				
	In beams				
C	8mm diametre mild steel bars to B.s 4449	Kg	95		
D	12mm diametre square twisted bars to B.s 4461.	Kg	191		
	Formwork				
E	Sides of beams	Sm	31		
F	Soffites of beams	Sm	10		
	Walling				
J	200mm thick machine cut stone walling in cement sand mortar 1:4 with and including hoop-iron after every 2nd alternate course externally	Sm	183		
K	Ditto Gable walling	Sm	34		
L	Ditto piers	Sm	4		
L	Ditto Dwarf walls	Sm	22		
M	*Hessian based bituminous felt damp proof course bedded on mortar including leveling:-*				
	200mm wide 3-ply hessian based damp proof course in cement sand mortar 1:3 under walls	Lm	91		
N	250x200x25mm ventilation blocks long building to opening in wall in cement sand 1:4 with both ends flush with all faces and neat v-joint all round at junction with plaster.	No.	28		
P	Form or leave hole for ditto size 200x250mm diametrein 200mm thick walling.	No.	14		
Q	Labour and materials for eaves filling 200mmwide and 250mm mean height.	Lm	45		
	Total carried to collection				

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH
	SEAT BENCHES				
A	75mm thick cast insitu vibrated reinforced concrete 1:2:4 to seat benches	Sm	9		
B	Sawn formwork to soffit of ditto	Sm	9		
C	ditto to edges 75-150mm high	Lm	15		
D	B.R.C A 142 in floor bed	Sm	9		
E	25mm thick cement sand screed to top and edges	Sm	9		
F	200mm thick machine cut dwarf walling in cement sand mortar 1:3	Sm	11		
G	15mm thick cement sand plaster 1:3 to ditto	Sm	11		
H	3 coats plastic emulsion paint to plastered surfaces	Sm	19		
J	75mm diameter steel pipes CHS	No	5		
	Carried to collection				

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH
	WORKTOPS				
A	75mm thick cast insitu vibrated reinforced concrete 1:2:4 to worktops	Sm	7		
B	Sawn formwork to soffit of ditto	Sm	7		
C	Ditto to edges of 75-150mm high	Lm	11		
D	B.R.C A 142 to worktops	Sm	7		
E	Extra over boxing to create sink opening size	No	3		
F	15mm thick cement sand plaster to edges	lm	11		
G	200mm walling in cement sand mortar dwarf walls	sm	5		
H	2000mm DPC	Lm	4		
J	15mm thick cement sand plaster to walls	sm	10		
K	25mm thick cement sand screed to top of worktops and edges	Sm	9		
L	Prepare and apply 3 coats of super gloss oil paint to plastered areas	SM	10		
M	Ditto to work tops	SM	9		
	Carried to collection				

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH
	ELEMENT NO. 8: JOINERY FITTINGS The following in 25mm thick laminated MDF boards: 75 x 50mm softwood frames: 40 x 20mm Architraves: 15mm quadrant beadings: 'Union' brass ironmongery: malpha hinges: ball catches: drawer and door knobs:: all to Architects details **SHELVES** **As manufactured by Hwang Sung Ltd or similar** Built in shelve units: comprising 75 x 50mm wrot softwood frames: 50 x 25mm bearers plugged and screwed: 25mm blockboard sides; 450x500mm high blockboard shelves : as per Architect's details				
A	Shelves size 6..0x 2.4m high	No	1		
	Carried to collection				
	COLLECTION				
	Brought forward from pg 3				
	Brought forward from pg 4				
	Brought forward from pg 5				
	Brought forward from pg Above				
	TOTAL FOR ELEMENT NO. 2 WALLING CARRIED TO SUMMARY				

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH
	ELEMENT NO. 03 ROOF				
	Roof cover				
	IT5 profiled G30 nailed with washers to match.	Sm	153		
B	Ditto ridge cover.	Lm	17		
	CARPENTRY				
	All in celcured well treated and seasoned cypress				
C	150 x 50mm rafter.	LM	120		
D	150 x 50 mm tie beam.	LM	83		
E	100 x 50 mm strutts and ties	LM	101		
F	100 x 50mm wall plate.	LM	50		
G	75 x 50mm purlins.	LM	204		
H	150x50mm king post	LM	18		
J	200 x 25mm fasciaboard and barge board.	LM	54		
	Sundries				
K	Bed wall plate in cement sand mortar 1:3 .	Lm	34		
L	Knot, prime,stop and apply 3 coats of super gloss oil paint to surfaces of fascia board 200-300mm high	Lm	54		
M	100mm diameter upvc gutter fixed to fasica with and including approved holder bats at 1500mm c/c	Lm	34		
	TOTAL FOR ELEMENT NO. 03 ROOFCARRIED TO SUMMARY				

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO. 5- DOORS				
	TIMBER DOORS				
A	900x2400mm 50 mm thick semi solid door lined with mahogany veenered both sides hardwood lipped all round	No	6		
B	Door frames 100x50mm	LM	36		
C	100x50mm transome	LM	36		
D	25mm quadrant beading	LM	36		
E	40x20mm moulded architrave	LM	36		
	Ironmongery as per 'union' catalogue or other equal and approved				
F	100mm pressed steel brass hinges	PRS	9		
G	2 Lever mortice lock complete with aluminium handles	NO	6		
H	38mm diameter rubber door stopper with rawl bolt fixed to wall	No	6		
	Prepare and apply 3 coats polyurathene clear matt vanish to:				
J	General surfaces of wood	SM	26		
K	Ditto between 200-300mm ditto	LM	36		
	METAL DOORS				
L	Provide and fix purpose made steel casement doorin 32x25x3mm R.H.S frame and checkered 2mm thick plate as required size 900x2100mm high, top as plaincheckered paneled sheet with all necessary burglarproofing 3-lever locks complete with stays, fasternerslugs, rawl bolts and one coat red oxide primerincluding casting into walling in cement sand mortar1:3 with door stoppers .	No.	5		
	Painting Prepare, prime and apply 2 coats of super gloss oil paint as "crown" or any other equal and approved to surfaces of:				
M	Steel doors	Sm	22		
	TOTAL CARRIED TO COLLECTION FOR DOOR				

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH
	ELEMENT NO. 5-WINDOWS				
	Supply and fix the following purpose made steel casement purpose made windows, including all cuttings,lugs, stays and bedding into wallsin cement sand mortar 1:4 complete with all necessary accessories and priming once in red-oxide.				
A	Window size 1200x 1500mm high, with two openable side panes and four permanent mid panes as per Architects drawing.	No.	10		
	Glazing				
B	4mm thick clear sheet glass in panes 0.1-0.5sm fixed in steel window panes with putty.	Sm	18		
	Window cill				
C	Precast concrete weathered and throated window cill 250 x 75mm thick reinforced with 2 No. 8mm diametre bars including all moulds and bedding in cement sand mortar 1:4	Lm	14		
	Prepare, prime and apply 2 coats of super gloss oil paint as "crown" or any pther equal and aproved to surfaces of:-				
D	Steel windows	Sm	36		
	TOTAL CARRIED TO COLLECTION FOR WINDOW				

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH
	ELEMENT NO. 7 -FINISHES				
	Floors				
A	25mm thick coloured cement sand screed steel trowelled smooth.	Sm	114		
B	25 x 75mm high ditto skrting with a round top and coved at junction.	Lm	83		
	walls				
C	20mm thick gauged plaster cement sand lime 1:1:6 with a smooth float.	Sm	236		
D	Ditto Gable walling	Sm	68		
E	Ditto to reveals and jambs.	Sm	12		
G	Ditto Dwarf walls	Sm	22		
H	Extra over horizzontal pointig in 10mm thick rod in cement sand mortar(1.3) to external wall	sm	84		
J	Ditto Gable walling	Sm	12		
K	Ditto piers	Sm	21		
L	Ditto to reveals and jambs.	Sm	12		
M	Ditto Rendered surfaces	Sm	28		
	TOTAL FOR ELEMENT NO. 7 FINISHES				
	CARRIED TO SUMMARY.				

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH
	ELEMENT NO. 8 PAINTING & DECORATIONS				
	Prepare and apply 1 undercoat and one finishing coats 1st quality SILK VINYL emulsion paint to:-				
A	Plastered areas internally	Sm	236		
B	Ditto Gable walling	Sm	68		
C	Surfaces of revelas and jambs	Sm	12		
D					
	Prepare and apply 1 undercoat and one finishing coats 1st quality MATT emulsion paint to:-				
E	Ditto to surfaces of reveals and jambs.	Sm	12		
F	Ditto Gable walling	Sm	14		
G	Ditto rendered surfaces	Sm	28		
H	Ditto piers	Sm	21		
H	Ditto CHS pipes	LM	15		
	TOTAL FOR ELEMENT NO. 8-PAINTING & DECORATIONS CARRIED TO SUMMARY				

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ELECTRICAL BILL OF QUANTITIES FOR THE PROPOSED CONSTRUCTION					
	Supply, install, test and commission the following;				
ITEM	DESCRIPTION	QTY	UNIT	RATE (Ksh)	AMOUNT(Ksh)
1	POWER INTAKE				
1.1	A standard 14-gauge powder coated Meter box to accommodate fused cut-outs (Fuse carriers), Neutral block, Digital meter, 63A Dp isolator and all necessary accessories to Electrical Engineer's approval.	1	No		
2	SUB-MAINS				
2.1	Sub-mains comprising of 3 x 6.0 mm^2 pvc single core ASL or Western cables from the meter box to the CCU as below;				
	i) Red	20	Lm		
	ii) Black	20	Lm		
	iii) Yellow/Green -Earth	20	Lm		
2.2	6-Way Consumer Control Unit as Havells, Tronic or Schneider.	1	No		
2.3	MCB's for the above item 2.2 as original Havells, Tronic or Schneider as;				
	(i) 10A SP MCB	1	No		
	(ii) 20A SP MCB	1	No		
	(iii) 32A SP MCB	1	No		
	Sub -Total - 1				

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	DESCRIPTION	QTY	UNIT	RATE (Ksh)	AMOUNT(Ksh)
3	LIGHTING POINTS, FITTINGS & SWITCHES				
	a). Lighting points				
3.1	Lighting points wired with 1.5mm² PVC single core cables [E.A cables or ASL] drawn into concealed 20mm dia heavy gauge conduits with all the necessary accessories.				
	(i) 1-way lighting points	4	No		
	(ii) 2-way lighting points	3	No		
3.2	1.5mm² lighting cirtuitry cables as;				
	i) Red	180	Lm		
	ii) Black	90	Lm		
	iii) Yellow/Green -Earth	90	Lm		
	b). Fittings				
3.3	4ft. 1x 18W (single) LED fixtures complete with tubes as Metsec, Tronic or approved equivalent with all the necessary accessories.	6	No		
3.4	20W LED floodlights (security lights) as tronic, wired using 1.5mm² SC cables [E.A cables or ASL] via 25A Electromagnetic Contactor with a 240v coil automatically energized via a photocell.	4	No		
3.5	25A Electromagnetic contactor as Schneider or Telemecanique for the item 3.4 above.	1	No.		
3.6	10A Photocell sensor as Zodion.	1	No.		
	c). Switches				
3.7	10A switches as original Tronic, Carl & Gilberts or its equivalent as;				
	(i) 1-gang 1-way	4	No		
	(ii) 1-gang 2-way	1	No		
	(iii) 2-gang 2-way	1	No		
	Sub -Total - 2				134,650.00

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	DESCRIPTION	QTY	UNIT	RATE (Ksh)	AMOUNT(Ksh)
4	POWERPOINTS & SOCKET OUTLETS				
4.1	Single phase powerpoints wired using 2.5mm² PVC single-core cables as [E.A cables or ASL] drawn into concealed H/G conduits where necessary wired in ring or radial circuitry.				
	i) Red	90	Lm		
	ii) Black	90	Lm		
	iii) Yellow/Green -Earth	90	Lm		
4.2	13A double socket outlet as original Tronic or Carl & Gilberts original.	8	No		
5	EARTHING				
5.1	300X300X300mm concrete earthing chamber complete with concrete cover.	1	Item		
5.2	Earth rod (16mm dia 1500mm long) with Earth rod Clamp and driving head for earth rod.	1	No.		
5.3	6.0mm² SC/PVC copper earth lead in concealed 20mm dia HG pvc conduit from the meterbox to the earth chamber.	3	Lm		
6	FIRE FIGHTING SYSTEM				
6.1	Exit Sign with self-contained recessed surface mount double sided neon light.	2	No		
6.2	9 litre H_2O/CO_2 portable fire extinguishers.	1	No		
6.3	5kg CO_2 gas portable fire extinguishers.	1	No		
	Sub -Total - 3				
	SUMMARY PAGE				

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	ELECTRICAL WORKS TOTAL CARRIED TO GRAND SUMMARY			
	Sub Total carried to Summary from Page 1 Sub Total carried to Summary from Page 2 Sub Total carried to Summary from Page 3			
	TOTAL			

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	MECHANICAL WORKS				
	PLUMBING WORKS				
	SANITARY FITTINGS				
	Supply, deliver, install and fix the following sanitary fittings including all materials and jointing to supply, waste/soil and overflow pipes. Twfords Ltd products are specified only as an indication of quality. Equal and approved appliances may be supplied. Where trade names are mentioned, the Ref. No. is intended only as a guide to the type and quality of fittings.				
	Wash hand basin				
A	Wash hand basin, size 510 x 420mm wide in white colour to BS 3402, complete with the following:- Wash hand basin with two tap holes and chain stay hole Ref. No. WB 2535. Chrome plate Aztec pillar taps ½ Ref.No. AZ 5200 CP Chrome plated tap handles Ref:No AZ 5800 CP Chrome plated chain waste Ref; No. 5823CP Wall supports Ref. No. SR 1319XX as Twyfords "SOLA 590"	NO	3		
B	Supply and fix 3,ooolts plastic water tank as KEN TANKS inlcuding all neccesaary plumping works to project manager's approval	NO	1		
C	Supply and install steel fabricated stand with platform to suport water tank ,supported by CHS 75mm diameter steel columns arnchored on concrete as instructed and approved byproject manager	No	1		
D	Supply and install a booster pump 25mm diammeter pedrolo ,with top plug,complete with caging and all necessary plumbing fittings	NO	1		
E	Allow sum of fifty thousand for internal plumping and water conectivity to elevated water tank	item			
	TOTAL CARRIED TO COLLECTION				

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Allow sum of Eighty fuve thousand for soak pits and man holes and water conectivity	item			
B	Supply and install stainless steel sinks with all necessary plumping to be approved by project manager	NO	3		
	Carried to collection				
	COLLECTION Brought forward from pg 16				
	Brought forward from pg Above				
	TOTAL FOR MECHANICAL WORK				

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	DESCRIPTION	KSH
	SUMMARY OF ELEMENTS	
A	ELEMENT NO. 1 , SUBSTRUCTURE from pg 2	
B	ELEMENT NO. 2 , SUPERSTRUCTURE R.C & WALLING from pg 6	
C	ELEMENT NO 3, ROOFING from pg 7	
D	ELEMENT NO. 4, DOORS from pg 8	
E	ELEMENT NO. 5, WINDOWS from pg 9	
F	ELEMENT NO 6, FINISHES from pg 10	
G	ELEMENT NO. 7 PAINTING & DECORATIONS from pg 11	
G	ELEMENT NO. 8 ELECTRICAL WORK from pg 15	
G	ELEMENT NO. 9 MECHANICAL WORK from pg 18	
	TOTAL FOR COMPLETION OF DISPENSARY CARRIED TO GRAND SUMMARY.	

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	TWO DOOR PIT LATRINE WITH URINAL				
	Excavation and Earthworks				
	Excavate for pit and for not exceeding 1.5m deep	cm	14		
B	Ditto 1.5-3.0m deep	Cm	5		
C	Ditto 3.0-4.5m deep	Cm	5		
D	Ditto 4.5-6.0m deep	Cm	5		
E	Ditto 6.0-7.5m deep	Cm	5		
F	Extra over excavation for excavating in rock class "A"	Cm	25		
G	Load and cart away excavated materials from site as directed	Cm	18		
H	Backfill around the pit linning	cm	7		
	Sawn formwork				
I	Sawn formwork to sides of floor slab 75-150mm high	Lm	12		
J	Ditto soffits of suspended floor slab and slab beam	Sm	10		
K	Extra over ditto for boxing hole size 200x200mm in floor slab	No	2		
L	Mass concrete 1:3:6 in strip foundation	cm	2		
M	sawn formwork to ditto 75-150mm high	Im	12		
N	200mm thick natural stone walling in pit as lining from the bottom of pit in cement sand mortar 1;4 .	Sm	78		
P	12mm thick plaster 1:3 cement sand to walling in pit	Sm	78		
Q	termidor or any other approved antitermite around the pit	sm	9		
	Carried to collection				

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
A	150mm thick vibrated reinforced concrete 1:2:4 in floor slab	Sm	14		
B	vibrated reinforced concrete 1:2:4 in intermidiate,ground ,ring beams	Cm	2		
C	B.R.C mesh reinforcement A142 (nett allow for laps)	Sm	15		
D	Damp proof membrane in ditto	Sm	15		
E	Damp proof course bedded in cement sand mortar 1:4	Lm	25		
	Rainforcement				
F	Slab ,intermidiate linning beam , 1no slab beam and ring beam 12mm diameter square twisted bars	kg	98		
G	8mm diameter square twisted bars	kg	62		
H	200mm machine dressed walling in cement sand mortar 1:3 with and including hoop iron after every 2 courses	Sm	35		
I	12mm cement sand 1:2 plaster to walls internally	Sm	55		
J	Ditto render to walls externally with a wood float	Sm	26		
K	100x50wrott celcured cypress door frame plugged with one labour	Lm	8		
L	25mm thick T & G boarded wrott cypress door, with top,mid and bottom rails, size 150x25mm thick	No	2		
M	75mm long pressed steel butt hinges	prs	3		
N	50mm long, 6mm diameter mild steel tower bolts	No	4		
O	100mm long , 10mm diametre mild steel pad-lock bolts with accessories.	NO	4		
P	75mm thick weathered and throated saddled-back grey precast concrete coping jointed in cement ,sand mortar . for 2oomm thick screen wall	lm	5		
	Carried to collection				

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	Roof				
A	100X50mm sawn celcured,seasoned rafter and purlins	Lm	26		
B	Ditto 200x25mm fascia board	Lm	12		
C	Gauge 28prepainted corrugated iron sheets roof cover fixed in rubber washers to match	Sm	11		
	Supply and fix the following purpose made steel casement purpose made windows, including all cuttings, lugs, stays and beddings into walls in cement sand mortar 1:4 complete with all necessary accessories and priming once in red oxide				
D	Window size 600x600mm high	No	2		
E	200x200mm precast concrete vent blocks, with and including coffee tray wire and mosquito gauge wire.	prs	2		
F	Leave or form 200x200mm opening hole in floor slab for vent pipe	No	2		
G	Form or leave 100mm diameter hole in floor slab for vent pipe	No	1		
H	100mm diameter U.P.V.C waste pipe fixed to slab in cement sand mortar 1:3	LM	4		
I	100mm diameter P.V.C vent cowl	No	1		
J	24mm thick coloured cement sand screed 1:4 steel trowelled smooth	Sm	17		
K	Prepare and apply 3 coats plastic emulsion paint to rendered walls	Sm	14		
L	Ditto smooth velvet emulsion paint to plastered surfaces	Sm	55		
M	Knot, prime,stop and apply 3 coats gloss oil paint to surfaces of doors	Sm	8		
	Carried to collection				

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
A	Ditto but door frames 100-200mm high	Lm	15		
B	Ditto but 200-300mm high fascia board	Lm	16		
C	2no single leafed locking gate , ms grille framed with 40x25x3mm thick R.H.S sections including assembling and fixing to opening cutting and pinning lugs to masonry block blockwork and bedding frame in cement and sand mortar	No	2		
	Carried to collection				
	COLLECTION				
	Brought forward from Pg 14				
	Brought forward from Pg 15				
	Brought forward from Pg 16				
	Brought down from above				
	Total carried to Grand summary				

CONSTRUCTION OF DISPENSARY BLOCK AND TWO DOOR PIT LATRINE WITH URINAL AT KASANG'U DISPENSARY

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	SUMMARY				
1	Construction of Dispensary from Pg 18				
2	Two door pit latrine from page 22				
	TOTAL CARRIED TO GRND SUMMARY				

Item	Description	Qty	Unit	Rate	Amount (Kshs.)
	PROPOSED CONSTRUCTION OF MATERNITY AT KASANG'U DISPENSARY				
	ELEMENT NO. 1: SUBSTRUCTURE (PROVISIONAL)				
A	Clear site off all vegetation including small trees, scrubs and bushes	168	Sm		
	EARTHWORKS				
B	Excavate to reduce levels: average depth of 300mm starting from existing ground level	8	Cm		
C	Excavate foundation trenches commencing from reduced level: not exceeding 1.5 m deep	45	Cm		
D	Return, fill and ram selected soil in foundations	22	Cm		
E	Remove surplus spoil from site to a location approved by the Municipal Council	23	Cm		
F	Extra over all excavations and earthworks for breaking up rock at any point	2	Cm		
	CONCRETE				
	Plain concrete class 15/40 :in				
G	50 mm Thick blinding to strip foundations	30	Sm		
	Reinforced concrete class 20/20: vibrated: in.				
H	Strip foundations	8	Cm		
	Reinforced concrete contd.				
I	100mm thick floor bed	147	Sm		
	Carried to Collection				

Item	Description	Qty	Unit	Rate	Amount (Kshs.)
A	Mesh reinforcement No. A142 weighing 2.22 kg per square metre: in floor slab: including all necessary supports: allow for laps and bonding to existing slabs	147	Sm		
	Sawn formwork: to				
D	Sides: strip foundation	25	Sm		
E	Edges of surface bed: over 75 mm but not exceeding 150mm girth	45	Lm		
	Walls				
F	200 mm Thick natural local stone foundation walls: bedded and jointed in cement and sand (1:4) mortar	52	Sm		
	Hardcore				
G	Hardcore of approved quarry stone: compacted in 150 mm thick (max) layers	146	Sm		
	Anti-termite Treatment				
H	Dragnet FT' anti-termite chemical treatment: applied by Insecta ltd. or other approved professional pest control specialist: applied strictly in accordance with the manufacturer's instructions: 10 year guarantee	146	Sm		
	Carried to Collection				

Item	Description	Qty	Unit	Rate	Amount (Kshs.)
	Blinding				
A	50 mm Thick approved quality quarry dust blinding to surfaces of hardcore	146	Sm		
	DPM				
B	Gauge 1000 polythene damp proof membrane	146	Sm		
	Plinth Finishes				
	25 mm Thick cement and sand (1:4) rendering: on concrete or stonework: wood float finished: to				
C	Plinths: externally	28	Sm		
	Prepare surfaces and apply undercoat and two finishing coats black bitumastic or other equal approved water resistant paint: on rendered surfaces: to				
D	Plinths: externally	28	Sm		
	Carried to Collection				
	Collection				
	From page R/24				
	From page R/25				
	From above				
	TOTAL FOR SUBSTRUCTURE CARRIED TO SUMMARY				

Item	Description	Qty	Unit	Rate	Amount (Kshs.)
	ELEMENT NO. 2: WALLING				
	External Walls				
	Natural stone walls as local approved stone: machine dressed both sides: bedded, jointed and pointed in cement sand (1:3) mortar: flush vertical and horizontal joints :in				
A	200 mm Thick walls	100	Sm		
	Internal Walls				
	Natural stone walls as local approved stone: machine dressed both sides: bedded, jointed and pointed in cement sand (1:3) mortar: flush vertical and horizontal joints :in				
B	200 mm Thick walls	145	Sm		
	Bituminous hessian base to BS 743 type A: or other equal approved damp-proof course: in cement/ sand (1:3) mortar				
C	200 mm wide	34	Lm		
	TOTAL FOR WALLING CARRIED TO SUMMARY				

Item	Description	Qty	Unit	Rate	Amount (Kshs.)
	ELEMENT NO. 3: RC SUPERSTRUCTURE				
	Reinforced concrete class 20/20: vibrated: in.				
A	Beams	3	Cm		
B	Columns	1	Cm		
	High yield square twisted steel bar reinforcement to BS 4461 and KS 02-22:1976: including bends, hooks, tying wire, distance blocks and spacers				
C	8 mm Bars	119	Kg		
D	12 mm Bars	185	Kg		
	Sawn formwork: to				
E	Sides and soffits: beams	31	Sm		
F	Sides of columns	8	Sm		
	TOTAL FOR RC SUPERSTRUCTURE CARRIED TO SUMMARY				

Item	Description	Qty	Unit	Rate	Amount (Kshs.)
	ELEMENT NO. 4: ROOF				
	ROOF STRUCTURE (all Provisional)				
	Sawn cypress: second grade: clean: pre-treated with wood preservative to engineers approval: including jointing and connections as necessary				
A	100 x 50 mm Rafter: in trusses	132	Lm		
B	100 x 50 mm: tie beam	114	Lm		
C	100 x 50 mm: Struts and ties	148	Lm		
D	100 x 50 mm Independent, hip and valley rafters	22	Lm		
E	100 x 50mm ridge piece	10	Lm		
F	75x50mm Purlins	202	Lm		
G	100 x 50 mm Wall plate: fixed to concrete or masonry with approved bolts at 1000 mm centres	32	Lm		
H	16mm diameter high density rag bolt 150mm long built into beam: including nut and washer	20	No		
	ROOF COVERING				
	ROOF COVERING				
I	Gauge 30 gauge IT4 box profile sheet roof cover fixed to purlins	220	SM		
J	Ditto; ridge capping to match	18	LM		
	Carried to collection				

Item	Description	Qty	Unit	Rate	Amount (Kshs.)
	Wrot cypress: Prime Grade				
A	225 x 25 mm Fascia and barge board	60	Lm		
	Prepare surfaces: and apply undercoat and two finishing coats first grade clear varnish or gloss oil paint as "Crown Paints" or other equal approved: on wooden surfaces: to				
B	Fascia and barge boards: surfaces over 200 but not exceeding 300 mm girth	60	Lm		
	Carried to collection				
	Collection				
	From page R/29				
	From above				
	TOTAL FOR ROOF CARRIED TO SUMMARY				

Item	Description	Qty	Unit	Rate	Amount (Kshs.)
	ELEMENT NO. 5: DOORS				
	Internal Doors				
	45 mm Thick flush door: Semi solid core; Mahogany veneer facing to both sides: hardwood lipped edges				
A	900 x 2100 mm overall Door with fanlight	9	No.		
B	1500 x 2100 mm double Door with fanlight Wrot Cypress: Prime grade	1	No.		
C	100 x 50 mm Door frame: rebated	51	Lm		
D	38 x 25 mm Architrave	51	Lm		
E	25 mm Quadrant	51	Lm		
	Glass sheet in openings: clear: ordinary				
F	5 mm thick to timber with and including timber beads : panes not exceeding 0.50Sm to fanlights and sidelights	3	Sm		
	Prepare surfaces and apply one coat (undercoat) and two coats polyurethene clear lacquer paint as "Crown Paints" or other equal approved: on wood surfaces: to				
G	Door: general surfaces	40	Sm		
H	Surfaces over 200 mm but not exceeding 300 mm girth: frame, architrave and quandrant	51	Lm		
	Carried to collection				

Item	Description	Qty	Unit	Rate	Amount (Kshs.)
	Supply and Fix English "Union" or other equal approved ironmongery: matching screws: locks to include a set of 3 keys:				
A	Steel butt Hinges: 100x75x2mm	16.5	Prs		
B	2-lever Brass Mortise Door lock with brass door handle	10	No.		
C	Rubber Door Stopper	11	No.		
	External Metal Doors				
	Supply, assemble and fix the following steel framed doors to BS7950, including steel plates on both sides;75 x 50 x 3mm thick rebated frame plugged all round and to include hinges and rebated door lock to works officer approval including 300mm high fanlight				
D	Double Doors overall size 1500x 2400mm high	1	No		
E	Ditto;size 1000x2400mm high	2	No		
	To concrete or blockwork; fixing with bolts; plugging				
F	Rubber door stop complete with 38 mm rawl bolt	4	No.		
	Painting and Decorations				
	Prepare and apply three coats of 1st quality gloss oil paint to: -				
G	General surfaces of doors	17	Sm		
	Carried to collection				
	Collection				
	From page R/31				
	From above				
	TOTAL FOR DOORS CARRIED TO SUMMARY				

Item	Description	Qty	Unit	Rate	Amount (Kshs.)
	ELEMENT NO.6: WINDOWS Windows Steel casement windows: purpose made metal casement sections: integral burglar proofing square bars 16mm thick to all panels at 200 mm centres vertically and 200 mm wide horizontally: Zed and tee sections to architects detail and approval: including permanent ventilators comprising 'T' bar, gauze and metal hood: openable casements: coupling mullions: approved brass ironmongery:				
A	Window size 1500x1500mm high overall	2	No		
B	Window size 1200x1200mm high overall	8	No		
C	Window size 600x600mm high overall 4mm Thick clear sheet glass and glazing to steel casement windows with and including linseed putty: in panes	5	No		
D	Panes: not exceeding 0.50 sm 4 mm Thick obscured sheet glass and glazing to steel casement windows with and including linseed putty: in panes	16	Sm		
E	Panes: not exceeding 0.50 sm Approved pre-cast concrete cill: bedded and jointed in cement (sand (1:3) mortar: pointed in matching coloured cement	2	Sm		
F	150 x 25 mm Thick cill; once weathered and throated	8	Lm		
	Carried to collection				

Item	Description	Qty	Unit	Rate	Amount (Kshs.)
	Prepare surfaces: apply undercoat and two finishing coats first grade gloss paint as "Crown Paints" or other equal approved metallic paint: on metal surfaces: to				
A	General surfaces: windows and burglarproofing grilles internally (measured flat overall)	18	Sm		
B	Ditto externally	18	Sm		
	Carried to Collection below				
	Collection				
	From page R/33				
	From page above				
	TOTAL FOR WINDOWS CARRIED TO SUMMARY				

Item	Description	Qty	Unit	Rate	Amount (Kshs.)
	ELEMENT NO. 7: FINISHES				
	Floor finishes				
	Floors				
A	32mm thick cement sand screed to receive tiles	146	Sm		
B	10mm thick approved non slip ceramic floor tiles laid with approved adhesive in acordance with manufacturer's printed instructions.	146	Sm		
C	100x 8mm thick ditto to skirting.	80	Lm		
	Wall Finishes				
	Plaster: 9 mm first coat of cement/lime putty/sand (1:2:9): 3 mm second coat of cement/lime putty/sand (1:1:6): steel trowelled: on masonry or concrete: to				
D	Walls: internally	225	Sm		
E	8mm thick approved ceramic wall tiles fixed with approved adhesive in acordance with manufacturer's printed instructions.	28	Sm		
	External wall finishes				
F	Extra over walling for key pointing to horizontal joints	98	Sm		
	Cement and sand (1:4) render: on concrete or masonry: steel trowel finished: to				
G	15mm thick: to walls and concrete: externally	52	Sm		
	Ceiling finishes				
H	10mm thick chipboard ceiling nailed to timber brandering (m/s)	146	Sm		
J	100 x 10mm thick chipboard moulded cornice	80	Lm		
K	Extra over celotex celling for trap door size 600 x 450mm wide comprising with and including 50 x 50mm timber framing	2	No.		
	TOTAL FOR FINISHES CARRIED TO SUMMARY				

Item	Description	Qty	Unit	Rate	Amount (Kshs.)
	ELEMENT NO. 8 PAINTING & DECORATIONS				
	Prepare surfaces and apply undercoat and two finishing coats silk vinyl emulsion paint as " Crown Paints" or other equal approved on plastered masonry or concrete surfaces: to				
A	Walls: internally	225	Sm		
	Prepare surfaces and apply undercoat and two finishing coats first grade emulsion paint as " Crown Paints" or other equal approved on plastered masonry or concrete surfaces: to				
B	Walls and concrete: externally	52	Sm		
	Prepare and apply 1 undercoat and two finishing coats 1st quality MATT emulsion paint to:-				
C	Ceiling surfaces	146	Sm		
	TOTAL FOR PAINTING AND DECORATION				

Item	Description	Qty	Unit	Rate	Amount (Kshs.)
	ELEMENT NO. 9: PLUMBING WORKS (ALL				
	Supply and fix the following coloured sanitary ware and fittings as selected and approved by the Architect / Client.				
	WC's,SINKS & WHBS				
A	"Twyford" classic white vitreous china or other approved WC complete	2	No		
B	White vitreous china recessed toilet roll holder	2	No		
C	"Twyford" or other approved wash hand basin	3	No		
D	Mirror size 600 x 750mm high with bevelled edges on plywood backing: fixed with C.P. screws with dome covers: plugged to wall	2	No		
	Shower				
E	900 x 900mm "Cobra" shower fitting: comprising 15mm stop corks with 'Carina' heads and shower rose: shower tray, floor trap and galvanized mild steel outlet grating.	2	No		
F	20mm CP Towel rail; 600mm long: with end brackets	2	No		
	Water tank				
G	Supply and fix 1800 litre PVC cold water storage tank, as 'Kentainer' or equal approved including 25mm peglar ball valve: inlet, outlet, overflow connection, hoisting and fixing at roof level, timber decking for the same.	1	No		
	Pipework				
H	Allow for plumbing and pipework for cold and hot water supply. All pipework to be class 'B' galvanised		Item		
J	Allow for installation of dobby sink at the sluice room with all necessary accessories		Item		
	TOTAL FOR PLUMBING CARRIED TO SUMMARY				

Item	*Description*	*Qty*	*Unit*	*Rate*	*Amount (Kshs.)*
	ELECTRICAL BILL OF QUANTITIES				
NOTE: These works MUST be carried out by registered electrical contractorwith NCA6 and above or licensed					
ITEM	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT**
	Supply, Install, Test and commission the following;				
1.01	4- way consumer unit as Havells Lighting points wired with 3x1.5mm^2 single core copper cables drawn in to concealed 20mmheavy gauge conduits fixed with saddle clips spaced at 600mm and all other necessary accessories as follows,	1	No		
1.02	(i)One way switching	12	No		
	(ii) Two way switshing	4	No		
1.03	10A lighting switching as powermax				
	(i)1-gang 2-way switch	4	No		
	(ii)2-gang 2-way switch	3	No		
1.04	4FT fluorescent fittings complete with tubes /bulbs as philips original and spaced at50mm below the ceiling and terminated though ceiling rose c/w 1.5 mm^2 flexible cable and all necessary accessories.	12	No		
1.05	100w bulk head glass fitting complete with energy saver bulb as phillips original	4	No		
	POWER POINTS PLATES				
1.06	Powerpoints wired using 3 X 2.5mm2 PVC single core cables as E/A cables drawn into concealed 20mm dia H/G conduits including all the necessary accerories	14	No		
1.07	13A double metallic socket outlet as crabtree/	14	No		
	TOTAL CARRIED TO COLLECTION				

Item	Description	Qty	Unit	Rate	Amount (Kshs.)
ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
2	**CABLES**				
	Sub-main cables wired with 3X10.0mm2 single core				
2.01	copper cable as E/A drawn into 32mm2 heavy gauge conduits from loop in box to consumer unit.	30	Lm		
2.02	**EARTHING TO MOW APPROVAL** Construct 300x300X300mm concrete earthing chamber with concrete removable cover.	1	No		
2.03	Earth rod(16x1500)mm long pure copper earth electrode with earthrod clamp and driving head to earthig chamber.	1	No		
2.04	10.0mm^2 single core copper cable earth lead drawn into concealed 20mm dia heavy gauge conduits from cable loop in box to earthing chamber.	4	No		
	TOTAL CARRIED SUMMERY				
	SUMMARY PAGE				**AMOUNT**
1	TOTOL CARRIED FORWARD FROM PAGE 38				
2	TOTAL CARRIED FORWARD FROM ABOVE				
	GRAND TOTAL FOR ELECTRICAL WORKS				

Item	*Description*	*Qty*	*Unit*	*Rate*	*Amount (Kshs.)*
	SUMMARY				
1	SUBSTRUCTURE				
2	WALLING				
3	SUPERSTRUCTURE CONCRETE				
4	ROOF				
5	DOORS				
6	WINDOWS				
7	FINISHES				
8	PAINTING AND DECORATION				
9	PLUMBING WORKS				
10	ELECTRICAL WORKS				
	TOTAL FOR CARRIED TO GRAND SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	BILL No. 2- Placenta pit as per drawing No. M.o.W(01) 2014				
	Earthworks:				
A	Excavate for pit and for foundation trench not exceeding 1.5m deep.	Cm	4		
B	Ditto 1.5-3.0m deep	Cm	3		
C	Ditto 3.0-4,5m deep	Cm	3		
D	Ditto 4.5-6.0m deep.	Cm	3		
E	Ditto 6.0- 7.5m deep.	Cm	3		
F	Extra over excavation for excavating in rock class "A"	Cm	3		
G	Load and cart away excavated materials from site as directed	Cm	14		
H	Return fill in and ram excavated material around foundations.	Cm	5		
J	Mass concrete 1:3:6	Cm	1		
K	150mm thick vibrated reinforced concrete 1:2:4 in cover slab	Sm	1		
L	12mm diametre square twisted bars to B.s 4461.	Kg	20		
	Sawn Formwork:				
M	Soffits of suspendend slab	Sm	1		
N	Edges of suspended cover slab girth 75_150mm	Lm	6		
P	Boxing to form openning size 450 x 300mm in 150mm thick suspended cover slab,rebated all round	No.	2		
	Total carried to collection				

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
A	150mm brick walling in cement sand mortar 1:3 with and including hoop iron after every 3 courses	Sm	6		
B	12mm thick plaster 1:3 cement sand rendering coved to wall radius	Sm	1		
C	DItto but to top and edges of suspended slab	sm	2		
D	Heavy duty pastic manhole cover and frame size 450x300mm ,including bedding frame in cement sand 1:3 and setting cover in grease	No	1		
	Total carried collection				
	Collection				
	Carried forward from page. 41				
	Carried forward from above				
	Total for Bill No.2-Placenta Pit Carried to Bills Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	PRIME COST AND PROVISIONAL SUMS				
A	Allow a Provisional Sum of Kenya Shillings Two hundred and forty Thousand for project management		Item		240,000.00
B	Allow a Provisional Sum of Kenya Shillings ninety eight hundred Thousand and twenty six shillings for Adminstration cost		Item		98,426.00
C	Allow a Provisional Sum of Kenya shillings thirty Thousand for sighnboard and branding		Item		30,000.00
D	*Allow a provisional sum of eighty thousand for transport*				80,000.00
	TOTAL FOR PC SUMS CARRIED TO SUMMARY				**448,426.00**

BILL	DESCRIPTION	KSHS	KSHS
	PROPOSED CONSTRUCTION OF MATERNITY AT KASANG'U DISPENSARY	FOR OFFICIAL USE	FOR CONTRACTOR'S USE
	GRAND SUMMARY		
1	PARTICULAR PRELIMINARIES		
2	TOTAL FOR DISPENSRY BLOCK AND 2DOOR PIT LATRINE		
3	TOTAL FOR MATERNITY BLOCK		
4	TOTAL FOR PLANCETA PIT		
5	PRIME COSTS AND PROVISIONAL SUMS		448,426.00
	GRAND TOTAL(VAT INCLUSIVE) (KSHS)		

Amount of tender in words: Kenya Shilings..... .....

.....

Tenderer's signature and stamp..... .....

Address..... .....

Date.....

Witness: Name and signature..... .....

Description..... .....

Address..... .....

Date..... .....

HEAD OF PUBLIC WORKS
KITUI CENTRE
23 JUN 2025
COUNTY GOVERNMENT OF KITUI
P.O. Box 3[illegible] KITUI