

REPUBLIC OF KENYA



**MIN. OF TRANSPORT, INFRASTRUCTURE, HOUSING & URBAN  
DEVELOPMENT**

**STATE DEPARTMENT OF PUBLIC WORKS**

PROPOSED CONSTRUCTION TO COMPLETION OF A 2 DOOR PIT LATRINE AT  
MATINDIRI CHIEF'S OFFICE

FOR

**N.G-C.D.F OLJORO-OROK CONSTITUENCY**

**Bills of Quantities**

**ARCHITECT,**

COUNTY ARCHITECT,  
DIR. OF PUBLIC WORKS,  
NYANDARUA COUNTY,  
P.O. BOX 82,  
NYAHURURU.

**QUANTITY SURVEYOR,**

COUNTY QUANTITY SURVEYOR,  
DIR. OF PUBLIC WORKS,  
NYANDARUA COUNTY,  
P.O. BOX 82,  
NYAHURURU.

**ELEC/MECH ENGINEER**

COUNTY ELEC / MECH. ENGINEER,  
DIR. OF PUBLIC WORKS,  
NYANDARUA COUNTY,  
P.O. BOX 82,  
NYAHURURU.

**STRUCTURAL ENGINEER,**

COUNTY ENGINEER - STRUCTURAL  
DIR. OF PUBLIC WORKS,  
NYANDARUA COUNTY,  
P.O. BOX 82,  
NYAHURURU.

## FORM OF TENDER

TO: \_\_\_\_\_ [Date] \_\_\_\_\_

Dear Sir,

- 1 In accordance with the Conditions of Contract, Specifications, Drawings and Bills of Quantities for the execution of the above named Works, we, the undersigned offer to construct, install and complete such Works and remedy any defects therein for the sum of Kshs. \_\_\_\_\_ [Amount in figures] Kenya Shillings \_\_\_\_\_  
\_\_\_\_\_ [Amount in words]
- 2 We undertake, if our tender is accepted, to commence the Works as soon as is reasonably possible after the receipt of the Project Manager's notice to commence, and to complete the whole of the Works comprised in the Contract within \_\_\_\_\_ Weeks
- 3 We agree to abide by this tender until **120 days from date of tender**, and it shall remain binding upon us and may be accepted at any time before end of the said days
- 4 Unless and until a formal Agreement is prepared and executed this tender together with your written acceptance thereof, shall constitute a binding Contract between us.
- 5 We understand that you are not bound to accept the lowest or any tender you may receive.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_

Signature \_\_\_\_\_ in the capacity of \_\_\_\_\_

Duly authorized to sign tenders for and on behalf of  
\_\_\_\_\_ [Name of the Tenderer]  
of \_\_\_\_\_ [Address of the tenderer]

Witness; Name \_\_\_\_\_

Address \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

## **BUILDER'S WORKS**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 1</u>				
	<u>SUBSTRUCTURES.</u>				
	<u>Site clearance</u>				
A	Clear the site off grass, shrubs and all vegetation; cart away as directed	28	sm	100	2,800.00
B	Excavate unstable (black cotton) soil average 450mm deep and cart away as directed	13	cm	350	4,410.00
	<u>Excavation</u>				
C	Excavate for strip foundation starting from reduced level not exceeding 1.50 meters deep and cart away as directed	36	cm	300	10,800.00
D	Excavate for pit from reduced level not exceeding 1.50 meters deep and cart away as directed	7	cm	300	2,100.00
E	Return, fill-in and rum selected excavated material	8	cm	250	2,000.00
F	Remove and cart away from site surplus excavated material as directed	35	cm	450	15,750.00
	<u>Diposal of water</u>				
G	Keeping all excavations free from all water including spring or running water		Item		5,000.00
	<u>Planking and strutting</u>				
H	Uphold the sides of all excavations		Item		5,000.00
	<u>Filling</u>				
I	300mm thick hardcore filling in making up levels depositing and compacting in layers of 150mm	11	sm	750	8,250.00
J	50mm thick murrum blinding to surfaces of fill	11	sm	250	2,750.00
	<i>Carried to collection</i>				58,860.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<u>Antitermite treatment</u> TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations	11	sm	200	2,200.00
B	<u>Concrete</u> 50mm thick mass concrete class Q (1:3:6) to bottoms of foundations	20	sm	300	6,000.00
D	<u>Insitu concrete; reinforced; class 20 / (20mm); vibrated</u> Foundations in trenches irrespective of thickness	1	cm	12000	12,000.00
E	Ground beams	1	cm	12000	12,000.00
F	175mm thick bed <u>Reinforcement</u> <u>Bars; high yield steel; cold worked to B.S. 4461 including bends, hooks, tying wire and distance</u>	12	sm	600	7,200.00
G	10mm bars	26	kg	100	2,600.00
H	8mm bars	35	kg	100	3,500.00
I	<u>Sawn formwork to insitu concrete as described:-</u> To sides and soffits of beams	26	sm	300	7,800.00
J	Edges of ground floor slab; 75 to 150mm wide	20	lm	70	1,400.00
L	<u>Damp proofing</u> Polythene; 500 gauge, 150mm laps (no allowance made to laps), horizontal; 1 no. layer laid on murrum blinding	11	sm	250	2,750.00
<i>Carried to collection</i>					57,450.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	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  <u>In situ finishings</u>	40	lm	150	6,000.00
B	14mm thick 2 No. coatwork cement sand (1:3) render; wood floated to concrete or blockwork base to walls; external  <u>Prepare and apply three coats black bituminous paint on:-</u>	7	sm	300	2,100.00
C	Rendered plinths, externally.  <u>Fabric; B.S. 4483</u>	7	sm	250	1,750.00
D	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	11	sm	410	4,510.00
<i>Carried to collection</i>					14,360.00
<b><u>COLLECTION</u></b>					
From page PT / 4					58,860.00
From page PT / 5					57,450.00
From above					14,360.00
<b>TOTAL FOR SUBSTRUCTURES CARRIED TO SUMMARY</b>					130,670.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 2</u>				
	<u>SUPERSTRUCTRE</u>				
	<u>RING BEAM</u>				
	<u>Insitu concrete; reinforced; class 20 / (20mm); vibrated</u>				
A	Beams	1	cm	5000	5,000.00
	<u>Reinforcement</u>				
	<u>Bars; high yield steel; cold worked to B.S. 4461 including bends, hooks, tying wire and distance blocks</u>				
B	12mm diameter bars	15	kg	140	2,100.00
C	8mm ditto	13	kg	140	1,820.00
	<u>Sawn formwork to insitu concrete as described:-</u>				
D	To sides and soffits of beams	20	sm	300	6,000.00
	<u>NATURAL STONE WALLING</u>				
E	200 mm thick approved local; chisel dressed both sides; bedding, jointing and pointing in cement sand (1:3) mortar	11	sm	400	4,400.00
F	150mm ditto	9	sm	400	3,600.00
G	250x50mm weathered and throated pre cast concrete coping stones bedded and jointed to walls in cement sand (1:3) mortar	7	lm	200	1,400.00
	<u>Labour and material</u>				
H	Raking cutting in 200mm thick natural stone walling	27	lm	50	1,350.00
I	Ditto to 150mm thick	6	lm	50	300.00
J	Extra over horizontal and vertical pointing in 10mm thick rod in cement and sand (1:3) mortar; one coat of bituminous paint.	11	sm	150	1,650.00
	<b>TOTAL FOR SUPERSTRUCTURE CARRIED TO SUMMARY</b>				<b>27,620.00</b>

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.3</u>				
	<u>ROOFING</u>				
	<u>Galvanized corrugated Sheet roofing; 28 gauge;Pre-painted</u>				
A	Roof covering not exceeding 45 <sup>0</sup> from horizontal;fixing to timber structure (m/s) with roofing nails and neoprene washers.	12	sm	600	7,200.00
	<u>CARPENTRY</u>				
	<u>The following in sawn celcured cypress</u>				
B	100 x 50mm sawn cypress rafters	11	lm	180	1,980.00
C	100 x 50mm wall plate fixed to concrete beam with 16gauge hoop iron	11	lm	180	1,980.00
D	75 x 50mm sawn cypress purlins	28	lm	185	5,180.00
	<u>Wrot cypress, prime grade</u>				
E	200 x 25mm thick fascia /barge board	14	lm	225	3,150.00
	<u>Painting and Decorations</u>				
	<u>On Woodwork</u>				
	<u>Knot prime and stop; prepare and apply one undercoat and two coats of 'CROWN SOLO' or other equal and approved super gloss oil paint to:-</u>				
F	Fascias; 200 to 300mm girth; external	14	lm	75	1,050.00
<b>TOTAL FOR ROOFING CARRIED TO SUMMARY</b>					<b>20,540.00</b>



ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 4</u>				
	<u>DOORS</u>				
	<u>Wrot celcured cypress framed frames and framings</u>				
A	100 x 50 mm; 2 No. labours; plugged door frame	20	lm	190	3,800.00
B	Ditto transome.	4	lm	190	760.00
C	40 x 35 mm moulded architrave	20	lm	80	1,600.00
D	25mm rounded quardrant	20	lm	60	1,200.00
	<u>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.</u>				
E	Door size 800 x 2100 mm high	2	No.	2500	5,000.00
	<u>Iron mongery</u>				
	<u>Supply and fix the following to UNION catalogue or other equal and approved</u>				
	<i>To softwood, hardwood or the like fixing with screws</i>				
F	150mm long stainless steel tower bolt	5	No.	250	1,250.00
G	100mm steel butt hinges	5.5	prs	250	1,375.00
H	Rubber door stop complete with 38 mm rawl bolt	5	No.	250	1,250.00
	<u>Painting and Decorations</u>				
	<u>Aluminium primer or other equal and approved wood primer before fixing: -</u>				
I	Backs of frame, board, etc over 200mm but not exceeding 300mm girth	17	lm	80	1,360.00
	<i>Carried to collection</i>				17,595.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Knot, prime &amp; stop; prepare and apply one undercoat and three coats of gloss oil paint to Crown Solo or other equal and approved to: -</u>				
A	General surfaces of timber doors; over 300mm girth	11	sm	250	2,750.00
B	Frames; over 100mm but not exceeding 200mm girth	24	lm	50	1,200.00
C	Frames not exceeding 100mm girth	40	lm	25	1,000.00
	<i>Carried to collection</i>				4,950.00
	<u>COLLECTION</u>				
	From page PT / 10				17,595.00
	From above				4,950.00
	<b>TOTAL FOR DOORS CARRIED TO SUMMARY</b>				22,545.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
------	-------------	-----	------	------	--------

## GRAND SUMMARY PAGE

