

# REPUBLIC OF KENYA



## PROPOSED CONTINUATION TO COMPLETION OF STAFF HOUSE AT KIARUTA DISPENSARY -BOGIAKUMU WARD

KISII COUNTY

KCG/WPHS/008/2016-2017

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### BILLS OF QUANTITIES

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**PREPARED BY:**  
COUNTY QUANTITY SURVEYOR  
MINISTRY OF PUBLIC WORKS  
P.O. BOX 6  
KISII

**ISSUED BY:**  
COUNTY WORKS OFFICER  
MINISTRY OF PUBLIC WORKS  
P.O. BOX 6  
KISII

*Approved*

*So*



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# KISII COUNTY GOVERNMENT



Supplied as part of the Contract for **the above works**

.The contract for the above-mentioned works entered into this ..... day of ..... 2014. by the undersigned refers to these Bills of Quantities and the Department of Public Works General Specification dated March, 1976 (together with any amendments issued thereto) shall be read and construed as part of the said contract.

.....  
**C O N T R A C T O R**

.....  
**C L I E N T**

Date: .....

Date: .....

## **SPECIAL NOTES**

The Contractor is required to check the numbers of the pages of these Bills of Quantities and should he find any missing or in duplicate or figures indistinct he must inform the County Works Office, Kisii at once and have the same rectified.

Should the Contractor be in doubt about the precise meaning of any item or figure for any reason whatsoever, he must inform the County Quantity Surveyor, Department of Public Works, Kisii in order that the correct meaning may be decided before the date for submission of tenders.

No liability will be admitted nor claim allowed in respect of errors in the Contractor's Tender due to mistakes in the Specifications which should have been rectified in the manner described above.

## **SIGNATURE PAGE AND NOTES**

## PREAMBLES AND PRICING NOTES

### A. GENERALLY

All work to be carried out in accordance with the Ministry of Roads, Public Works and Housing General Specifications for Building Works issued in 1976 or as qualified or amended.

### B. MANUFACTURERS' NAMES

Where manufacturers' names and catalogue references are given for guidance to quality and standard only, alternative manufacturer of equal quality will be accepted at the discretion of the Project Manager.

### C. WALLING

All precast concrete blocks shall be manufactured by the methods and to the sizes specified in the Ministry of Roads, Public Works and Housing "Specification for Metric Sized Concrete Blocks for Building (1972)"

Walling of 100 mm thickness or under shall be reinforced with hoop iron every alternate course.

Prices for walling must allow for all costs in preparing, packing and sending sample blocks for testing as and when required by the Project Manager.

### D. CARPENTRY

The grading rules for cypress shall be the same as for podocarpus and all timber used for structural work shall be select (second grade). All structural timber must conform to the minimum requirements for moisture content and preservative treatment and timber prices must allow for preparing, packing and sending samples for testing when required.

Prices must also include for all nails and fasteners.

### A. JOINERY

Cypress for joinery shall be second grade in accordance with the latest grading rules of the Kenya Government.

Where Mahogany is specified, this refers to prime grade only. The Contractor may with the approval of the Project Manager, use either Msharagi or Mvuli in lieu of Mahogany but such approval will be given only in the case of shortages of the hardwoods specified.

Plugging shall be carried out by drilling walling or concrete with masonry drill and filling with propriety plugs of the correct sizes. Cutting with hammer and chisel will not be allowed.

Prices for joinery must include for pencil rounded arises, protection against damage, nails, screws, framing and bedding in cement mortar as required.

Sizes given for joinery items are nominal sizes and exact dimensions of doors, etc, must be ascertained on site.

## **B. IRONMONGERY**

Ironmongery shall be as specified in the Bills of Quantities or equal and approved.

Prices must include for removing and re-fixing during and after painting, labeling all keys, and for fixing to hardwood, softwood, concrete or blockwork.

Catalogue references given for ironmongery are for purposes of indicating quality and size of item(s). Should the Contractor wish to substitute the specified item(s) with others of equal quality, he must inform the Project Manager and obtain approval in writing.

## **A. STRUCTURAL STEELWORK**

- a. All structural steelwork shall comply with the Ministry of Roads, Public Works and Housing "Structural Steelwork Specification (1973) and shall be executed by an approved Sub-contractor.

## **B. PLASTERWORK AND OTHER FINISHES**

- a. All finishings shall be as described in the general specifications and in these Bills of Quantities.
- b. Prices for pavings are to include for brushing concrete clean, wetting and coating with cement and sand grout 1:1.
- c. Rates for glazed wall tiling are to include for a 12 mm cement and sand (1:4) backing screed unless otherwise specified in these Bills of Quantities.

### C. GLAZING

- a. Where polished plate glass is specified, this refers to general glazing quality.
- b. Prices for glazing shall include for priming of rebates before placing putty.
- c. The Contractor will be responsible for replacing any broken or scratched glass and handing over in perfect condition.

### D. PAINTING

- a. All paint shall be 1<sup>st</sup> quality "Crown" or other equal and approved
- b. Painting shall be applied in accordance with the manufacturers' instructions.

Prices for painting are to include for scaffolding, preparatory work, priming coats, protection of other works and for cleaning up on completion. Prices for painting on galvanized metal are to include for morda

**FORM OF TENDER**

TO: \_\_\_\_\_[Name of Employer] \_\_\_\_\_[Date]  
\_\_\_\_\_ [Name of Contract]

Dear Sir,

1. In accordance with the Conditions of Contract, Specifications, Drawings and Bills of Quantities/Schedule of Rates 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 Employer's Representative's notice to commence, and to complete the whole of the Works comprised in the Contract within the time stated in the Appendix to Conditions of Contract.
3. We agree to abide by this tender until \_\_\_\_\_ [Insert date], and it shall remain binding upon us and may be accepted at any time before that date.
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 Tenderer] of  
\_\_\_\_\_ [Address of Tenderer]

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

Address \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

*(Amend accordingly if provided by Insurance Company)*

## FORM OF AGREEMENT

THIS AGREEMENT, made the \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_ between \_\_\_\_\_ of or whose registered office is situated at] \_\_\_\_\_ (hereinafter called “the Employer”) of the one part AND \_\_\_\_\_ of [or whose registered office is situated at] \_\_\_\_\_ (hereinafter called “the Contractor”) of the other part.

WHEREAS THE Employer is desirous that the Contractor executes

\_\_\_\_\_ (*name and identification number of Contract* ) (hereinafter called “the Works”) located at \_\_\_\_\_ [*Place/location of the Works*] and the Employer has accepted the tender submitted by the Contractor for the execution and completion of such Works and the remedying of any defects therein for the Contract Price of Kshs \_\_\_\_\_ [*Amount in figures*], Kenya Shillings \_\_\_\_\_ [*Amount in words*].

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and shall be read and construed as part of this Agreement i.e.
  - (i) Letter of Acceptance
  - (ii) Form of Tender
  - (iii) Conditions of Contract Part I
  - (iv) Conditions of Contract Part II and Appendix to Conditions of Contract
  - (v) Specifications
  - (vi) Drawings
  - (vii) Priced Bills of Quantities/Priced Schedule of Rates [whichever is applicable]
3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.



4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The common Seal of \_\_\_\_\_

Was hereunto affixed in the presence of \_\_\_\_\_

Signed Sealed, and Delivered by the said \_\_\_\_\_

Binding Signature of Employer \_\_\_\_\_

Binding Signature of Contractor \_\_\_\_\_

In the presence of (i) Name \_\_\_\_\_

Address \_\_\_\_\_

Signature \_\_\_\_\_

[ii] Name \_\_\_\_\_

Address \_\_\_\_\_

Signature \_\_\_\_\_

PROPOSED COMPLETION OF TYPICAL TWO BED-ROOMED STAFF HOUSE TO KIARUTA DISPENSARY

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 1</u>				
	<u>ROOFING AND RAIN WATER</u>				
	<u>Trusses</u>				
	<u>The following in timber trusses rising approximately 2.7m above ground level</u>				
A	100 x 50 mm rafters.	174	LM		
B	100 x 50 mm ties and struts.	146	LM		
	<u>Roofing</u>				
	Sawn cypress treated as described in trusses including templates, fillets, nailing , straps, splices and hoisting 2.70 metres above ground level and with a moisture content not exceeding 12%				
C	100 x 50 mm Wall plate.	54	LM		
D	75 X 50 mm Purlins	220	LM		
	<u>Roof covering</u>				
F	30Gauge prepainted GCI sheet roofing as IT5/BP950 Profiled Sheets 906mm wide (857mm effective cover)	146	SM		
G	Ditto; ridge cover	28	LM		
H	200x25mm wrot cypress verge board	56	LM		
	Carried to collection				

PROPOSED COMPLETION OF TYPICAL TWO BED-ROOMED STAFF HOUSE TO KIARUTA DISPENSARY

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. ICont'd</u>				
	<u>Testing</u>				
A	Allow for testing the whole of the rainwater disposal installation to the satisfaction of the Architect and for replacing any defective		ITEM		
	-				
	75mm diameter PVC heavy gauge down pipes jointed with mastic and fixed to walls with brackets to BS1091				
B	Ditto grey down pipes	9	LM		
C	200mm diameter PVC gutters	28	LM		
D	Ditto Gutter droppers	2	NO.		
E	Ditto gutter connectors	4	NO		
F	Ditto gutter clips	36	NO		
G	Ditto end covers	6	NO		
H	Ditto conner joint	2	NO		
	Total carried to collection				
	<u>COLLECTION</u>				
	Brought forward from GH/6				
	Brought forward from above				
	Total for Element No. Ito Summary				

PROPOSED COMPLETION OF TYPICAL TWO BED-ROOMED STAFF HOUSE TO KIARUTA DISPENSARY

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 2</u>				
	<u>DOORS.</u>				
	<u>External Doors</u>				
A	Double swinging double leaf steel door overall size 1050 x 2100mm high comprising of opening and closing accessories	1	NO		
B	Single swinging single leaf steel door overall size 900 x 2100mm high comprising of opening and closing accessories	1	NO		
C	40mm thick single swinging single leaf solid core flush door type D02 overall size 900 x 2100mm high comprising of leaf size 800 x 2100mm	4	NO		
	<u>The following in wrot mahogany.</u>				
D	100 X 50 mm hardwood door frame with one labour.	24	LM		
E	40 x 25 mm hardwood architrave with one labour.	24	LM		
F	25 mm quadrant.	24	LM		
	<u>Ironmongery.</u>				
	<u>Supply and fix the following to wood with matching screws.</u>				
G	Ditto; Two lever.	4	NO		
H	38 mm rubber door stop fixed with rawl	4	NO		
J	100 mm pressed steel butt hinges.	6	Prs		
	<u>Prepare and apply one coat of aluminium wood primer</u>				
K	back of wood before fixing not exceeding 100	24	LM		
L	Ditto to door surfaces	16	SM		
M	Prepare and apply to coats of polyurethane clear varnish to timber general surfaces	16	SM		
N	Ditto; not exceeding 100 mm girth.	24	LM		
	Total carried to summary page				

PROPOSED COMPLETION OF TYPICAL TWO BED-ROOMED STAFF HOUSE TO KIARUTA DISPENSARY

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 3</u>				
	<u>WINDOWS.</u>				
	<u>Metal Windows.</u>				
	<u>Supply and Fix the following purpose-made Mild Steel vertically hung casement finished with one coat red oxide primer complete with opening accessories including cutting and fixing lugs and pointing all round in cement mortar class 1:6 with vertically pivoted sashes as</u>				
A	1200 x 1200 mm high window with 2 No. openable casements.	3	NO		
B	1000 x 1200 mm high window with 2No openable casements .	1	NO		
D	600 x 600 mm high window with 1No openable casement .	2	NO		
	<u>Glazing</u>				
E	4 mm thick clear sheet glass and glazing in panes 0.1 - 1.0 SM with approved metal	6	SM		
F	4 mm thick clear sheet glass and glazing in panes 0.1 - 1.0 SM with approved metal putty.	1	SM		
G	150 x 50 x 25 mm thick concrete window cill to slope.	11	LM		
	125 x 125 x 15mm precast concrete permant vents	22	NO		
	<b>Total for Element No 3 Windows Carried</b>				

PROPOSED COMPLETION OF TYPICAL TWO BED-ROOMED STAFF HOUSE TO KIARUTA DISPENSARY

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 4</u>				
	<u>FINISHES</u>				
	<u>EXTERNAL FINISHES.</u>				
	<u>Wall Finishes</u>				
A	Horizontal keying and pointing to fired clay bricks external wall surfaces	121	SM		
	<u>Floor Finish</u>				
B	50mm thick paving slabs	32	SM		
C	50mm thick quarry dust blinding to receive paving blocks	32	SM		
	<u>Eaves Detail</u>				
D	200 x 25mm thick Fascia board	55	LM		
	Total for Element No.4 Carried to Summary				

PROPOSED COMPLETION OF TYPICAL TWO BED-ROOMED STAFF HOUSE TO KIARUTA DISPENSARY

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 8				
	<u>INTERNAL FINISHES.</u>				
	<u>Floor finishes.</u>				
A	32 mm thick cement and sand (1:4) bedding screed bedded to receive floor tiles	59	SM		
	Supply and fix 300 x 300 x 8mm thick saj ceramic tiles , fixed with the correct tile adhesive, and grouted with satin grey grout.	59	Sm		
B	Ditto but 100mm to skirting	106	LM		
	<u>Wall finishes.</u>				
	Lime plaster, 15mm thick (1:2:9)				
C	12 mm thick cement and sand plaster 1:4; steel trowelled to receive wall paint (m/s)	261	SM		
D	Supply and fix 200 x 300 x 8mm thick wall tiles fixed properly with the tile adhesive and grouted with satin grey grout	14	Sm		
	Prepare wall, and apply one undercoat and two finishing coat of silk vinyl paint from crown paints, walls must be properly sanded before applying the paint	247	sm		
	<u>Ceiling Finishes</u>				
E	12mm thick softboard ceiling on 50 x 50 sawn cypress brading at 600mm centres both ways	59	SM		
F	75 x 25mm wrot cypress cornice	106	LM		
G	Prepare ceiling, and apply one undercoat and two finishing coat of silk vinyl paint from crown paints, .	59	Sm		
	Total for Element No.5 Carried to Summary				

PROPOSED COMPLETION OF TYPICAL TWO BED-ROOMED STAFF HOUSE TO KIARUTA DISPENSARY

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<p><u>ELEMENT NO. 4:</u></p> <p><u>BUILDER'S WORKS</u></p> <p>In connection to Mechanical works</p> <p>Builder's work in connection with Electrical Work and making good for small pipe in: - [All Provisional]</p> <p>Cut for and attend in all trades on the Sub-Contractor installing the following points in a mainly concealed system, including chases, holes and recesses, notching timber, etc, and making good all finishes</p>				
A	Power distribution boards	1	No.		
B	Lighting points with associated switches	8	No.		
C	Socket outlet points	6	No.		
D	Provide a provisional sum of fifty thousand for electrical wiring and connections				
F	Provide a provisional sum of sixty thousand for mechanical works and drainage works, including two number manholes size 400 x 400 mm but not exceeding 1500mm deep				
G	Provide a sum of sixty five thousand Kshs 65,000 for kitchen work top finished with 300 x300 x 8mm thick tiles,, kitchen overhung cabinet ,wardrobes to both bedrooms	Item			
	Total for Element No.9 Carried to Summary.				



PROPOSED COMPLETION OF TYPICAL TWO BED-ROOMED STAFF HOUSE TO KIARUTA DISPENSARY

ITEM	DESCRIPTION		PAGE		AMOUNT
	<u>BILL SUMMARY</u>				
4	ROOF CONSTRUCTION				
5	DOORS				
6	WINDOWS				
7	EXTERNAL FINISHES				
8	INTERNAL FINISHES				
9	BUILDERS WORKS				
GRAND TOTAL					

PROPOSED COMPLETION OF TYPICAL TWO BED-ROOMED STAFF HOUSE TO KIARUTA DISPENSARY

ITEM	DESCRIPTION	Official use only Kshs.	Tenderer's amount Kshs.
<b><u>GRAND SUMMARY</u></b>			
1	PARTICULAR PRELIMINARIES		
2	GENERAL PRELIMINARIES		
3	BUILDERS WORK		
4	PRIME COST		
5	PROVISIONAL SUMS PS SUMS		
SUB-TOTAL			
<b>GRAND TOTAL</b>			

Amount in words : .....

.....

Tenderer`s signature and stamp.....

.....

Address .....

.....

Date : .....

Witness`s name : .....

Signature.....

Address.....

Date : .....





















ITEM	DESCRIPTION	Tenderer's Amount  Kshs.	Official Use Only  Kshs.
	GRAND SUMMARY		
1	Preliminaries General and Particular		
2	Builders work		
3	provisional sums		
	GRAND TOTAL		

Amount in words : .....

.....

Tenderer's signature and stamp.....

.....

Address .....

Date : .....

Witness's name : .....

Signature.....

Address.....

Date : .....

KISumu COUNTY GOVERNMENT  
CHIEF OFFICER  
ROADS, PUBLIC WORKS & TRANSPORT

15 FEB 2017

KISumu COUNTY GOVERNMENT  
ROADS, PUBLIC WORKS OFFICER  
Roads, Public Works & Transport  
16 FEB 2017