

REPUBLIC OF KENYA



PROPOSED CONSTRUCTION OF STAFF HOUSE TO EKERUBO HEALTH CENTRE- BOMORENDA WARD

KISII COUNTY

KCG/WPHS/006/2016-2017

BILLS OF QUANTITIES

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

for
A circular stamp with a blue border and a light blue center. It contains the text "KISII COUNTY GOVERNMENT" at the top and "COUNTY QUANTITY SURVEYOR" at the bottom. In the center, there is a red date stamp "15 FEB 2017" and a blue signature.

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

A rectangular stamp with a blue border. It contains the text "KISII COUNTY GOVERNMENT" at the top, "COUNTY WORKS OFFICER" in the middle, and "Roads, Public Works & Transport" at the bottom. A red date stamp "16 FEB 2017" is in the center, and there is a blue signature over it.

FEB : 2016

Approved
A rectangular stamp with a blue border. It contains the text "KISII COUNTY GOVERNMENT" at the top, "COUNTY WORKS OFFICER" in the middle, and "ROADS, PUBLIC WORKS & TRANSPORT" at the bottom. A red date stamp "16 FEB 2017" is in the center. Below the stamp, it says "Sign: P.O Box 4550 40200, KISII".

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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 1st 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 TYPICAL TWO BED-ROOMED STAFF HOUSE AT EKERUBO DISPENSARY PHASE I ,
BOMORENDA WARD**

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 1</u> <u>SUBSTRUCTURES</u> <u>(All provisional)</u>				
A	Clear site of all grass and small trees not exceeding 600mm girth and cart away or burn	70	SM		
B	Reduce level to remove top vegetable soil average 250mm deep and spread as directed on site.	59	SM		
C	Excavate for foundation strip footing in normal soil not exceeding 1.5m deep.	28	CM		
D	Allow for keeping excavations free from all water by pumping or otherwise.		ITEM		
E	Ditto; for plunking and strutting to sides of excavations.		ITEM		
	Disposals				
F	Return fill and ram selected excavated material around foundations.	12	CM		
G	Load, wheel and cart away from site surplus excavated material and deposit in approved	16	CM		
	Imported Filling				
H	300 mm Thick (average) approved broken quarry stone hardcore filling in two equal layers well compacted.	56	SM		
J	50 mm thick stone dust blnding to surfaces of hardcore	56	SM		
	Total to collection				

**PROPOSED TYPICAL TWO BED-ROOMED STAFF HOUSE AT EKERUBO DISPENSARY PHASE I ,
BOMORENDA WARD**

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.1 CONT'D</u>				
	<u>50 mm plain concrete (1:4:8 - class 15/20mm)</u> blinding to:				
A	Strip footing.	34	SM		
	<u>Plain concrete in:</u>				
B	150mm thick Strip footing. Ditto	34	SM		
C	Ditto 100mm thick ground floor slab	91	SM		
	<u>Damp proof membrane</u>				
D	1000 gauge polythene sheeting laid under concrete floor bed.	56	SM		
	<u>Anti-termite treatment</u>				
F	"Dragnet" or other equal and approved antitermite insecticide treatment to blinded hardcore surfaces applied in accordance with manufacturer's instructions.	56	SM		
	Carried to collection				

**PROPOSED TYPICAL TWO BED-ROOMED STAFF HOUSE AT EKERUBO DISPENSARY PHASE I ,
BOMORENDA WARD**

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 1 CONT'D</u>				
	<u>Sawn formwork to :</u>				
A	Sides of strip footing.	110	LM		
B	Edges of ground floor bed exceeding 75mm but not exceeding 150mm girth.	30	LM		
	Load bearing fired clay bricks in cement and sand mortar				
C	150 mm thick ditto	56	SM		
	<u>Bituminous Damp Proof Course bedded and jointed in cement sand mortar 1:3.</u>				
D	200 mm wide.	76	LM		
	<u>Cement and sand (1:4) rendering</u>				
E	12mm thick cement and sand render mix 1:4 to plinth surfaces.	15	SM		
F	Prepare and apply three coats of butimastic paint to rendered surfaces.	15	SM		
	Total to Collection				
	COLLECTION				
	Brought forward from page GH/ 1				
	Brought forward from page GH/ 2				
	Brought forward from above				
	Total for Element No. 1 (Substructure) carried to summary				

**PROPOSED TYPICAL TWO BED-ROOMED STAFF HOUSE AT EKERUBO DISPENSARY PHASE I ,
BOMORENDA WARD**

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.2</u>				
	<u>REINFORCED CONCRETE</u>				
	<u>Vibrated reinforced concrete (1:2:4) Class 20/20mm in :</u>				
A	Ring Beams	1	CM		
	<u>Reinforcement</u>				
	<u>High tensile square twisted bars BS 4461 as described in :</u>				
B	12mm diameter ditto in ringbeam	120	KG		
	Mild steel round bars as described in				
C	8mm ditto in ringbeam rings	80	KG		
	<u>Sawn formwork to :</u>				
D	Verticle sides of Ring Beams	20	SM		
	Total for Element No. 2 Carried to collection				

**PROPOSED TYPICAL TWO BED-ROOMED STAFF HOUSE AT EKERUBO DISPENSARY PHASE I ,
BOMORENDA WARD**

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 3</u>				
	<u>WALLING</u>				
	Fired clay bricks on the vertical and horizontally raked, dressed and rubbed in various course sizes and approved pattern and shape bedded and jointed in cement and sand mortar mix 1:4 reinforced with 25x2mm hoop iron every alternate course				
A	150 mm thick ditto external walling including	70	SM		
B	150mm thick ditto internal walling	86	SM		
	Total for Element No. 3 (Walling) to Summary				

**PROPOSED TYPICAL TWO BED-ROOMED STAFF HOUSE AT EKERUBO DISPENSARY PHASE I ,
BOMORENDA WARD**

ITEM	DESCRIPTION		PAGE		AMOUNT
	<u>BILL SUMMARY</u>				
1	SUBSTRUCTURE				
2	REINFORCED CONCRETE STRUCTURE				
3	WALLING				
GRAND TOTAL					

**PROPOSED TYPICAL TWO BED-ROOMED STAFF HOUSE AT EKERUBO DISPENSARY PHASE I ,
BOMORENDA WARD**

ITEM	DESCRIPTION	Tenderer`s Amount Kshs.	Official Use Only Kshs.
<u>GRAND SUMMARY</u>			
1	PARTICULAR PRELIMINARIES	Approx.	
2	GENERAL PRELIMINARIES	
3	BUILDERS WORK		
4	PRIME COST		
5	PROVISIONAL SUMS PS SUMS		
SUB-TOTAL			
GRAND TOTAL			

Amount in words :

.....

Tenderer`s signature and stamp.....

.....

Address

.....

Date :

Witness`s name :

Signature.....

Address.....

Date :

**PROPOSED TYPICAL TWO BED-ROOMED STAFF HOUSE AT EKERUBO DISPENSARY PHASE I ,
BOMORENDA WARD**

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**PROPOSED TYPICAL TWO BED-ROOMED STAFF HOUSE AT EKERUBO DISPENSARY PHASE I ,
BOMORENDA WARD**

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