

# REPUBLIC OF KENYA



## PROPOSED CONSTRUCTION OF MATERNITY PHASE I TO OMORAA DISPENSARY - KEGOGI WARD

KISII COUNTY

KCG/WPHS/0013/2016-2017

---

### BILLS OF QUANTITIES

---

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

*[Signature]*  
15 FEB 2017

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

KISII COUNTY GOVERNMENT  
COUNTY WORKS OFFICER  
Roads, Public Works & Transport

16 FEB 2017

*[Signature]*  
Sign: .....

FEB : 2017

Approved  
*[Signature]*  
KISII COUNTY GOVERNMENT  
COUNTY WORKS OFFICER  
Roads, Public Works & Transport  
16 FEB 2017  
Sign: .....

P.O. Box 4550 40200, KISII

## CONTENTS

### CONSISTING:

A.	Contents page	(i)
B.	Signature and special note page	(ii)
C.	Preambles and Pricing Notes	PN/1 - PN/3
D.	Form of Tender Agreement	0-2
E.	Builder's Work	BW/1 - BW/13
F.	Grand Summary	GS

# 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 PHASE 1 OF MATERNITY WING TO OMORAA DISPENSARY KEGOGI 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	108	SM		
B	Reduce level to remove top vegetable soil average 250mm deep and spread as directed on site.	108	SM		
C	Excavate for foundation strip footing in normal soil not exceeding 1.5m deep.	61	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		
	<b>Disposals</b>				
F	Return fill and ram selected excavated material around foundations.	26	CM		
G	Load, wheel and cart away from site surplus excavated material and deposit in approved	23	CM		
	<b>Imported Filling</b>				
H	300 mm Thick (average) approved broken quarry stone hardcore filling in two equal layers well compacted.	108	SM		
J	50 mm thick stone dust blinding to surfaces of hardcore	108	SM		
	<b>Total to collection page GH/3</b>				

**PROPOSED PHASE 1 OF MATERNITY WING TO OMORAA DISPENSARY KEGOGI WARD**

ITEM	DESCRIPTION	QNTY	UNIT		
	<u>ELEMENT NO.1 CONT'D</u>				
A	<u>50 mm thick plain concrete (1:4:8 - class 15/20mm)</u> <u>blinding to:</u> Strip footing.	60	SM		
B	<u>Vibrated reinforced concrete class 20 in:</u> Strip footing and ground beams	60	SM		
C	150mm thick ground floor slab	108	SM		
D	<u>Reinforcement (All Provisional)</u> Steel mesh fabric reinforcement to BS 4483				
F	Steel fabric mesh reinforcement type A142 weighing 2.22Kg/M <sup>2</sup> and to BS 4483 and with 150 mm side laps (measured net - no allowance for laps)	108	SM		
	Damp proof membrane				
	1000 gauge polythene sheeting laid under concrete floor bed.	108	SM		
	Anti-termite treatment				
	"Dragnet" or other equal and approved antitermite insecticide treatment to blinded hardcore surfaces applied in accordance with manufacturer's instructions.	108	SM		
	<u>Sawn formwork to :</u>				
	Sides of strip footing.	143	LM		
	Edges of ground floor bed exceeding 75mm but not exceeding 150mm girth.	54	LM		

**PROPOSED PHASE 1 OF MATERNITY WING TO OMORAA DISPENSARY KEGOGI WARD**

ITEM	DESCRIPTION	QNTY	UNIT		
	<u>ELEMENT NO. 1 CONT'D</u>				
	Load bearing Fired clay bricks in cement and sand mortar				
C	150 mm thick ditto	70	SM		
	<u>Bituminous Damp Proof Course bedded and jointed in cement sand mortar 1:3.</u>				
D	200 mm wide.	124	LM		
	<u>Cement and sand (1:4) rendering</u>				
E	12mm thick cement and sand render mix 1:4 to plinth surfaces.	16	SM		
F	Prepare and apply three coats of butimastic paint to rendered surfaces.	16	SM		
	<b>Total to Collection</b>				
	<b>COLLECTION</b>				
	Brought forward from page GH/ 1				
	Brought forward from page GH/ 2				
	Brought forward from above				
	<b>Total for Element No. 1 (Substructure) carried to summary</b>				

PROPOSED PHASE 1 OF MATERNITY WING TO OMORAA DISPENSARY KEGOGI WARD

ITEM	DESCRIPTION	QNTY	UNIT		
	<u>ELEMENT NO.2</u>				
	<u>REINFORCED CONCRETE</u>				
	<u>Vibrated reinforced concrete (1:2:4 ) Class 20/20mm in :</u>				
A	Ring Beams	2	CM		
	<u>Reinforcement</u>				
	<u>High tensile square twisted bars BS 4461 as described in :</u>				
B	12mm diameter ditto in ringbeam	220	KG		
	<u>Mild steel round bars as described in</u>				
C	8mm ditto in ringbeam rings	180	KG		
	<u>Sawn formwork to :</u>				
D	Verticle sides of Ring Beams	90	SM		
	<u>Total for Element No. 2 Carried to collection</u>				

PROPOSED PHASE 1 OF MATERNITY WING TO OMORAA DISPENSARY KEGOGI WARD

ITEM	DESCRIPTION	QNTY	UNIT		
	<u>ELEMENT NO. 3</u>				
	<u>WALLING</u>				
	High quality fired clay brick bedded and jointed in cement and sand mortar mix 1:4 reinforced with 25x2mm hoop iron every alternate course				
	<u>External walling</u>				
A	150 mm thick ditto external walling including gables ;	120	SM		
B	150mm thick ditto gable walling	32	SM		
	<u>Internal walling</u>				
C	150 mm thick ditto external walling including gables ;	180	SM		
	<b>Total for Element No. 3 (Walling) to Summary</b>				

PROPOSED PHASE 1 OF MATERNITY WING TO OMORAA DISPENSARY KEGOGI WARD

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

PROPOSED PHASE 1 OF MATERNITY WING TO OMORAA DISPENSARY KEGOGI WARD

ITEM	DESCRIPTION	Tenderer's Amount Kshs.	Official Use Only Kshs.
<b><u>GRAND SUMMARY</u></b>			
1	PARTICULAR PRELIMINARIES <span style="float: right;">Approx.</span>		
2	GENERAL PRELIMINARIES <span style="float: right;">.....</span>		
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  
CHIEF OFFICER  
Roads, Public Works & Transport  
16 FEB 2017