

REPUBLIC OF KENYA



PROPOSED CONTINUATION OF OPD PHASE II TO NYANSAGA HEALTH CENTRE - MARANI WARD

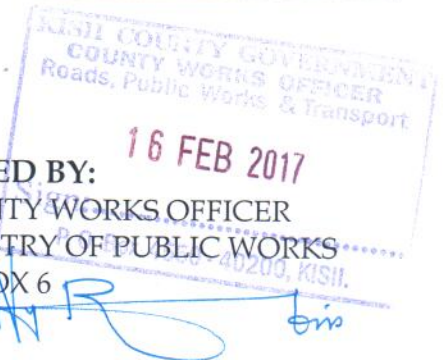
KISII COUNTY

KCG/WPHS/0012/2016-2017

BILLS OF QUANTITIES

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



FEB : 2017

Approved



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 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 _____

BILLS OF QUANTITIES FOR THE PROPOSED CONTUNUATION OF NYANSAGA OPD

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	6	CM		
	<u>Reinforcement</u>				
	<u>High tensile square twisted bars BS 4461 as described in :</u>				
B	12mm diameter ditto in ringbeam	400	KG		
	<u>Mild steel round bars as described in</u>				
C	8mm ditto in ringbeam rings	380	KG		
	<u>Sawn formwork to :</u>				
D	Verticle sides of Ring Beams	90	SM		
	<u>Total for Element No. 2 Carried to collection</u>				

BILLS OF QUANTITIES FOR THE PROPOSED CONTUNUATION OF NYANSAGA OPD

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 ;	42	SM		
B	150mm thick ditto gabble walling	60	SM		
	<u>Internal walling</u>				
C	150 mm thick ditto external walling including gables ;	40	SM		
	Total for Element No. 3 (Walling) to Summary				

BILLS OF QUANTITIES FOR THE PROPOSED CONTUNUATION OF NYANSAGA OPD

ITEM	DESCRIPTION	QNTY	UNIT		
	<u>ELEMENT NO. 4</u>				
	<u>ROOFING AND RAIN WATER DISPOSALS</u>				
	<u>Trusses</u>				
	<u>The following in timber trusses rising approximately 2.7m above ground level</u>				
A	100 x 50 mm rafters.	196	LM		
B	100 x 50 mm ties and struts.	164	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.	42	LM		
D	75 X 50 mm Purlins	272	LM		
	<u>Roof covering</u>				
F	30Gauge pre-painted iron sheet roofing as IT5/BP950 Profiled Sheets 906mm wide (857mm effective cover)	238	SM		
G	Ditto; ridge cover	18	LM		
H	200x25mm wrot cypress verge board	62	LM		
	Carried to collection				

BILLS OF QUANTITIES FOR THE PROPOSED CONTUNUATION OF NYANSAGA OPD

ITEM	DESCRIPTION	QNTY	UNIT		
	<u>ELEMENT NO. 4 Cont'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 work		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	36	LM		
D	Ditto Gutter droppers	4	NO.		
E	Ditto gutter connectors	4	NO		
F	Ditto gutter clips	28	NO		
G	Ditto end covers	4	NO		
	Total carried to collection				
	<u>COLLECTION</u>				
	Brought forward from GH/6				
	Brought forward from above				
	Total for Element No. 4 to Summary				

BILLS OF QUANTITIES FOR THE PROPOSED CONTUNUATION OF NYANSAGA OPD

ITEM	DESCRIPTION	QNTY	UNIT		
	<u>ELEMENT NO. 5</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	2	NO		
	<u>The following in wrot blue gum frames</u>				
D	100 X 50 mm hardwood door frame with one labour.	54	LM		
E	40 x 25 mm hardwood architrave with one	54	LM		
F	25 mm quadrant.	54	LM		
	<u>Prepare and apply one coat of aluminium wood primer</u>				
K	back of wood before fixing not exceeding 100 mm	54	LM		
L	Ditto to door surfaces	12	SM		
N	Ditto; not exceeding 100 mm girth.	54	LM		
	<u>Total carried to summary page</u>				

BILLS OF QUANTITIES FOR THE PROPOSED CONTUNUATION OF NYANSAGA OPD

ITEM	DESCRIPTION	QNTY	UNIT		
	<u>ELEMENT NO. 6</u> <u>WINDOWS.</u>				
	<u>Metal Windows.</u> <u>Supply and Fix the following purpose-made</u> <u>Mild Steel vertically hung casement finished</u> <u>with one coat red oxide primer complete with</u> <u>opening accessories including cutting and</u> <u>fixing lugs and pointing all round in cement</u> <u>mortar class 1:6 with vertically pivoted sashes</u> <u>as described;</u>				
A	1200 x 1200 mm high window with 2 No. openable casements.	6	NO		
B	1000 x 1200 mm high window with 2No openable casements .	4	NO		
C	1000 x 1500 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 putty.	16	SM		
G	150 x 50 x 25 mm thick concrete window cill to	15	LM		
	125 x 125 x 15mm precast concrete permant vents	48	NO		
	Total for Element No 6 Windows Carried to				

BILLS OF QUANTITIES FOR THE PROPOSED CONTUNUATION OF NYANSAGA OPD

ITEM	DESCRIPTION		PAGE		
	<u>BILL SUMMARY</u>				
1	REINFORCED CONCRETE STRUCTURE				
2	WALLING				
3	ROOF CONSTRUCTION				
4	DOORS				
	GRAND TOTAL				

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 :

KISHUWA GOVERNMENT
CHIEF OFFICER
ROADS, PUBLIC WORKS & TRANSPORT

15 FEB 2017

KISHUWA GOVERNMENT
CHIEF OFFICER
Roads, Public Works & Transport
16 FEB 2017