

REPUBLIC OF KENYA



PROPOSED FENCING, ELECTRICAL
INSTALLATIONS AND GATE
INSTALLATION TO NYAORE DISPENSARY -
BOGEKA WARD

KISII COUNTY

KCG/WPHS/0042/2016-2017

BILLS OF QUANTITIES

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

KISII COUNTY GOVERNMENT
COUNTY WORKS OFFICER
Roads, Public Works & Transport
ISSUED BY: 16 FEB 2017
COUNTY WORKS OFFICER
MINISTRY OF PUBLIC WORKS
P.O. BOX 6
KISII

KISII COUNTY GOVERNMENT
COUNTY WORKS OFFICER
ROADS, PUBLIC WORKS & TRANSPORT
FEB : 2017
Approved 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 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 CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

Item	Description	QTY	UNIT	RATE	AMOUNT
	<p>PRELIMINARIES AND CONDITIONS</p> <p><u>PRELIMINARIES PARTICULARS</u> In this contract (as hereinafter defined) the following word(s) and expressions shall have the meaning hereby assigned to them except where the content otherwise requires:-</p> <p>A <u>The “Employer”:</u> KISII COUNTY GOVERNMENT P. O. Box 4550-40200</p> <p>B <u>Architect</u> COUNTY WORKS OFFICER P.O. Box 6 - 40200 Kisii</p> <p>C <u>Quantity Surveyor</u> COUNTY QUANTITY SURVEYOR P.O. Box 6-40200 Kisii</p> <p>D</p> <p>E</p>				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

Carried to Collection					
Item	Description	QTY	UNIT	RATE	AMOUNT
A	<u>Description of site</u> The site is located at				
B	<u>Materials excavated from the site</u> These will be the property of the Employer and may be incorporated in the works with the permission of the Architect. Disposal of surplus excavated material has been measured in the Bills and should the Project Manager permit the incorporation of such materials in the works or otherwise direct as to their disposal then an adjustment will be made to the Contract sum.				
C	<u>Visiting the site</u> The Contractor is advised to visit the site to establish accessibility, in the nature of the ground and the circumstances in which the works will be executed as no claims on the grounds of want of knowledge will be entertained.				
D	<u>Working Space</u> The extent of working space available to the contractor will be the entire site boundaries as shown on the site layout plan or otherwise directed, plant, temporary buildings, spoil heaps, etc shall not be erected or placed beyond this area. The Contractor shall be solely responsible should there be any defaults in this respect.				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

Carried to Collection					
Item	Description	QTY	UNIT	RATE	AMOUNT
E	<p><u>General description of the works</u></p> <p>The works comprise the removal of existing roofing sheets, preparing columns and extending the entire tuition block by one floor. The addition classroom space will have a total plinth area of about 1040 square metres. The framework will be in class 20/20mm concrete with hollow pot suspended slab screeded and finished in terrazzo. The walling shall be in machine cut structural stone plastered and painted. Accoustic ceilings shall be in 12mm thick chip board nailed to timber brandering and furnished with timber cornices twice coved. The roof shall be in Decra stone coated roofing toles laid on steel roof trusses.</p>				
F	<p><u>Drawings</u></p> <p>The drawings used in the preparation of these Specifications are as listed in Appendices at the end hereof. The said drawings and other documents which form part of this contract are enclosed together with these Bills of Quantities.</p>				
A	<p>Form of Contract</p> <p>The Form of Contract shall be the Joint Council Form (1999 edition) issued by the Architectural Association of kenya included herein</p> <p>The Conditions of Contract are also included herein</p>				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

B	The Contractor shall find and submit on the Form of Tender an approved bank and who will be willing to be bound to the Employer, in an amount equal to of the Contract amount for the due performances of the Contract				
Carried to Collection					
Item	Description	QTY	UNIT	RATE	AMOUNT
C	<p><u>Sufficiency of Tender</u> The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his Tender for the works and of the rates and prices stated in the priced Bills of Quantities, which rates and prices shall cover all his obligations under the contract and all his obligations under the contract and all matters that are necessary for the proper completion and maintenance of the works.</p> <p><u>Stamp Charges</u> The Contractor shall allow for the payment of all stamp charges in connection with the Contract Agreement</p> <p><u>Definitions and Abbreviations</u> Terms used in these Bills of Quantities shall be interpreted as follows:- “Approved” shall mean <i>approved by the Architect.</i> “As directed” shall mean <i>as directed by the Architect.</i> “B.S.” shall mean the <i>Current British Standard Specification</i> published by the British Standards Institution, 2 PaAP Street, London, and W.I., England. “C.M.” shall mean <i>Cubic Metre</i> “S.M.” shall mean <i>Square Metre</i></p>				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	<p>“L.M.” shall mean <i>Linear Metre</i> “mm” shall mean <i>millimetre</i> “No.” shall mean <i>Number</i> “Kg.” shall mean <i>Kilogramme</i> “Do” or “Ditto” shall mean <i>the whole of the preceding description except as qualified in the description in which it occurs.</i></p>				
Carried to Collection -					
Item	Description	QTY	UNIT	RATE	AMOUNT
A	<p>“As described” shall mean <i>as described previously in a foregoing Bills, Preambles, l or in the Public Works, General Specification for Building Works 1976 Edition or any subsequent revision thereof.</i></p> <p><u>Progress Schedule</u></p> <p>The Contractor shall, upon receiving instructions to proceed with eth works, draw up a Time and Progress Schedule to which the works are to be carried out and stating the appropriate dates. This Time and Progress Schedule is to be agreed with the Architect and no deviation from the order set out in this Schedule will be permitted without the written consent of the Architect. The Main Contractor will be responsible for agreeing the above programme with all Sub-Contractors including the Nominated Sub-Contractors and Nominated Suppliers</p> <p><u>Figured Dimensions:</u></p>				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

C	<p>Figured dimensions are to be followed in preference to dimensions scaled from drawings, but whenever possible dimensions are to be taken on the site or from the buildings. Before Sub-Contractors or specialist firms commence any works, dimensions must be checked on the site and/or building and agreed with the Contractor, irrespective of the comparable dimensions shown on the drawings. The Contractor shall be responsible for the accuracy of such dimensions.</p> <p><u>Provisional Works</u></p>				
	D	All "Provisional" and other works liable to adjustment under this contract shall be left uncovered for a reasonable time to allow all measurements needed for such adjustment to be taken by the Quantity Surveyor. Immediately the works is ready for measurement the Contractor shall give notice to the Quantity Surveyor.			
Carried to Collection					
Item	Description	QTY	UNIT	RATE	AMOUNT
E	<p>If the Contractor makes default in this respect he shall, if the Architect so directs, uncover the works at his own expense to enable measurements to be taken.</p> <p><u>Lighting and Power</u></p>				
F	<p>The Contractor shall provide all artificial lighting and power for use on the works, including all temporary supply and connections, wiring, fittings, etc., and clear away on completion. The Contractor shall pay all fees and obtain all permits in connection therewith. For lighting and power for Nominated Sub-Contractors and Specialist, see Item ...</p> <p><u>Water</u></p>				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

A	<p>The Contractor shall provide at his own risk and cost all water for use in connection with the works, make arrangements with the Local Authority for the installation of a separate meter for all water used by him throughout the contract and pay all costs and fees in connection therewith. He shall also provide temporary storage tanks and tubing, etc, as he may consider necessary and clear away at completion.</p> <p>All water shall be fresh, clean and pure, free from earthly, vegetable or organic matter, acid or alkaline substance in solution or suspension.</p>				
Carried to Collection					
Item	Description	QTY	UNIT	RATE	AMOUNT
B	<p><u>Existing Services</u></p> <p>Prior to commencement of any works the Contractor is to ascertain from the relevant authorities the exact position, depth and level of existing electric cables, water pipes or other services in the area and he shall make whatever provisions may be required by the authorities concerned for the support and protection of such services. Any damage or disturbance caused to any service shall be reported immediately to the Architect and the relevant authority and shall be made good to their satisfaction at the Contractor's expense.</p>				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

C	<p>The Contractor must make himself fully acquainted with current Acts and Regulations, including Police Regulations regarding all such regulations and/or restrictions which may affect the organization of the works, supply and control of labour, etc., and allow accordingly in his tender. No claim in respect of want of knowledge in this connection will be entertained.</p> <p><u>Particular attention is drawn to the Rules published in Legal Notice 179, dated 2nd June, 1978 (Building Operations and Works of Engineering Construction)</u></p> <p><u>Security of Works, etc.</u></p>				
	D				
Carried to Collection					
Item	Description	QTY	UNIT	RATE	AMOUNT
A	<p><u>Working Hours</u></p> <p>The working hours shall be those generally works by good employers in the Building and Civil Engineering trades in Kenya. No works shall be carried out at night or on gazetted holidays unless the Contractor shall so direct.</p> <p><u>Firm Price Contract</u></p>				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

B	<p>Unless otherwise specifically stated, this is a fixed rate contract and that no claim for increased costs will be entertained except only increased costs arising from fluctuation clause as defined in Clause 34.0 of the Condition of Contract.</p> <p><u>Operation of Fluctuations Clauses</u></p> <p>The operation of the fluctuations clauses shall be generally in accordance with the practice Notes issued by the joint Building Council, except that the Tender Documents will not include the list of basic prices but only a reference thereto, and where clause numbers are quoted, they will be deemed to be the relevant clauses in the Agreement and Schedule of Contracts for Building Works applicable where quantities form part of the Contract.</p> <p><u>Materials and Workmanship</u></p> <p>All materials shall be new unless otherwise directed or permitted by the Architect and in all cases where the quality of goods or materials is not described or otherwise specified is to be the best quality obtainable in the ordinary meaning of the word “best” and not merely a trade signification of that word.</p> <p>The Contractor shall order all materials to be obtained from overseas immediately after the Contract is signed and shall also order materials to be obtained from local sources as early as necessary to ensure that such materials are on site when required for use in the works.</p>				
Carried to Collection					
Item	Description	QTY	UNIT	RATE	AMOUNT
F	The Contractor shall be responsible for and shall replace or make good at his own expense any materials lost or damaged.				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	<p>The works throughout shall be executed by skilled workmen well versed in their respective trades.</p> <p>The Bills of Quantities shall not be used for the purpose of ordering materials.</p> <p><u>Rejected Workmanship or Materials</u></p> <p>A Any workmanship or materials not complying with the specific requirements or approved samples or which have been damaged, contaminated or have deteriorated, must be immediately removed from the Site and replaced at the Contractor's expense, as required.</p> <p><u>Proprietary Materials</u></p> <p>B Where proprietary materials are specified hereinafter the Contractor may propose the use of materials of other manufacture but of equal quality for approval by the Architect.</p> <p>C All materials and goods, where specified to be obtained from a particular manufacturer or supplier, are to be used or fixed strictly in accordance with their instructions.</p> <p><u>Regulations and Standards</u></p> <p>D The Contract equipment, materials and works shall comply with the current editions or the following:-</p> <p>(a) The Kenya Bureau of Standards and Government Regulations.</p> <p>(b) British Standards and Codes of Practices, DIN Standards or equivalent.</p>				
Carried to Collection					
Item	Description	QTY	UNIT	RATE	AMOUNT

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	<p>(c) Kenya Ministry of Public Works General Specification for Building Works (1976 Edition) together with any amendments thereto, copies can be purchased from Kenya Ministry of Public Works - KBRC</p> <p>(d) Local council By-Laws</p> <p>(e) The Electricity Supply Authority By-Laws (KP&LC.)</p> <p><u>Materials and Workmanship</u></p> <p>E All materials and workmanship used in the execution of the works shall be of the best quality and description unless otherwise described.</p> <p>F The contractor shall order all materials to be from overseas immediately after the contract is signed and shall order materials to be obtained from local sources as early as necessary to ensure that they are on sit when required for use in the works. The bills of Quantities shall not be used for the purpose of ordering materials.</p> <p><u>Sign for Materials Supplied</u></p> <p>A The contractor will be required to sign a receipt for all articles and materials supplied by the Employer at the time of taking delivery thereof, as having received them in good order and condition, and will thereafter be responsible for any loss or damage and for replacements of any such loss or damage with article and /or materials which will be supplied by the Employer at current market prices including Customs Duty, all at the Contractors own cost and expense, to the satisfaction of the Architect and Employer.</p>				
Carried to Collection					

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

Item	Description	QTY	UNIT	RATE	AMOUNT
B	<p><u>Storage of Materials</u></p> <p>The contractor shall provide at his own where on the site weather pool lock-up sheds for the safe storage and custody of materials for the works and for the use of works engaged thereon and shall remove such sheds and make good damaged or disturbed surface upon completion to the satisfaction of the Architect.</p>				
C	<p>The Contractor shall also provide at his own cost lockable facilities for the sole use of nominated sub-contractors.</p>				
D	<p>No materials shall be stored or stacked on suspended slabs without the prior approval of Architect.</p>				
E	<p><u>Government Acts Regarding Workpeople, etc</u></p> <p>Allow for complying with all Government Acts, orders and Regulations in connection with employment of labour and other matters related to the execution of the works in particular the Contractors attention is drawn to the Factory Act 1950 and his tender must include for all the cost arising or resulting from compliance with any act, order or Regulation relating from compliance, pensions and Holidays for works people or to the safety, health or welfare of works people.</p>				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	Carried to Collection				
Item	Description	QTY	UNIT	RATE	AMOUNT
	<u>Government Act Regarding Works people</u>				
A	The Contractor must make himself fully acquired with current Acts and Regulations, including Police Regulations regarding the movement, housing security and control of labour camps passed for transport, etc. It is most important that the Contractor, before tendering shall obtain from relevant authority the fullest information regarding all such regulations and/or restrictions which may affect the organization of the works, supply and control of labour, and allow according in his tender. No claim in respect of want of knowledge in this connection will be entertained.				
	<u>Security of Works</u>				
B	The Contractors shall be entirely responsible for the security of all the works, stores, materials, plant personnel etc. both his own and Sub-Contractors and shall provide all necessary watching, lighting, boarding and other precautions as necessary to ensure the security and the protection of the public.				
	<u>Working Hours</u>				
C	The working hours shall be those generally worked by good employers in the Building and Civil Engineering Trades in Kenya. No work shall be covered up nor any concreting be carried out in the absence of the Clerk of Works without the prior approval of the Engineering in writing.				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	Carried to Collection				
Item	Description	QTY	UNIT	RATE	AMOUNT
	<u>Samples and Test Cubes</u>				
A	The Contractor shall furnish at his own cost any samples of materials or workmanship including concrete test cubes required for the works that may be called for by Architect for his approval or rejection and any further samples in case of rejection until such samples are approved by the Architect and other Architect may reject any materials or workmanship not in this opinion up to the approved samples. The Architect shall arrange for the testing of such material as he may at his discretion deem desirable, but the testing shall be made at the expense of the Architect not at the expense of the contractor unless the materials fail to pass the test or are in the opinion not in accordance with the specification, in either case the contractor shall pay for testing accordance with the current scales of testing charges laid down by the Ministry of Public Works.				
B	The procedure for submitting samples of materials for testing and the method of making for identification shall be as laid down by the Architect.				
	<u>Materials, Tools, Plant etc</u>				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	<u>Method of Measurement</u>				
B	Special attention is directed to the fact that “METRIC UNITS” have been used in these Bills of Quantities.				
C	However the principle of measurement adopted for these Bills of Quantities is that advocated by the Standard Method of Measurement of Building Works (SMM) for East Africa Edition metric, April, 1991 published by the Architectural Association of Kenya Chapter of Quantity Surveyors which is available for inspection at the offices of the Quantity Surveyors for all the Building and related Civil Works.				
	Carried to Collection				
Item	Description	QTY	UNIT	RATE	AMOUNT
	<p>The rates set down by the contractor against each item in these Specification of works shall, unless otherwise expressly provided to the contrary, or unless there is a separate item for extra labour, cutting or waste be held to include for waste on materials, carriage and cartage, carrying in and return of empties, hoisting, setting, fitting and fixing in position, making and all the other labour an everything else necessary for the proper completion of each items and for shall include for consequent waste.</p> <p><u>Exceptions to the Standard method or Measurement</u></p> <p>A The exceptions to the standards method of measurement are as follows: <u>(a) Clause B 19 (b) of the standard method measurement is deleted and the following clause is substituted:-</u></p>				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	<p>Attendance on nominated Sub-Contractors shall be given as an item in each case and shall be deemed to include allowing use of standing scaffolding, mass rooms, sanitary accommodation and welfare facilities; providing space for office accommodation and for storage of plant and materials, providing light and water for facilities for storage (as specified under “storage of materials”) hoisting providing water and power (as specified under “water and electricity supply for the works”) and removing and replacing duct covers casings and the like necessary for the execution and testing of sub contractors works, providing templates dimensions and supervision for the proper carrying out of the Sub-Contractors works and being responsible for the accuracy of the same.</p>				
	Carried to Collection				
Item	Description	QTY	UNIT	RATE	AMOUNT
	<p><u>b) Clause D 18 (a) and (b) of the standard method of measurement are deleted and the following is substituted:-</u> Keeping excavations free from all water including spring and running water shall be given as an item, or alternatively shall be given in the description of excavation.</p> <p><u>c) Clause D 19 of the standard method of measurement. The last sentence which reads “and shall be given as an item or shall be included in the description of excavation: shall be deleted and the following substituted; “ and shall be included in the description of all items of excavations”.</u></p> <p><u>Keep Site Clean</u></p>				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

B	Great care must be taken to keep the site free from debris and in a clean condition. <u>Provisional Sums</u> <u>Adjustment of P.C. Sums</u>				
	Carried to Collection				
Item	Description	QTY	UNIT	RATE	AMOUNT
A	The Contractor shall produce to the Architect such quotations, invoices or bills properly receipted, as may be necessary to show the actual details of the sum paid by the contractor.				
B	Items of profit upon P.C Sums shall be adjusted in final accounts prorata to the amount paid.				
C	Items of “attendance“ and “special attendance” following P.C Sums shall be adjusted prorata to the physical extent of the works executed (not pro rata to the amount paid) and this shall apply even though the contractors priced Bills show a percentage in the rate column in respect of them.				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

D	<p>Should the contractor be permitted to tender and his tender be accepted for any works for which a P.C Sums is included in these Bills of Quantities, profit and attendance will be allowed at the same rate as it would be if works were executed by a Nominated Sub-Contractor.</p> <p><u>Adjust of provisional Sums</u></p>				
	Carried to Collection	-			
Item	Description	QTY	UNIT	RATE	AMOUNT
F	<p><u>Nominated Sub-Contractors</u></p> <p>When any work is ordered by the Architect to be executed by nominated Sub-Contractors, the contractor shall enter into Sub- contracts as described in Clause 27 of the conditions of contract an shall thereafter be responsible for such sub-contractors in every respect.</p>				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

G	Unless otherwise described the contractor is to provide for such sub- contractors any or all of the facilities described in these preliminaries.				
H	The contractor should price for these with the nominated sub-contractors work concerned in the P.C Sums under the description “Add for attendance”.				
	<u>Attendance Upon Other tradesmen etc</u>				
A	The contractor shall allow for the attendance of trade upon trade upon trade and shall afford any tradesmen or other persons employed for the execution for any work not included in this contract facility for carrying out their work and also for the use of his ordinary scaffolding. The contractor, however, shall not be required to erect any special scaffolding for them.				
B	The contractor shall perform such cutting away for and making good after the work of such tradesman or persons as may be ordered by the Architect and the work will be measured and paid for to the extent at rates provided in these Bills.				
	<u>Hoarding</u>				
C	The contractor shall provide and erect a temporary hoarding, with gate, access doors and fastenings, for the proper execution of the works for the protection of the public and occupants of the adjoining premise for meeting the requirements of any local or other authority.				
	Carried to Collection	-			
Item	Description	QTY	UNIT	RATE	AMOUNT
	<u>Insurance</u>				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

D	<p>The contractor shall insure as required in Clauses 11.0, 12.0, 13.0,14.0, and 15.0 of the conditions of contract. No payment on account of the work executed will be made to the contractor until he has satisfied the Architect either by production of an Insurance Policy or an Insurance Certificate that the provisions of the foregoing Insurance clause have been complied with in all respects.</p>				
<p align="center"><u>Alterations to Specifications rates and , pricing etc</u></p>					
E	<p>Any unauthorized alteration or qualification made to the next of the Bills of quantities may cause the tender to be disqualified and will in any case be ignored.</p> <p>The contractor shall be deemed to have made allowance in his priced generally to cover any against which no price has been inserted in the schedule of rates or any item within these specifications.</p>				
F	<p>All items of measurement works shall be priced in detail and tenders containing lump sums to cover trades or groups of works must be broken down to show the price of each item before they will be accepted. Lump sums to cover any item of preliminaries shall be likewise broken if so required.</p>				
<p align="center"><u>Blasting Operations</u></p>					
A	<p>Blasting will only be allowed with the express permission of the Architect in writing.</p>				
B	<p>All blustering operations shall be carried out at the contractors sole risk and cost in accordance with any government regulations in force for the time being and any special regulations laid down by the architect governing the use and storage of explosive.</p>				
	Carried to Collection	-			

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

Item	Description	QTY	UNIT	RATE	AMOUNT
C	<p><u>Noise</u> The use of noisy mechanical equipment shall be kept to a minimum and all possible steps shall be taken to suppress or baffle the noise from such equipment. The use of portable radios on site shall be prohibited. The contractor shall deal with any complaints which may arise from occupants of nearby building by making such arrangements as may be necessary including suspending the works in whole or part and bearing all costs arising there from.</p>				
D	<p><u>Materials Arising from Excavations</u> Materials of any kind obtained from the excavations shall be the property of the Employer. Unless the Architect directs otherwise such materials shall be dealt with as provided in the Contract Such materials shall only be used in the works, on substitution of materials which the Contractor would otherwise have had to supply with the written permission of the Architect. Should such permission be given the contractor shall make due allowance for the value of the materials so used at a price to be agreed.</p>				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	Carried to Collection	-			
Item	Description	QTY	UNIT	RATE	AMOUNT
A	<p><u>Protection of the Works</u></p> <p>Provide protection for the whole of the works contained in the Bills of Quantities including casing up, covering or such other means as may be necessary to avoid damage to the satisfaction of the Architect and remove such protection when no longer required and make good any such may nevertheless have been done at completion free of cost to the Employer.</p>				
B	<p><u>Training Levy</u></p> <p>The Contractor' s attention is drawn to Legal Notice No. 237 of October 1971, which requires payment by the contractor of Training Levy on all contracts of more than Kshs. 50,000/= in value and his tender must include for all costs arising or resulting therefrom.</p> <p>Payment of Training levy shall be pegged to proof of actual payment of the amount</p>				
C	<p><u>Standard Levy</u></p> <p>The Contractor's attention is drawn to the Standards Levy Order, which was amended on 15th October 1998 vide Legal Notice 154 of 1998. The Contractor is required to pay a monthly levy of 0.2% of his ex-factory price of construction works with effect from January 1999. The tenderer shall allow for this in the build up of his rates.</p>				
D	<p><u>Removal of Rubbish, etc</u></p> <p>Removal all the rubbish and debris from the site as it accumulate and at completion of works and remove all plant, scaffolding and unused materials at completion.</p>				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	Carried to Collection	-			
Item	Description	QTY	UNIT	RATE	AMOUNT
E	<p><u>Works to be Delivered Up Clean</u> Clean and flush all gutters, rainwater and waste pipes, manholes and drains, wash (except where such treatment might cause damage) and clean all floors, sanitary, glass inside and outside, and any other parts of the works which may require it, remove all marks, blemishes, stains and defects from joinery, fittings and surfaces generally, polish door furniture and bright parts of metalwork and leave the whole of the buildings watertight clean, perfect and fit for occupation to the approval of the Architect.</p>				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	Carried to Collection	-			
Item	Description	QTY	UNIT	RATE	AMOUNT
	<u>COLLECTION</u>				
	Brought forward from Page 1	-			
	Brought forward from Page 2				
	Brought forward from Page 3				
	Brought forward from Page 4				
	Brought forward from Page 5				
	Brought forward from Page 6				
	Brought forward from Page 7				
	Brought forward from Page 8				
	Brought forward from Page 9				
	Brought forward from Page 10				
	Brought forward from Page 11				
	Brought forward from Page 12				
	Brought forward from Page 13				
	Brought forward from Page 14				
	Brought forward from Page 15	-			

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	Brought forward from Page 16				
	TOTAL FOR BILL NO. 1 – PRELIMINARIES				

PIT LATRINE

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 1</u>				
	<u>SUBSTRUCTURES</u>				
	<u>(' All provisional')</u>				
A	Clear site of all grass and cart away or burn arisings.	8	SM		
B	Excavate oversite to remove top vegetable soil average 250mm deep and spread as directed on site.	8	SM		
C	Excavate to reduce levels average 950mm deep and cart away	7.6	CM		
D	Excavate for foundation strip footing in normal soil not exceeding 1.5m deep from reduced level	12	CM		
E	Ditto; but pit starting from reduced level	12	CM		
F	Ditto; depth over 1.5m but n.e 3.0m	12	CM		
G	Ditto; depth over 3.0m but n.e 4.5m	12	CM		
H	Ditto; depth over 4.5m but n.e 6.0m	12	CM		

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

J	Ditto; depth over 6.0m but n.e 7.5m	12	CM		
K	Ditto; depth over 7.5m but n.e 9.0m	12	CM		
M	Extra over excavation of rock class 1	4	CM		
N	Return fill and ram selected excavated material around foundations.	7	CM		
P	Load, wheel and cart away from site surplus excavated material and deposit in approved dumping area.	96	CM		
Q	Allow for keeping excavations free from all water by pumping or otherwise.		ITEM		
TOTAL CARRIED TO COLLECTION					
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Ditto; for plunking and strutting to sides of excavations. <u>Concrete Works</u> 50 mm plain concrete (1:3:6 - class 15/20mm) blinding under :		Item		
B	Strip footing. Vibrated Reinforced Concrete mix (1:2:4) class 20/20mm in;	6	SM		
C	Strip footing	2.4	CM		
D	150mm thick floor bed	8	SM		
E	Steel fabric mesh reinforcement type A142 weighing not less than 2.22Kg/M ² to BS 4483 with 150 mm side laps (measured net - no allowance for laps)	8	SM		
	<u>Sawn formwork to :</u>				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

F	Sides of strip footing	4	SM		
G	Sides of column bases	3	SM		
H	Edges of ground floor bed exceeding 75mm but not exceeding 150mm wide.	12	LM		
	<u>MASONRY.</u>				
I	225 mm thick rough dressed natural stone walling;quarry dressed bedded and jointed in cement sand (1:3) mortar; reinforced with hoop iron at alternate courses	9.6	SM		
TOTAL CARRIED TO COLLECTION					
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Hessian based Bituminous Damp Proof Course bedded and jointed in cement sand mortar 1:3.</u>				
A	200 mm wide.	12	LM		
	<u>SURFACE TREATMENT</u>				
B	"Dagnet" or other equal and approved antitermite insecticide treatment to blinded hardcore surfaces applied in accordance with manufacturer's instructions.	8	SM		
C	1000 gauge polythene sheeting laid under concrete floor bed.	8	SM		
	Cement sand (1:4) screed backing:-				
D	12mm thick to plinth surfaces wood floated	4.8	SM		

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

E	Prepare and apply three coats of bitumastic paint to rendered surfaces.	4.8	SM		
	Total to Collection Below				
	<u>Collection</u>				
	Brought forward from BF/1				
	Brought forward from BF/ 2				
	Brought forward from above				
Total Element 1 to Summary					
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 02 RC SUPERSTRUCTURE</u>				
	Vibrated Reinforced Concrete mix (1:2:4) class 20/20mm in;				
A	250x150mm ring beams	1	CM		
	High Tensile square twisted bars to BS 4461 including bends, hooks and tying wire				
C	Y8 bars	100	KG		
D	Y10 bars	100	KG		
	<u>Sawn formwork to :</u>				
E	Sides of beams	6	SM		

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	Total Element 2 to Summary				
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 03 WALLING</u>				
	Natural quarry stone or equal and approved, chiseled and dressed bedded and jointed in cement and sand mortar mix 1:4 reinforced with 25x2mm hoop iron every alternate course				
A	150 mm thick;	25	SM		
B	Ditto to gable ends	6	SM		

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	Total Element 3 to Summary				
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 4 ROOFING</u>				
	Roof construction				
	All the following structural timber shall be Sawn second grade treated cypress with 9-15%M.C. The prices shall include the hoisting of all materials to roof level approx. 3000mm above ground level				
A	100 x 50 mm wall plate.	12	LM		
B	75 x 50mm purlins	16	LM		
	Trusses				
	The following in Trusses with nailed connections including templates, fillets, straps, splices and hoisting approx.3000mm above ground level				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

C	100 x 50 mm ties and struts.	6	LM		
	Other members				
D	200x 25mm ridge board	8	LM		
	Anchor bolts				
E	12mm diameter "J" bolts, 400mm long with head nut and washers cast into concrete	6	NO		
G	100x 50x2mm thick 120mm long mild steel truss fastening plate once bent and six times holed for bolt	6	NO		
	Wrot Cypress Grade 2; Pressure Impregnated,celcured,				
H	225 x 25 mm wrot cypress fascia and barge board.	12	LM		
TOTAL CARRIED TO COLLECTION					
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Roof covering</u>				
	Resincoat Box profiled Cover				
A	IT5 gauge 28 pre-painted roofing sheets including 150mm laps nailed onto timber purlins	16	SM		
B	350mm wide ridge cover ditto	6	LM		
C	Extra over roofing cover for raking cutting ditto ditto	6	LM		

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	<p align="center">Total carried to collection below</p> <p><u>Collection</u></p> <p>Brought forward from Bf/ 6</p> <p>Brought forward from above</p>				
	Total Element 4 to Summary				
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 05</u>				
	<u>DOORS.</u>				
	45 mm thick HARDWOOD T-door				
A	Size 900x2100mm high braced styled battened ditto	2	NO		
	The following in wrot hardwood.				
B	150x50mm ditto	10	LM		
C	50 x 25 mm architrave with one labour	21	LM		
D	25mm quadrant.	21	LM		
	Ironmongery.				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	Supply and fix the following Ironmongery as "Union" or other equal and approved to wood with matching screws.				
E	Welder's door handle and lock latches	4	NO		
F	100 mm stainless steel bearing butt hinges.	6	Prs		
G	Coat /hat hook	2	NO		
H	Barrel bolt	2	NO		
	Sundries				
J	10mm galvanised mild steel dowel 100mm long let into foot of frame and grouted into mortice in floor	4	NO		
K	25x1.6mm galvanised mild steel cramp 250mm girth once bent twice drilled and screwed to back of frame and other end fish tailed end built into joints of walling.	4	NO		
	Total Element 5 to Summary				
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 06</u>				
	<u>EXTERNAL FINISHES</u>				
	<u>WALL</u>				
A	Horizontal key pointing in cement sand (1:4) mortar	25	SM		
	Cement and sand (1:4) rendering				
C	15mm thick plaster to gable ends	3	SM		
D	15mm thick tyrolean render to beams	1	SM		

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	Total Element 6 to Summary				
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 07</u>				
	<u>INTERNAL FINISHES</u>				
	<u>FLOOR</u>				
	Cement and sand (1:4) screed				
A.	Ditto 40mm thick steel floated	8	SM		
B	25x 100mm high skirting	12	LM		
	<u>WALL FINISHES</u>				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	Lime plaster; 20mm thick (1:2:9)				
C	Plaster to walls	25	SM		
D	Concrete works	7	Cm		
E	Walling	87	Sm		
F	EXISTING OPD prepare the walls by rubbing down the old paint, apply two finishing coats of silk vinly soft white paint to walls as per crown paints	280	Sm		
	Total Element 7 to Summary				
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 8:</u>				
	<u>BUILDER'S WORKS</u>				
	In connection to Mechanical works				
	Builder's work in connection with plumbing and fire fighting installation				
	Chasing and making good for small pipe in: - [All Provisional]				
A	Concrete beds and slabs	6	LM		

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	In connection to Electrical Works				
	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				
B	Lighting points with associated switches	2	NO		
C	Socket outlet points	2	NO		
D	Allow for a provisional sum of 20,000for electrical wiring and accessories installations.				
	Wall filling and sanding with proper filler	85	Sm		
Total Element 8 to Summary					
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO 9</u>				
	<u>PAINTING & DECORATING</u>				
	<u>ROOF</u>				
	Prepare prime and apply one undercoat and two finishing coats of 1st quality supergloss paint to:-				
A	Timber surfaces of fascia/barge board exceeding 200mm but not exceeding 300mm girth	16	LM		

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	<u>DOORS</u>				
	Prepare and apply one undercoat and two finishing coats of gloss oil paint to:-				
B	General surfaces of doors	8.4	SM		
	Prepare and apply two undercoats stainer and two finishing coats of vanish to:-				
C	Surfaces not exceeding 100mm girth of cornices	13	LM		
	<u>INTERNAL FINISHES</u>				
	Prepare and apply one undercoat and two finishing coats of gloss oil paint to:-				
D	General plastered surfaces	30	SM		
	Prepare and apply one undercoat and two finishing coats of 1st quality silk vinyl paint to:-				
E	Internal jambs and reveals	6	LM		
	Total Element 9 to Summary				
ITEM	DESCRIPTION				AMOUNT
	<u>SUMMARY</u>				
1	Substructures				
2	RC Superstructure				
3	Walling				
4	Roof Construction, Covering & Rainwater				
5	Doors				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

6	External Finishes				
7	Internal Finishes				
8	Builder's Work				
9	Painting and Decorating				
10	Provisional sum for electical wiring				
TOTAL FOR PIT LATRINE TO GRAND SUMMARY					
ITEM	DESCRIPTION				AMOUNT
A	Provide a provisional sum of three hundred and fifty thousand for electrical supply and fitting to Nyaore dispensary including the staff house as instructed on site by the relevant engineer including testing				
B	Provide a provisional sum of one hundred and fifty to excavate a placenta pit size 1200mm diameter by 10000mm deep, including reinforced concrete to slab with 400 x 400mm steel cover				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	Provide one hundred and twenty thousand for project				
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	WATER TANK INSTALLATION				
	Brass work				
A	20mm diameter high-pressure ball valve complete with brass stem plastic float back nut and jointing to storage tank and piping	1	NO		
B	5000 litres capacity plastic tank including a masonry base construction which allows a PVC edge offset of not less than 100mm space round	1	NO		

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

C	Ditto but 1000 litres capacity installed on square tube elevation frame work (m/s)	1	NO		
D	Fabricate and elevate a 1000litres pvc tank(m/s) using 50 x 50 x 3mm square tube welded frame work, with a perforated gauge 16 black sheet flat elevated tank resting surface approx. 2.6 metre hieght including all braces to reinforce the framework and the pvc tank guard rails.	1	NO		
E	Allow a provisional sum for water connection	1	ITEM		
CARRIED TO SUMMARY TOTAL					
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUMMARY TOTAL</u>				
	SEPTIC TANK BW/3				
	SOAKAGE BW/5				
	WATER TANKS BW/6				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

	SUMMARY TOTAL				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	CHAIN LINK FENCE				
	<u>SITE CLEARANCE</u>				

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

A	Clear the site of all bushes, small trees and grub up there roots, burn the arisings	420	Lm		
B	excavate the wholes 300mm diameter 600mm deep, 15mm thick mass concrete blinding to those holes, then supply and fix concrete posts 225 x 225 x 2700mm high.at adistance of 2000 c/c	100	No	2800	
C	Fix achain link round the area.	216	SM		
TOTAL CARRIED TO SUMMARY PAGE					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	GATE				
A	Excavate base and cast reinforcement concrete gate columns size 300 x 300 x 2150 mm high chamfered with square coping size 300 x 300 mm to top of the columns. Forwork and reinforcement inclusive	2	No		

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

B	<p align="center">WALL TO GATE</p> <p>Excavate the foundation and construct a wall to both gate bellmouthed size 6000 x 2100mm high, plaster to walls</p> <p>Fabricate, deliver and install the following purpose made single swing steel gates to Arhitects detail . Primed with etch primer before delivery to site completet with, hinges, handles,catches.</p> <p>Comprising 40x40x3mm thick hollow section framing all round top, bottom and intermediate rails and stiles ends capped: 25x25x3mm thick hollow section in fills spaced at 300mm centres with top of gate lined with 20x20x50mm long decorative spikes at 300mm cetres with decorative heads, 2 No. padlock hasps welded to gate all welded ground to smooth finish. overall size 5000x2100mm in two equal leaves to approvalwith and including an penable pedestrian leave size 900x2000mm high</p>	13	Sm		
C	<p>Prepare the surface and apply one undercoat and two finishing coats of oil paint to the colour that will be approved by the client.</p>	1	No		
D	Approved gate lights	2	No		
E	Chamfered square coping size 300 x 300mm to top of columns	2	No		
F					
TOTAL CARRIED TO SUMMARY					
ITEM	Description	Official use only	Tenderers amount	Kshs.	
<u>GRAND SUMMARY</u>					

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

1	Latrine, septic tank, placenta pit and Electricity supply to the facility		
2	Fencing and gate		
3	Contingencies		
4	Project Manager's Expenses		
	Sub-total 1		
GRAND TOTAL NCLUSIVE OF V.A.T			

Amount in words :

.....

Tenderer`s signature and stamp.....

.....

Address

.....

Date.....

Witness`s name :

Signature.....

Address.....

Date :

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

PROPOSED CONSTRUCTION OF A PIT LATRINE, SEPTIC TANK, SUPPLY OF ELECTRICITY , PLACENTA PIT AND FENCING TO NYAORE DISPENSARY, BOGEKA

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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 :

15 FEB 2017
(Signature)

