

REPUBLIC OF KENYA



COUNTY GOVERNMENT OF NYANDARUA
DEPARTMENT OF ROADS, PUBLIC WORKS & TRANSPORT

PROPOSED COSTRUCTION AND COMPLETION OF TYPE DISPENSARIES &
ASSOCIATED EXTERNAL WORKS

FOR

THE MIN. OF HEALTH SERVICES - NYANDARUA COUNTY

DISPENSARY NAME - MATINDIRI DISPENSARY

Tender No. NYA/CG/DOH/OT/003/2018-2019

TENDER DOCUMENTS

ARCHITECT,

COUNTY ARCHITECT,
DIR. OF PUBLIC WORKS,
NYANDARUA COUNTY,
P.O. BOX 82,
NYAHURURU.

QUANTITY SURVEYOR,

COUNTY QUANTITY SURVEYOR,
DIR. OF PUBLIC WORKS,
NYANDARUA COUNTY,
P.O. BOX 82,
NYAHURURU.

ELEC/MECH ENGINEER

COUNTY ELEC / MECH. ENGINEER,
DIR. OF PUBLIC WORKS,
NYANDARUA COUNTY,
P.O. BOX 82,
NYAHURURU.

STRUCTURAL ENGINEER,

COUNTY ENGINEER - STRUCTURAL
DIR. OF PUBLIC WORKS,
NYANDARUA COUNTY,
P.O. BOX 82,
NYAHURURU.

SEPTEMBER, 2018



REPUBLIC OF KENYA

COUNTY GOVERNMENT OF NYANDARUA DEPARTMENT OF ROADS, PUBLIC WORKS & TRANSPORT

PROPOSED CONSTRUCTION AND COMPETION OF TYPE DISPENSARIES AND ASSOCIATED EXTERNAL WORKS FOR
THE MIN. OF HEALTH SERVICES - NYANDARUA COUNTY

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REPUBLIC OF KENYA

COUNTY GOVERNMENT OF NYANDARUA
DEPARTMENT OF ROADS, PUBLIC WORKS & TRANSPORT

PROPOSED CONSTRUCTION AND COMPETION OF TYPE DISPENSARIES AND ASSOCIATED EXTERNAL WORKS FOR
THE MIN. OF HEALTH SERVICES - NYANDARUA COUNTY

TENDER DOCUMENTS

Supplied as part of the Contract No. PROPOSED CONSTRUCTION AND COMPETION OF TYPE DISPENSARIES AND
ASSOCIATED EXTERNAL WORKS - MATINDIRI DISPENSARY

Issued by:-

The County Quantity Surveyor,
Nyandarua County
P O Box 82
NYAHURURU

The contract for the above mentioned works entered into this day of 2018 by the undersigned refers to these Bills of Quantities and the Ministry of Roads and 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

.....
THE CHIEF OFFICER - HEALTH SERVICES
NYANDARUA COUNTY

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 Officer - Directorate of Public Works, Ministry of Lands, Housing & Urban Development, Nyandarua County in Nyahururu 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 Works Officer- Directorate of Public Works, Ministry of Lands, Housing & Urban Development, Nyandarua County 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

REPUBLIC OF KENYA



STANDARD TENDER DOCUMENT

FOR

**PROPOSED CONSTRUCTION AND COMPETITION OF TYPE
DISPENSARIES AND ASSOCIATED EXTERNAL WORKS.**

FOR

**THE MIN. OF HEALTH SERVICES,
NYANDARUA COUNTY,
P.O. BOX 221 - 20303,
OL-KALOU.**

SEPTEMBER, 2018

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INTRODUCTION

- 1.1 This standard tender document for procurement of works has been prepared for use by procuring entities in Kenya in the procurement of works (i.e. Buildings and associated Civil Engineering Works).
- 1.2 The following guidelines should be observed when using the document:-
 - a) Specific details should be furnished in the Invitation to tender and in the special conditions of contract (where applicable). The tender document issued to tenderers should not have blank spaces or options.
 - b) The instructions to tenderers and the General Conditions of Contract should remain unchanged. Any necessary amendments to these parts should be made through Appendix to instructions to tenderers and special conditions of contract respectively.
- 1.3 **b)** Information contained in the invitation to tender shall conform to the data and information in the tender documents to enable prospective tenderers to decide whether or not to participate in the tender and shall indicate any important tender requirements
 - a)
 - c) The invitation to tender shall be as an advertisement in accordance with the regulations or a letter of invitation addressed to tenderers who have been prequalified following a request for prequalification.
- 1.4 The cover of the document shall be modified to include:-
 - I. Tender number.
 - II. Tender name.
 - III. Name of procuring entity.
 - IV. Delete name and address of PPOA.

SECTION I: NATIONAL INVITATION FOR TENDERS

Date

TENDER REF. NO. NYA/CG/DOH/OT/003/2018-2019

TENDER NAME - PROPOSED CONSTRUCTION AND COMPETION OF TYPE DISPENSARIES AND ASSOCIATED EXTERNAL WORKS FOR THE MIN. OF HEALTH SERVICES - NYANDARUA COUNTY

- 1.1 **DEPARTMENT OF HEALTH SERVICES- NYANDARUA COUNTY** invites sealed tenders from eligible candidates for the PROPOSED CONSTRUCTION AND COMPETION OF TYPE DISPENSARIES AND ASSOCIATED EXTERNAL WORKS FOR THE MIN. OF HEALTH SERVICES - NYANDARUA COUNTY
- 1.2 Interested eligible candidates may obtain further information from and inspect the tender documents at the offices of **The Director, Supply-Chain management Services Nyandarua County at Ol-Kalou** during normal working hours (8.00AM-4.30PM)
- 1.3 A complete set of tender documents may be obtained by interested candidates upon payment of a non-refundable fee of **KShs 1,000 (One thousand shillings only)** in cash or bankers cheque payable to **Nyandarua County Government** or be downloaded from the County Government website www.nyandaruacounty.go.ke
- 1.4 Prices quoted should be net inclusive of all taxes, must be in Kenya Shillings and shall remain valid for 120 days from the closing date of the tender.
- 1.5 Completed tender documents which must include a bid bond of not more than 2% of the tenderer's bid in Kenya shillings from a reputable Bank or Insurance company by PPOA are to be enclosed in plain sealed envelopes, marked with the tender name and reference number and be deposited in the Tender Box at **County Health offices located behind Ol-kalou J.M. Kariuki Memorial Hospital** or be addressed to **The Supply Chain Management Officer - Health Services, P.O. BOX 701-20303 OIKalou** so as to be received on or **before** _____ **20** ___ at **11.00am**
- 1.6 Tenders will be opened immediately thereafter in the presence of the candidates or their representatives who choose to attend at **the County Health Offices boardroom**

SIGNED

THE SUPPLY CHAIN MANAGEMENT DIRECTOR
NYANDARUA COUNTY

SECTION II

INSTRUCTIONS TO TENDERERS

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INSTRUCTIONS TO TENDERERS

1.0 **General/Eligibility/Qualifications/Joint venture/Cost of tendering**

- 1.1 The Employer as defined in the Appendix to Conditions of Contract invites tenders for Works Contract as described in the tender documents. The successful tenderer will be expected to complete the Works by the Intended Completion Date specified in the tender documents.
- 1.2 All tenderers shall provide the Qualification Information, a statement that the tenderer (including all members of a joint venture and subcontractors) is not associated, or has not been associated in the past, directly or indirectly, with the Consultant or any other entity that has prepared the design, specifications, and other documents for the project or being proposed as Project Manager for the Contract. A firm that has been engaged by the Employer to provide consulting services for the preparation or supervision of the Works, and any of its affiliates, shall not be eligible to tender.
- 1.3 All tenderers shall provide in the Form of Tender and Qualification Information, a preliminary description of the proposed work method and schedule, including drawings and charts, as necessary.
- 1.4 In the event that pre-qualification of potential tenderers has been undertaken, only tenders from pre-qualified tenderers will be considered for award of Contract. These qualified tenderers should submit with their tenders any information updating their original pre-qualification applications or, alternatively, confirm in their tenders that the originally submitted pre-qualification information remains essentially correct as of the date of tender submission.
- 1.5 Where no pre-qualification of potential tenderers has been done, all tenderers shall include the following information and documents with their tenders , unless otherwise stated:
 - (a) copies of original documents defining the constitution or legal status, place of registration, and principal place of business written power of attorney of the signatory of the tender to commit the tenderer:
 - (b) total monetary value of construction work performed for each of the last five years:
 - (c) experience in works of a similar nature and size for each of the last five years, and details of work under way or contractually committed; and names and addresses of clients who may be contacted for further information on these contracts;

- (d) major items of construction equipment proposed to carry out the Contract and an undertaking that they will be available for the Contract.
 - (e) qualifications and experience of key site management and technical personnel proposed for the Contract and an undertaking that they shall be available for the Contract.
 - (f) reports on the financial standing of the tenderer, such as profit and loss statements and auditor's reports for the past five years;
 - (g) evidence of adequacy of working capital for this Contract (access to line(s) of credit and availability of other financial resources);
 - (h) authority to seek references from the tenderer's bankers;
 - (i) information regarding any litigation, current or during the last five years, in which the tenderer is involved, the parties concerned and disputed amount; and
 - (j) proposals for subcontracting components of the Works amounting to more than 10 percent of the Contract Price.
- 1.6 Tenders submitted by a joint venture of two or more firms as partners shall comply with the following requirements, unless otherwise stated:
- (a) the tender shall include all the information listed in clause 1.5 above for each joint venture partner;
 - (b) the tender shall be signed so as to be legally binding on all partners;
 - (c) all partners shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms;
 - (d) one of the partners will be nominated as being in charge, authorised to incur liabilities, and receive instructions for and on behalf of all partners of the joint venture; and
 - (e) the execution of the entire Contract, including payment, shall be done exclusively with the partner in charge.
- 1.7 To qualify for award of the Contract, tenderers shall meet the following minimum qualifying criteria;
- (a) annual volume of construction work of at least 2.5 times the estimated annual

- (b) experience as main contractor in the construction of at least
 - (c) two works of a nature and complexity equivalent to the Works over the last 10 years (to comply with this requirement, works cited should be at least 70 percent complete);
 - (d) proposals for the timely acquisition (own, lease, hire, etc.) of the essential equipment listed as required for the Works;
 - (e) a Contract manager with at least five years' experience in works of an equivalent nature and volume, including no less than three years as Manager; and
 - (f) liquid assets and/or credit facilities, net of other contractual commitments and exclusive of any advance payments which may be made under the Contract, of no less than 4 months of the estimated payment flow under this Contract.
- 1.8 The figures for each of the partners of a joint venture shall be added together to determine the tenderer's compliance with the minimum qualifying criteria of clause 1.7 (a) and (e); however, for a joint venture to qualify, each of its partners must meet at least 25 percent of minimum criteria 1.7 (a), (b) and (e) for an individual tenderer, and the partner in charge at least 40 percent of those minimum criteria. Failure to comply with this requirement will result in rejection of the joint venture's tender. Subcontractors' experience and resources will not be taken into account in determining the tenderer's compliance with the qualifying criteria, unless otherwise stated.
- 1.9 Each tenderer shall submit only one tender, either individually or as a partner in a joint venture. A tenderer who submits or participates in more than one tender (other than as a subcontractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the tenderer's participation to be disqualified.
- 1.10 The tenderer shall bear all costs associated with the preparation and submission of his tender, and the Employer will in no case be responsible or liable for those costs.
- 1.11 The tenderer, at the tenderer's own responsibility and risk, is encouraged to visit and examine the Site of the Works and its surroundings, and obtain all information that may be necessary for preparing the tender and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the tenderer's own expense.

- 1.12 The procuring entity's employees, committee members, board members and their relative (spouse and children) are not eligible to participate in the tender.
- 1.13 The price to be charged for the tender document shall not exceed Kshs.5,000/=.
- 1.14 The procuring entity shall allow the tenderer to review the tender document free of charge before purchase.

2. Tender Documents

- 2.1 The complete set of tender documents comprises the documents listed below and any addenda issued in accordance with Clause 2.4.
 - (a) These Instructions to Tenderers
 - (b) Form of Tender and Qualification Information
 - (c) Conditions of Contract
 - (d) Appendix to Conditions of Contract
 - (e) Specifications
 - (f) Drawings
 - (g) Bills of Quantities
 - (h) Forms of Securities
- 2.2 The tenderer shall examine all Instructions, Forms to be filled and Specifications in the tender documents. Failure to furnish all information required by the tender documents, or submission of a tender not substantially responsive to the tendering documents in every respect will be at the tenderer's risk and may result in rejection of his tender.
- 2.3 A prospective tenderer making an inquiry relating to the tender documents may notify the Employer in writing or by cable, telex or facsimile at the address indicated in the letter of invitation to tender. The Employer will only respond to requests for clarification received earlier than seven days prior to the deadline for submission of tenders. Copies of the Employer's response will be forwarded to all persons issued with tendering documents, including a description of the inquiry, but without identifying its source.
- 2.4 Before the deadline for submission of tenders, the Employer may modify the tendering documents by issuing addenda. Any addendum thus issued shall be part of the tendering documents and shall be communicated in writing or by cable, telex or facsimile to all tenderers. Prospective tenderers shall acknowledge receipt of each addendum in writing to the Employer.

2.5 To give prospective tenderers reasonable time in which to take an addendum into account in preparing their tenders, the Employer shall extend, as necessary, the deadline for submission of tenders, in accordance with Clause 4.2 here below.

3 Preparation of Tenders

3.1 All documents relating to the tender and any correspondence shall be in English language.

3.2 The tender submitted by the tenderer shall comprise the following:

- (a) These Instructions to Tenderers, Form of Tender, C (a) Contract, Appendix to Conditions of Contract and Specifications;
- (b) Tender Security;
- (c) Priced Bill of Quantities ;
- (d) Qualification Information Form and Documents;
- (e) Alternative offers where invited; and
- (f) Any other materials required to be completed and submitted by the tenderers.

3.3 The tenderer shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items for which no rate or price is entered by the tenderer will not be paid for when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities. All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause relevant to the Contract, as of 30 days prior to the deadline for submission of tenders, shall be included in the tender price submitted by the tenderer.

3.4 The rates and prices quoted by the tenderer shall only be subject to adjustment during the performance of the Contract if provided for in the Appendix to Conditions of Contract and provisions made in the Conditions of Contract.

3.5 The unit rates and prices shall be in Kenya Shillings.

3.6 Tenders shall remain valid for a period of sixty (60) days from the date of submission. However in exceptional circumstances, the Employer may request that the tenderers extend the period of validity for a specified additional period. The request and the tenderers' responses shall be made in writing. A tenderer may refuse the request without forfeiting the Tender Security. A tenderer agreeing to the request will not be required or permitted to otherwise modify the tender, but will be required to extend the validity of Tender Security for the period of the extension, and in compliance with Clause 3.7 - 3.11 in all respects.

- 3.7 The tenderer shall furnish, as part of the tender, a Tender Security in the amount and form specified in the appendix to invitation to tenderers. This shall be in the amount not exceeding 2 percent of the tender price
- 3.8 The format of the Tender Security should be in accordance with the form of Tender Security included in Section G - Standard forms or any other form acceptable to the Employer . Tender Security shall be valid for 30 days beyond the validity of the tender.
- 3.9 Any tender not accompanied by an acceptable Tender Security shall be rejected. The Tender Security of a joint venture must define as "Tenderer" all joint venture partners and list them in the following manner: a joint venture consisting of"", ".....", and ".....".
- 3.10 The Tender Securities of unsuccessful tenderers will be returned within 28 days of the end of the tender validity period specified in Clause 3.6.
- 3.11 The Tender Security of the successful tenderer will be discharged when the tenderer has signed the Contract Agreement and furnished the required Performance Security.
- 3.12 The Tender Security may be forfeited
- (a) if the tenderer withdraws the tender after tender opening during the period of tender validity;
 - (b) if the tenderer does not accept the correction of the tender price, pursuant to Clause 5.7;
 - (c) in the case of a successful tenderer, if the tenderer fails within the specified time limit to
 - (i) sign the Agreement, or
 - (ii) furnish the required Performance Security.
- 3.13 Tenderers shall submit offers that comply with the requirements of the tendering documents, including the basic technical design as indicated in the Drawings and Specifications. Alternatives will not be considered, unless specifically allowed in the invitation to tender. If so allowed, tenderers wishing to offer technical alternatives to the requirements of the tendering documents must also submit a tender that complies with the requirements of the tendering documents, including the basic technical design as indicated in the Drawings and Specifications. In addition to submitting the basic tender, the tenderer shall provide all information necessary for a complete evaluation of the alternative, including design calculations, technical specifications, breakdown of

prices, proposed construction methods and other relevant details. Only the technical alternatives, if any, of the lowest evaluated tender conforming to the basic technical requirements shall be considered.

- 3.14 The tenderer shall prepare one original of the documents comprising the tender documents as described in Clause 3.2 of these Instructions to Tenderers, bound with the volume containing the Form of Tender, and clearly marked "ORIGINAL". In addition, the tenderer shall submit copies of the tender, in the number specified in the invitation to tender, and clearly marked as "COPIES". In the event of discrepancy between them, the original shall prevail.
- 3.15 The original and all copies of the tender shall be typed or written in indelible ink and shall be signed by a person or persons duly authorised to sign on behalf of the tenderer, pursuant to Clause 1.5 (a) or 1.6 (b), as the case may be. All pages of the tender where alterations or additions have been made shall be initialled by the person or persons signing the tender.
- 3.16 Clarification of tenders shall be requested by the tenderer to be received by the procuring entity not later than 7 days prior to the deadline for submission of tenders.
- 3.17 The procuring entity shall reply to any clarifications sought by the tenderer within 3 days of receiving the request to enable the tenderer to make timely submission of its tender.
- 3.18 The tender security shall be in the amount of 0.5 – 2 per cent of the tender price.

4 Submission of Tenders

- 4.1 The tenderer shall seal the original and all copies of the tender in two inner envelopes and one outer envelope, duly marking the inner envelopes as "**ORIGINAL**" and "**COPIES**" as appropriate. The inner and outer envelopes shall:
- (a) be addressed to the Employer at the address provided in the invitation to tender;
 - (b) bear the name and identification number of the Contract as defined in the invitation to tender; and
 - (c) Provide a warning not to open before the specified time and date for tender opening.
- 4.2 Tenders shall be delivered to the Employer at the address specified above not later than the time and date specified in the invitation to tender.

However, the Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with Sub-Clause 2.5 in which case all rights and obligations of the Employer and the tenderers previously subject to the original deadline will then be subject to the new deadline.

- 4.3 Any tender received after the deadline prescribed in clause 4.2 will be returned to the tenderer un-opened.
- 4.4 Tenderers may modify or withdraw their tenders by giving notice in writing before the deadline prescribed in clause 4.2. Each tenderer's modification or withdrawal notice shall be prepared, sealed, marked, and delivered in accordance with clause 3.13 and 4.1, with the outer and inner envelopes additionally marked "**MODIFICATION**" and "**WITHDRAWAL**", as appropriate. No tender may be modified after the deadline for submission of tenders.
- 4.5 Withdrawal of a tender between the deadline for submission of tenders and the expiration of the period of tender validity specified in the invitation to tender or as extended pursuant to Clause 3.6 may result in the forfeiture of the Tender Security pursuant to Clause 3.11.
- 4.6 Tenderers may only offer discounts to, or otherwise modify the prices of their tenders by submitting tender modifications in accordance with Clause 4.4 or be included in the original tender submission.

5 Tender Opening and Evaluation

- 5.1 The tenders will be opened by the Employer, including modifications made pursuant to Clause 4.4, in the presence of the tenderers' representatives who choose to attend at the time and in the place specified in the invitation to tender. Envelopes marked "**WITHDRAWAL**" shall be opened and read out first. Tenderers' and Employer's representatives who are present during the opening shall sign a register evidencing their attendance.
- 5.2 The tenderers' names, the tender prices, the total amount of each tender and of any alternative tender (if alternatives have been requested or permitted), any discounts, tender modifications and withdrawals, the presence or absence of Tender Security, and such other details as may be considered appropriate, will be announced by the Employer at the opening. Minutes of the tender opening, including the information disclosed to those present will be prepared by the Employer.
- 5.3 Information relating to the examination, clarification, evaluation, and comparison of tenders and recommendations for the award of Contract shall not be disclosed to tenderers or any other persons not officially

concerned with such process until the award to the successful tenderer has been announced. Any effort by a tenderer to influence the Employer's officials, processing of tenders or award decisions may result in the rejection of his tender.

- 5.4 To assist in the examination, evaluation, and comparison of tenders, the Employer at his discretion, may ask any tenderer for clarification of the tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, telex or facsimile but no change in the price or substance of the tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered in the evaluation of the tenders in accordance with Clause 5.7.
- 5.5 Prior to the detailed evaluation of tenders, the Employer will determine whether each tender (a) meets the eligibility criteria defined in Clause 1.7;(b) has been properly signed; (c) is accompanied by the required securities; and (d) is substantially responsive to the requirements of the tendering documents. A substantially responsive tender is one which conforms to all the terms, conditions and specifications of the tendering documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the works; (b) which limits in any substantial way, inconsistent with the tendering documents, the with the Employer's rights or the tenderer's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other tenderers presenting substantially responsive tenders.
- 5.6 If a tender is not substantially responsive, it will be rejected, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.
- 5.7 Tenders determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows:
 - (a) where there is a discrepancy between the amount in figures and the amount in words, the amount in words will prevail; and
 - (b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will prevail, unless in the opinion of the Employer, there is an obvious typographical error, in which case the adjustment will be made to the entry containing that error.
 - (c) In the event of a discrepancy between the tender amount as stated in the Form of Tender and the corrected tender figure in the main summary of the Bill of Quantities, the amount as stated in the Form of Tender shall prevail.

- (d) The Error Correction Factor shall be computed by expressing the difference between the tender amount and the corrected tender sum as a percentage of the corrected Builder's Work (i.e. Corrected tender sum less P.C. and Provisional Sums)
 - (e) The Error Correction Factor shall be applied to all Builder's Work (as a rebate or addition as the case may be) for the purposes of valuations for Interim Certificates and valuation of variations.
 - (f) the amount stated in the tender will be adjusted in accordance with the above procedure for the correction of errors and, with concurrence of the tenderer, shall be considered as binding upon the tenderer. If the tenderer does not accept the corrected amount, the tender may be rejected and the Tender Security may be forfeited in accordance with clause 3.11.
- 5.8 The Employer will evaluate and compare only the tenders determined to be substantially responsive in accordance with Clause 5.5.
- 5.9 In evaluating the tenders, the Employer will determine for each tender the evaluated tender price by adjusting the tender price as follows:
- (a) making any correction for errors pursuant to clause 5.7;
 - (b) excluding provisional sums and the provision, if any, for contingencies in the Bill of Quantities, but including Dayworks where priced competitively.
 - (c) making an appropriate adjustment for any other acceptable variations, deviations, or alternative offers submitted in accordance with clause 3.12; and
 - (d) making appropriate adjustments to reflect discounts or other price modifications offered in accordance with clause 4.6
- 5.10 The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the tender documents or otherwise result in unsolicited benefits for the Employer will not be taken into account in tender evaluation.
- 5.11 The tenderer shall not influence the Employer on any matter relating to his tender from the time of the tender opening to the time the Contract is awarded. Any effort by the Tenderer to influence the Employer or his employees in his decision on tender evaluation, tender comparison or Contract award may result in the rejection of the tender.

- 5.12 Firms incorporated in Kenya where indigenous Kenyans own 51% or more of the share capital shall be allowed a 10% preferential bias provided that they do not sub-contract work valued at more than 50% of the Contract Price excluding Provisional Sums to a non-indigenous sub-contractor.

6 Award of Contract

- 6.1 Subject to Clause 6.2, the award of the Contract will be made to the tenderer whose tender has been determined to be substantially responsive to the tendering documents and who has offered the lowest evaluated tender price, provided that such tenderer has been determined to be (a) eligible in accordance with the provision of Clauses 1.2, and (b) qualified in accordance with the provisions of clause 1.7 and 1.8.
- 6.2 Notwithstanding clause 6.1 above, the Employer reserves the right to accept or reject any tender, and to cancel the tendering process and reject all tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected tenderer or tenderers or any obligation to inform the affected tenderer or tenderers of the grounds for the action.
- 6.3 The tenderer whose tender has been accepted will be notified of the award prior to expiration of the tender validity period in writing or by cable, telex or facsimile. This notification (hereinafter and in all Contract documents called the "Letter of Acceptance") will state the sum (hereinafter and in all Contract documents called the "Contract Price") that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract. At the same time the other tenderers shall be informed that their tenders have not been successful.

The contract shall be formed on the parties signing the contract.

- 6.4 The Agreement will incorporate all agreements between the Employer and the successful tenderer. Within 14 days of receipt the successful tenderer will sign the Agreement and return it to the Employer.
- 6.5 Within 21 days after receipt of the Letter of Acceptance, the successful tenderer shall deliver to the Employer a Performance Security in the amount stipulated in the Appendix to Conditions of Contract and in the form stipulated in the Tender documents. The Performance Security shall be in the amount and specified form

- 6.6 Failure of the successful tenderer to comply with the requirements of clause 6.5 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Tender Security.
- 6.7 Upon the furnishing by the successful tenderer of the Performance Security, the Employer will promptly notify the other tenderers that their tenders have been unsuccessful.
- 6.8 Preference where allowed in the evaluation of tenders shall not be allowed for contracts not exceeding one year (12 months)
- 6.9 The tender evaluation committee shall evaluate the tender within 30 days of the validity period from the date of opening the tender.
- 6.1 The parties to the contract shall have it signed within 30 days from the date of notification of contract award unless there is an administrative review request.
- 6.11 Contract price variations shall not be allowed for contracts not exceeding one year (12 months)
- 6.12 Where contract price variation is allowed, the valuation shall not exceed 15% of the original contract price.
- 6.13 Price variation request shall be processed by the procuring entity within 30 days of receiving the request.
- 6.14 The procuring entity may at any time terminate procurement proceedings before contract award and shall not be liable to any person for the termination.
- 6.15 The procuring entity shall give prompt notice of the termination to the tenderers and on request give its reasons for termination within 14 days of receiving the request from any tenderer.
- 6.16 A tenderer who gives false information in the tender document about its qualification or who refuses to enter into a contract after notification of contract award shall be considered for debarment from participating in future public procurement.

7 Corrupt and Fraudulent practices

- 7.1 The procuring entity requires that tenderers observe the highest standards of ethics during procurement process and execution of contracts. A tenderer shall sign a declaration that he has not and will not be involved in corrupt and fraudulent practices.

APPENDIX TO CONDITIONS OF TENDERING

- a **CLAUSE 1.3** - This clause is deleted
- b **CLAUSE 1.7** – Substitute – “(a) Annual volume of construction work of at least 2.5 times.....” with (a) Annual volume of construction work of at least 1.0 time....”
- c **CLAUSE 3.14 and 4.1** – Only **ORIGINAL** documents shall be required, **COPIES** will not be required.
- d **CLAUSE 3.6** – Substitute – “Tenders shall remain valid for a period of sixty (60) days....” With “Tenders shall remain valid for a period of one hundred and twenty (120) days....”
- e **CLAUSE 3.7**– The amount of tender security is as per the advertisement in the national newspapers.

TENDER EVALUATION CRITERIA

After tender opening, the tenders will be evaluated as follows:

1. Determination of Responsiveness
2. Financial Evaluation

STAGE 1 - DETERMINATION OF RESPONSIVENESS

PRELIMINARY EXAMINATION

This stage of evaluation shall involve examination of the pre-qualification conditions as set out in the Tender Advertisement Notice or Letter of Invitation to Tender and any other conditions stated in the bid document.

These conditions include the following:

- i) Category of Registration with National Construction Authority in **General Building works NCA 6 and above**
- ii) Proof of works of similar magnitude and complexity in structural works.
- iii) Proof of payment for tender document
- iv) Provision of Bid Security **as per the Tender advertisement**
- v) Duly filled Form of Tender
- vi) Valid Tax Compliance Certificate
- vii) Any other conditions included in the advertisement notice/Invitation letter.

Further, tenders from the following tenderers shall be treated as non-responsive and therefore subject to automatic disqualification:

- i) A tender from a tenderer whose on-going project(s) is/are behind schedule.
- ii) A tender from a tenderer who has been served with a default notice on on-going project(s).
- iii) A tender from a tenderer with on-going projects exceeding four (4) in number.

Note:

- The employer may seek further clarification/confirmation if necessary to confirm authenticity/compliance of any condition of the tender.

The tenderers who do not satisfy any of the above requirements shall be considered Non-responsive and their tenders will not be evaluated further.

B. COMPLETENESS OF TENDER DOCUMENT

The tender document shall be examined based on clause 2.2 of the Instruction to Tenderers which states as follows:

In accordance with clause 2.2 of Instruction to Tenderers, the tenderers will be required to provide evidence for eligibility of the award of the tender by satisfying the employer of their eligibility under sub clause 2.1 of Instruction to Tenderers and adequacy of resources to effectively carry out the subject contract. The tenderers shall be required to fill the Standards Forms provided for the purposes of providing the required information. The tenderers may also attach the required information if they so desire.

The award of points for the **STANDARD FORMS** considered in this section shall be as shown below

PARAMETER	MAXIMUM POINTS
i) Statement of Compliance	5.00
ii) Tender Questionnaire	5.00
iii) Confidential Business Questionnaire	5.00
iv) Key personnel	30.00
v) Contract Completed in the last Five (5) years	5.00
vi) Schedules of on-going projects	5.00
vii) Schedules of contractors' equipment	10.00
viii) Audited Financial Report for the last 3 years	10.00
ix) Evidence of Financial Resources	10.00
x) Name, Address and Telephone of Banks (Contractor to provide)	5.00
xi) Litigation History	5.00
xii) Sanctity of the tender document as in accordance with clause 5 of instruction to tenderer	5.00
TOTAL	100.00

The detailed scoring plan shall be shown in table 1 below:-

Item	Description	Point Scored	Max. Point
i.	Statement of Compliance		
	Signed and stamped	3	
	Signed but not stamped or vice versa	2	
	Not signed nor stamped	0	5.00
ii.	Tender Questionnaire Form		
	Completely filled	5	
	Partially filled	3	
	Not filled	0	5.00

iii.	Confidential Business Questionnaire Form Completely filled 5 Partially filled 3 Not filled0		5.00
iv.	Key Personnel (Attach evidence) Director of the firm o Holder of degree or diploma in Building course.... 10 o Holder of certificate in Building course..... 5 o Holder of trade test certificate in Building course . 3 o No. relevant certificate 0		10.00
	At least 1 No. degree/diploma of key personnel in Building Course o With over 10 years relevant experience 10 o With over 5 years relevant experience 5 o With under 5 years relevant experience 1		10.00
	At least 1 No. certificate holder of key personnel in Building Course o With over 10 years relevant experience 3 o With over 5 years relevant experience 2 o With under 5 years relevant experience 1		30.00 5.00
	At least 2 No. artisan (trade test certificate in Building Course o Artisan with over 10 years relevant Experience . 5 o Artisan with under 10 years relevant experience 2 o Non skilled worker with over 10 years relevant experience 1		5.00
v.	Contract completed in the last 5 years (A max of 5 No. projects) o Project similar nature, complexity and magnitude .. 5 o Project of similar nature but of lower value than the one in consideration 3 o No completed project of similar nature 0		5.00
vi	Ongoing projects (A max of 5 No. projects) o Project similar nature, complexity and magnitude ..5 o Project of similar nature but of lower value that the one in consideration 3 o No completed project of similar nature 0		5.00
vii.	Schedules of contractors equipment and transport (proof or evidence of ownership) o Means of transport (vehicle) 5		10.00 5.00

	o No means of transport 0	
	For each specific equipment required in the installation of the work being tendered for. (Maximum No. of equipment to be considered 5	5.00
viii.	Financial Report Audited financial report (last three (3) years)	
	o Turn over greater or equal to 5 times the cost of the project10 o Turn over greater or equal to 3 times the cost of the project6 o Turn over greater or equal to the cost of the project4 o Turn over below the cost of the project 2	10.00
ix.	Evidence of Financial Resources (cash in hand, lines of credit, over draft facility, etc.) o Has financial resources equal or above the cost of the project 10 o Has financial resources below the cost of the project 5 o Has not indicated sources of financial resources..... 0	10.00
x.	Name, Address and Telephone of Banks (Contractor to provide) o Provided 5 o Not provided 0	5.00
xi.	Litigation History o Filled 5 o Not filled 0	5.00
xii.	Sanctity of the tender document o Having the document intact (not tempered with in any way) 5 o Having mutilated or modified the tender document 0	5.00
	TOTAL	100.00

Any bidder who scores 60 points and above shall be considered for further evaluation

STAGE 2 - FINANCIAL EVALUATION

The evaluation shall be in two sections:-

1. Preliminary examinations, and,
2. Tender sum Comparisons.

A) PRELIMINARY EXAMINATIONS

The preliminary examination in the Financial Evaluation shall be in accordance with Clause 6 of Instruction to Tenderers.

The parameter to be considered under this section includes the following:

- a) Arithmetic errors and comparison of rates

(1) ARITHMETIC ERRORS

As per the Public Procurement and Asset Disposal Act Clause 82; The tender sum as submitted and read out during the tender opening shall be absolute and final and shall not be subject to correction, adjustment of amendment in any way.

(2) COMPARISONS OF RATES

The evaluation committee will compare rates from different bidders and note consistency of rates and front loading. The evaluation committee will judge and make an appropriate decision giving evidence.

RECOMMENDATION

The lowest responsive bidder whose financial bid is competitive and consistent will be recommended for award.

SECTION III - CONDITIONS OF CONTRACT

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CONDITIONS OF CONTRACT

1. Definitions

1.1 In this Contract, except where context otherwise requires, the following terms shall be interpreted as indicated;

"Bill of Quantities" means the priced and completed Bill of Quantities forming part of the tender.

"Compensation Events" are those defined in Clause 24 hereunder.

"The Completion Date" means the date of completion of the Works as certified by the Project Manager, in accordance with Clause 31.

"The Contract" means the agreement entered into between the Employer and the Contractor as recorded in the Agreement Form and signed by the parties including all attachments and appendices thereto and all documents incorporated by reference therein to execute, complete, and maintain the Works.

"The Contractor" refers to the person or corporate body whose tender to carry out the Works has been accepted by the Employer.

"The Contractor's Tender" is the completed tendering document submitted by the Contractor to the Employer.

"The Contract Price" is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.

"Days" are calendar days; **"Months"** are calendar months.

"A Defect" is any part of the Works not completed in accordance with the Contract.

"The Defects Liability Certificate" is the certificate issued by Project Manager upon correction of defects by the Contractor.

"The Defects Liability Period" is the period named in the Contract Data and calculated from the Completion Date.

"Drawings" include calculations and other information provided or approved by the Project Manager for the execution of the Contract.

"Dayworks" are Work inputs subject to payment on a time basis for labour and the associated materials and plant.

“Employer”, or the **“Procuring entity”** as defined in the Public Procurement Regulations (i.e. Central or Local Government administration, Universities, Public Institutions and Corporations, etc) is the party who employs the Contractor to carry out the Works.

“Equipment” is the Contractor’s machinery and vehicles brought temporarily to the Site for the execution of the Works.

“The Intended Completion Date” is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date may be revised only by the Project Manager by issuing an extension of time or an acceleration order.

“Materials” are all supplies, including consumables, used by the Contractor for incorporation in the Works.

“Plant” is any integral part of the Works that shall have a mechanical, electrical, chemical, or biological function.

“Project Manager” is the person named in the Appendix to Conditions of Contract (or any other competent person appointed by the Employer and notified to the Contractor, to act in replacement of the Project Manager) who is responsible for supervising the execution of the Works and administering the Contract and shall be an “Architect” or a “Quantity Surveyor” registered under the Architects and Quantity Surveyors Act Cap 525 or an “Engineer” registered under Engineers Registration Act Cap 530.

“Site” is the area defined as such in the Appendix to Condition of Contract.

“Site Investigation Reports” are those reports that may be included in the tendering documents which are factual and interpretative about the surface and subsurface conditions at the Site.

“Specifications” means the Specifications of the Works included in the Contract and any modification or addition made or approved by the Project Manager.

“Start Date” is the latest date when the Contractor shall commence execution of the Works. It does not necessarily coincide with the Site possession date(s).

“A Subcontractor” is a person or corporate body who has a Contract with the Contractor to carry out a part of the Work in the Contract, which includes Work on the Site.

“Temporary works” are works designed, constructed, installed, and removed by the Contractor which are needed for construction or installation of the Works.

“A Variation” is an instruction given by the Project Manager which varies Works.

“The Works” are what the Contract requires the Contractor to construct, install, and turnover to the Employer, as defined in the Appendix to Conditions of Contract.

2. Interpretation

- 2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning in English Language unless specifically defined. The Project Manager will provide instructions clarifying queries about these Conditions of Contract.
- 2.2 If sectional completion is specified in the Appendix to Conditions of Contract, reference in the Conditions of Contract to the Works, the Completion Date and the Intended Completion Date apply to any section of the Works (other than references to the Intended Completion Date for the whole of the Works).
- 2.3 The following documents shall constitute the Contract documents and shall be interpreted in the following order of priority;
 - (1) Agreement,
 - (2) Letter of Acceptance,
 - (3) Contractor’s Tender,
 - (4) Appendix to Conditions of Contract,
 - (5) Conditions of Contract,
 - (6) Specifications,
 - (7) Drawings,
 - (8) Bill of Quantities,
 - 9) Any other documents listed in the Appendix to Conditions of Contract as forming part of the Contract.

Immediately after the execution of the Contract, the Project Manager shall furnish both the Employer and the Contractor with two copies each of all the Contract documents. Further, as and when necessary the Project Manager shall furnish the Contractor [always with a copy to the Employer] with three [3] copies of such further drawings or details or descriptive schedules as are reasonably necessary either to explain or amplify the Contract drawings or to enable the Contractor to carry out and complete the Works in accordance with these Conditions.

3 Language and Law

- 3.1 Language of the Contract and the law governing the Contract shall be English language and the Laws of Kenya respectively unless otherwise stated.

4 Project Manager's Decisions

- 4.1 Except where otherwise specifically stated, the Project Manager will decide contractual matters between the Employer and the Contractor in the role representing the Employer.

5 Delegation

- 5.1 The Project Manager may delegate any of his duties and responsibilities to others after notifying the Contractor.

6 Communications

- 6.1 Communication between parties shall be effective only when in writing. A notice shall be effective only when it is delivered.

7 Subcontracting

- 7.1 The Contractor may subcontract with the approval of the Project Manager, but may not assign the Contract without the approval of the Employer in writing. Subcontracting shall not alter the Contractor's obligations.

8 Other Contractors

- 8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities etc. as listed in the Appendix to Conditions of Contract and also with the Employer, as per the directions of the Project Manager. The Contractor shall also provide facilities and services for them. The Employer may modify the said List of Other Contractors etc., and shall notify the Contractor of any such modification.

9 Personnel

- 9.1 The Contractor shall employ the key personnel named in the Qualification Information, to carry out the functions stated in the said Information or other personnel approved by the Project Manager. The Project Manager will approve any proposed replacement of key personnel only if their relevant qualifications and abilities are substantially equal to or better than those of the personnel listed in the Qualification Information. If the Project Manager asks the Contractor to remove a person who is a member of the Contractor's staff or work force, stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the Work in the Contract.

10 Works

- 10.1 The Contractor shall construct and install the Works in accordance with the Specifications and Drawings. The Works may commence on the Start Date and shall be carried out in accordance with the Program submitted by the Contractor, as updated with the approval of the Project Manager, and complete them by the Intended Completion Date.

11 Safety and Temporary Works

- 11.1 The Contractor shall be responsible for the design of temporary works. However before erecting the same, he shall submit his designs including Date and shall be carried out in accordance with the Program submitted by the Contractor, as updated with the approval of the Project Manager, and complete them by the Intended Completion Date.
- 11.2 The Project Manager's approval shall not alter the Contractor's responsibility for design of the Temporary works and all drawings prepared by the Contractor for the execution of the temporary or permanent Works, shall be subject to prior approval by the Project Manager before they can be used.
- 11.3 The Contractor shall be responsible for the safety of all activities on the Site.

12 Discoveries

- 12.1 Anything of historical or other interest or of significant value unexpectedly discovered on Site shall be the property of the Employer. The Contractor shall notify the Project Manager of such discoveries and carry out the Project Manager's instructions for dealing with them.

13 Work Program

- 13.1 Within the time stated in the Appendix to Conditions of Contract, the Contractor shall submit to the Project Manager for approval a program showing the general methods, arrangements, order, and timing for all the activities in the Works. An update of the program shall be a program showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining Work, including any changes to the sequence of the activities.

The Contractor shall submit to the Project Manager for approval an Appendix to Conditions of Contract. If the Contractor does not submit an updated program within this period, the Project Manager may certificate and continue to withhold this amount until the next payment after the date on which the overdue program has been submitted. The Project Manager's approval of the program shall not alter the Contractor's obligations. The Contractor may revise the program and submit it to the Project Manager again at any time. A revised program shall show the effect of Variations and Compensation Events.

14. Possession of Site

- 14.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Appendix to Conditions of Contract, the Employer will be deemed to have delayed the start of the relevant activities, and this will be a Compensation Event.

15. Access to Site

- 15.1 The Contractor shall allow the Project Manager and any other person authorised by the Project Manager, access to the Site and to any place where work in connection with the Contract is being carried out or is intended to be carried out.

16 Instructions

- 16.1 The Contractor shall carry out all instructions of the Project Manager which are in accordance with the Contract.

17. Extension or Acceleration of Completion Date

- 17.1 The Project Manager shall extend the Intended Completion Date if a Compensation Event occurs or a variation is issued which makes it impossible for completion to be achieved by the Intended Completion Date without the Contractor taking steps to accelerate the remaining Work, which would cause the Contractor to incur additional cost. The Project Manager shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Project Manager in writing for a decision upon the effect of a Compensation Event or variation and submitting full supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay caused by such failure shall not be considered in assessing the new (extended) Completion Date.
- 17.2 No bonus for early completion of the Works shall be paid to the Contractor by the Employer.

18 Management Meetings

- 18.1 A Contract management meeting shall be held monthly and attended by the Project Manager and the Contractor. Its business shall be to review the plans for the remaining Work and to deal with matters raised in accordance with the early warning procedure. The Project Manager shall record the minutes of management meetings and provide copies of the same to those attending the meeting and the Employer. The responsibility of the parties for actions to be taken shall be decided by the Project Manager either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.

19 Early Warning

- 19.1 The Contractor shall warn the Project Manager at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the Work, increase the Contract Price or delay the execution of the Works. The Project Manager may require the Contractor to provide an estimate of the expected effect of the future event or circumstance on the Contract Price and Completion Date. The estimate shall be provided by the Contractor as soon as reasonably possible.
- 19.2 The Contractor shall cooperate with the Project Manager in making and considering proposals on how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the Work and in

20 Defects

- 20.1 The Project Manager shall inspect the Contractor's work and notify the Contractor of any defects that are found. Such inspection shall not affect the Contractor's responsibilities. The Project Manager may instruct the Contractor to search for a defect and to uncover and test any Work that the Project Manager considers may have a defect. Should the defect be found, the cost of uncovering and making good shall be born by the Contractor, However, if there is no defect found, the cost of uncovering and making good shall be treated as a variation and added to the Contract Price.
- 20.2 The Project Manager shall give notice to the Contractor of any defects before the end of the Defects Liability Period, which begins at Completion, and is defined in the Appendix to Conditions of Contract. The Defects Liability Period shall be extended for as long as defects remain to be corrected.
- 20.3 Every time notice of a defect is given, the Contractor shall correct the notified defect within the length of time specified by the Project Manager's notice. If the Contractor has not corrected a defect within the time specified in the Project Manager's notice, the Project Manager will assess the cost of having the defect corrected by other parties and such cost shall be treated as a variation and be deducted from the Contract Price.

21 Bills of Quantities

- 21.1 The Bills of Quantities shall contain items for the construction, installation, testing and commissioning of the Work to be done by the Contractor. The Contractor will be paid for the quantity of the Work done at the rate in the Bills of Quantities for each item.
- 21.2 If the final quantity of the Work done differs from the quantity in the Bills of Quantities for the particular item by more than 25 percent and provided the change exceeds 1 percent of the Initial Contract price, the Project Manager shall adjust the rate to allow for the change.
- 21.3 If requested by the Project Manager, the Contractor shall provide the Project Manager with a detailed cost breakdown of any rate in the Bills of Quantities.

22 Variations

- 22.1 All variations shall be included in updated programs produced by the Contractor.

- 22.2 The Contractor shall provide the Project Manager with a quotation for carrying out the variations when requested to do so. The Project Manager shall assess the quotation, which shall be given within seven days of the request or within any longer period as may be stated by the Project Manager and before the Variation is ordered.
- 22.3 If the work in the variation corresponds with an item description in the Bills of Quantities and if in the opinion of the Project Manager, the quantity of work is not above the limit stated in Clause 21.2 or the timing of its execution does not cause the cost per unit of quantity to change, the rate in the Bills of Quantities shall be used to calculate the value of the variation. If the cost per unit of quantity changes, or if the nature or timing of the work in the variation does not correspond with items in the Bills of Quantities, the quotation by the Contractor shall be in the form of new rates for the relevant items of Work.
- 22.4 If the Contractor's quotation is unreasonable, the Project Manager may order the variation and make a change to the Contract price, which shall be based on the Project Manager's own forecast of the effects of the variation on the Contractor's costs.
- 22.5 If the Project Manager decides that the urgency of varying the Work would prevent a quotation being given and considered without delaying the Work, no quotation shall be given and the variation shall be treated as a Compensation Event.
- 22.6 The Contractor shall not be entitled to additional payment for costs that could have been avoided by giving early warning.
- 22.7 When the Program is updated, the Contractor shall provide the Project Manager with an updated cash flow forecast.

23. Payment Certificates, Currency of Payments and Advance Payments

- 23.1 The Contractor shall submit to the Project Manager monthly applications for payment giving sufficient details of the Work done and materials on Site and the amounts which the Contractor considers himself to be entitled to. The Project Manager shall check the monthly application and certify the amount to be paid to the Contractor within 14 days. The value of Work executed and payable shall be determined by the Project Manager.
- 23.2 The value of Work executed shall comprise the value of the quantities of the items in the Bills of Quantities completed, materials delivered on Site, variations and compensation events. Such materials shall become the property of the Employer once the Employer has paid the Contractor for their value. Thereafter, they shall not be removed from Site without the Project Manager's instructions except for use upon the Works.

- 23.3 Payments shall be adjusted for deductions for retention. The Employer shall pay the Contractor the amounts certified by the Project Manager within 30 days of the date of issue of each certificate. If the Employer makes a late payment, the Contractor shall be paid simple interest on the late payment in the next payment. Interest shall be calculated on the basis of number of days delayed at a rate three percentage points above the Central Bank of Kenya's average rate for base lending prevailing as of the first day the payment becomes overdue.
- 23.4 If an amount certified is increased in a later certificate or as a result of an award by an Arbitrator, the Contractor shall be paid interest upon the delayed payment as set out in this clause. Interest shall be calculated from the date upon which the increased amount would have been certified in the absence of dispute.
- 23.5 Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.
- 23.6 The Contract Price shall be stated in Kenya Shillings. All payments to the Contractor shall be made in Kenya Shillings and foreign currency in the proportion indicated in the tender, or agreed prior to the execution of the Contract Agreement and indicated therein. The rate of exchange for the calculation of the amount of foreign currency payment shall be the rate of exchange indicated in the Appendix to Conditions of Contract. If the Contractor indicated foreign currencies for payment other than the currencies of the countries of origin of related goods and services the Employer reserves the right to pay the equivalent at the time of payment in the currencies of the countries of such goods and services. The Employer and the Project Manager shall be notified promptly by the Contractor of any changes in the expected foreign currency requirements of the Contractor during the execution of the Works as indicated in the Schedule of Foreign Currency Requirements and the foreign and local currency portions of the balance of the Contract Price shall then be amended by agreement between Employer and the Contractor in order to reflect appropriately such changes.
- 23.7 In the event that an advance payment is granted, the following shall apply:-
- a) On signature of the Contract, the Contractor shall at his request, and without furnishing proof of expenditure, be entitled to an advance of 10% (ten percent) of the original amount of the Contract. The advance shall not be subject to retention money.

- b) No advance payment may be made before the Contractor has submitted proof of the establishment of deposit or a directly liable guarantee satisfactory to the Employer in the amount of the advance payment. The guarantee shall be in the same currency as the advance.
- c) Reimbursement of the lump sum advance shall be made by deductions from the Interim payments and where applicable from the balance owing to the Contractor. Reimbursement shall begin the balance owing to the due under the Contract reaches 20% of the original amount of the Contract. It shall have been completed by the time 80% of this amount is reached.

The amount to be repaid by way of successive deductions shall be calculated by means of the formula:

$$R = A(x^1 - x^{11})$$

80 - 20

Where

R = the amount to be reimbursed

A = the amount of the advance which has been granted

X¹ = the amount of proposed cumulative payments as a percentage of the original amount of the Contract. This figure will exceed 20% but not exceed 80%.

X¹¹ = the amount of the previous cumulative payments as a percentage of the original amount of the Contract. This figure will be below 80% but not less than 20%.

- d) With each reimbursement the counterpart of the directly liable guarantee may be reduced accordingly.

24 Compensation Events

24.1 The following issues shall constitute Compensation Events:

- a) The Employer does not give access to a part of the Site by the Site Possession Date stated in the Appendix to Conditions of Contract.
- b) The Employer modifies the List of Other Contractors, etc., in a way that affects the Work of the Contractor under the Contract.
- c) The Project Manager orders a delay or does not issue drawings, specifications or instructions required for execution of the Works on time.

- d) The Project Manager instructs the Contractor to uncover or to carry out additional tests upon the Work, which is then found to have no defects.
- e) The Project Manager unreasonably does not approve a subcontract to be let.
- f) Ground conditions are substantially more adverse than could reasonably have been assumed before issuance of the Letter of Acceptance from the information issued to tenderers (including the Site investigation reports), from information available publicly and from a visual inspection of the Site.
- g) The Project Manager gives an instruction for dealing with an unforeseen condition, caused by the Employer or additional work required for safety or other reasons.
- h) Other contractors, public authorities, utilities, or the Employer does not work within the dates and other constraints stated in the Contract, and they cause delay or extra cost to the Contractor.
- i) The effects on the Contractor of any of the Employer's risks.
- j) The Project Manager unreasonably delays issuing a Certificate of Completion.
- k) Other compensation events described in the Contract or determined by the Project Manager shall apply.

24.2 If a compensation event would cause additional cost or would prevent the Work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date shall be extended. The Project Manager shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.

24.3 As soon as information demonstrating the effect of each compensation event upon the Contractor's forecast cost has been provided by the Contractor, it shall be assessed by the Project Manager, and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Project Manager shall adjust the Contract Price based on the Project Manager's own forecast. The Project Manager will assume that the Contractor will react competently and promptly to the event.

- 24.4 The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor not having given early warning or not having co-operated with the Project Manager.
- 24.5 Prices shall be adjusted for fluctuations in the cost of inputs only if provided for in the Appendix to Conditions of Contract.
- 24.6 The Contractor shall give written notice to the Project Manager of his intention to make a claim within thirty days after the event giving rise to the claim has first arisen. The claim shall be submitted within thirty days thereafter.

Provided always that should the event giving rise to the claim of continuing effect, the Contractor shall submit an interim claim within the said thirty days and a final claim within thirty days of the end of the event giving rise to the claim.

25 Price Adjustment

- 25.1 The Project Manager shall adjust the Contract Price if taxes, duties and other levies are changed between the date 30 days before the submission of tenders for the Contract and the date of Completion. The adjustment shall be the change in the amount of tax payable by the Contractor.
- 25.2 The Contract Price shall be deemed to be based on exchange rates current at the date of tender submission in calculating the cost to the Contractor of materials to be specifically imported (by express provisions in the Contract Bills of Quantities or Specifications) for permanent incorporation in the Works. Unless otherwise stated in the Contract, if at any time during the period of the Contract exchange rates shall be varied and this shall affect the cost to the Contractor of such materials, then the Project Manager shall assess the net difference in the cost of such materials. Any amount from time to time so assessed shall be added to or deducted from the Contract Price, as the case may be.
- 25.3 Unless otherwise stated in the Contract, the Contract Price shall be deemed to have been calculated in the manner set out below and in sub-clauses 25.4 and 25.5 and shall be subject to adjustment in the events specified thereunder;
- (i) The prices contained in the Contract Bills of Quantities shall be deemed to be based upon the rates of wages and other emoluments and expenses as determined by the Joint Building Council of Kenya (J.B.C.) and set out in the schedule of basic rates issued 30 days before the date for submission of tenders. A copy of the schedule used by the Contractor in his pricing shall be attached in the Appendix to Conditions of Contract.

- (ii) Upon J.B.C. determining that any of the said rates of wages or other emoluments and expenses are increased or decreased, then the Contract Price shall be increased or decreased by the amount assessed by the Project Manager based upon the difference, expressed as a percentage, between the rate set out in the schedule of basic rates issued 30 days before the date for submission of tenders and the rate published by the J.B.C. and applied to the quantum of labour incorporated within the amount of Work remaining to be executed at the date of publication of such increase or decrease.
 - (iii) No adjustment shall be made in respect of changes in the rates of wages and other emoluments and expenses which occur after the date of Completion except during such other period as may be granted as an extension of time under clause 17.0 of these Conditions.
- 25.4 The prices contained in the Contract Bills of Quantities shall be deemed to be based upon the basic prices of materials to be permanently incorporated in the Works as determined by the J.B.C. and set out in the schedule of basic rates issued 30 days before the date for submission of tenders. A copy of the schedule used by the Contractor in his pricing shall be attached in the Appendix to Conditions of Contract.
- 25.5 Upon the J.B.C. determining that any of the said basic prices are increased or decreased then the Contract Price shall be increased or decreased by the amount to be assessed by the Project Manager based upon the difference between the price set out in the schedule of basic rates issued 30 days before the date for submission of tenders and the rate published by the J.B.C. and applied to the quantum of the relevant materials which have not been taken into account in arriving at the amount of any interim certificate under clause 23 of these Conditions issued before the date of publication of such increase or decrease.
- 25.6 No adjustment shall be made in respect of changes in basic prices of materials which occur after the date for Completion except during such other period as may be granted as an extension of time under clause 17.0 of these Conditions.
- 25.7 The provisions of sub-clause 25.1 to 25.2 herein shall not apply in respect of any materials included in the schedule of basic rates.

26 Retention

- 26.1 The Employer shall retain from each payment due to the Contractor the proportion stated in the Appendix to Conditions of Contract until Completion of the whole of the Works. On Completion of the whole of the Works, half the total amount retained shall be repaid to the Contractor and the remaining half when the Defects Liability Period has passed and the Project Manager has certified that all defects notified to the Contractor before the end of this period have been corrected.

27 Liquidated Damages

- 27.1 The Contractor shall pay liquidated damages to the Employer at the rate stated in the Appendix to Conditions of Contract for each day that the actual Completion Date is later than the Intended Completion Date. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not alter the Contractor's liabilities.
- 27.2 If the Intended Completion Date is extended after liquidated damages have been paid, the Project Manager shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment certificate. The Contractor shall be paid interest on the overpayment, calculated from the date of payment to the date of repayment, at the rate specified in Clause 23.30

28 Securities

- 28.1 The Performance Security shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and by a reputable bank acceptable to the Employer, and denominated in Kenya Shillings. The Performance Security shall be valid until a date 30 days beyond the date of issue of the Certificate of Completion.

29 Dayworks

- 29.1 If applicable, the Dayworks rates in the Contractor's tender shall be used for small additional amounts of Work only when the Project Manager has given written instructions in advance for additional work to be paid for in that way.
- 29.2 All work to be paid for as Dayworks shall be recorded by the Contractor on Forms approved by the Project Manager. Each completed form shall be verified and signed by the Project Manager within two days of the Work being done.

29.3 The Contractor shall be paid for Dayworks subject to obtaining signed Dayworks forms.

30 Liability and Insurance

30.1 From the Start Date until the Defects Correction Certificate has been issued, the following are the Employer's risks:

a) The risk of personal injury, death or loss of or damage to property (excluding the Works, Plant, Materials and Equipment), which are due to;

(i) use or occupation of the Site by the Works or for the purpose of the Works, which is the unavoidable result of the Works, or

(ii) negligence, breach of statutory duty or interference with any legal right by the Employer or by any person employed by or contracted to him except the Contractor.

b) The risk of damage to the Works, Plant, Materials, and Equipment to the extent that it is due to a fault of the Employer or in Employer's design, or due to war or radioactive contamination directly affecting the place where the Works are being executed.

30.2 From the Completion Date until the Defects Correction Certificate has been issued, the risk of loss of or damage to the Works, Plant, and Materials is the Employer's risk except loss or damage due to;

a) a defect which existed on or before the Completion Date.

b) an event occurring before the Completion Date, which was not itself the Employer's risk

c) the activities of the Contractor on the Site after the Completion Date

30.3 From the Start Date until the Defects Correction Certificate has been issued, the risks of personal injury, death and loss of or damage to property (including, without limitation, the Works, Plant, Materials, and Equipment) which are not Employer's risk are Contractor's risks.

The Contractor shall provide, in the joint names of the Employer and the Contractor, insurance cover from the Start Date to the end of the Defects Liability Period, in the amounts stated in the Appendix to Conditions of Contract for the following events;

- a) loss of or damage to the Works, Plant, and Materials;
- b) loss of or damage to Equipment;
- c) loss of or damage to property (except the Works, Plant, Materials, and Equipment) in connection with the Contract, and
- d) personal injury or death.

30.4 Policies and certificates for insurance shall be delivered by the Contractor to the Project Manager for the Project Manager's approval before the Start Date. All such insurance shall provide for compensation required to rectify the loss or damage incurred.

30.5 If the Contractor does not provide any of the policies and certificates required, the Employer may effect the insurance which the Contractor should have provided and recover the premiums from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due.

30.6 Alterations to the terms of an insurance shall not be made without the approval of the Project Manager. Both parties shall comply with any conditions of insurance policies.

31 Completion and Taking Over

31.1 Upon deciding that the Works are complete, the Contractor shall issue a written request to the Project Manager to issue a Certificate of Completion of the Works. The Employer shall take over the Site and the Works within seven [7] days of the Project Manager's issuing a Certificate of Completion.

32 Final Account

32.1 The Contractor shall issue the Project Manager with a detailed account of the total amount that the Contractor considers payable to him by the Employer under the Contract before the end of the Defects Liability Period. The Project Manager shall issue a Defects Liability Certificate and certify any final payment that is due to the Contractor within 30 days of receiving the Contractor's account if it is correct and complete. If it is not, the Project Manager shall issue within 30 days a schedule that states the scope of the corrections or additions that are necessary. If the final account is still unsatisfactory after it has been resubmitted, the Project Manager shall decide on the amount payable to the Contractor and issue a Payment Certificate. The Employer shall pay the Contractor the amount due in the Final Certificate within 60 days.

33 Termination

33.1 The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract. These fundamental breaches of Contract shall include, but shall not be limited to, the following;

- a) the Contractor stops work for 30 days when no stoppage of work is shown on the current program and the stoppage has not been authorised by the Project Manager;
- b) the Project Manager instructs the Contractor to delay the progress of the Works, and the instruction is not withdrawn within 30 days;
- c) the Contractor is declared bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
- d) a payment certified by the Project Manager is not paid by the Employer to the Contractor within 30 days (for Interim Certificate) or 60 days (for Final Certificate) of issue.
- e) the Project Manager gives notice that failure to correct a particular defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Project Manager;
- f) the Contractor does not maintain a security, which is required.

33.2 When either party to the Contract gives notice of a breach of Contract to the Project Manager for a cause other than those listed under Clause 33.1 above, the Project Manager shall decide whether the breach is fundamental or not.

33.3 Notwithstanding the above, the Employer may terminate the Contract for convenience.

33.4 Notwithstanding the above, the Employer may terminate the Contract for immediately, make the Site safe and secure, and leave the Site as soon as reasonably possible. The Project Manager shall immediately thereafter arrange for a meeting for the purpose of taking record of the Works executed and materials, goods, equipment and temporary buildings on Site.

34 Payment Upon Termination

- 34.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Project Manager shall issue a certificate for the value of the Work done and materials ordered and delivered to Site up to the date of the issue of the certificate. Additional liquidated damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be a debt payable by the Contractor.
- 34.2 If the Contract is terminated for the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Project Manager shall issue a certificate for the value of the Work done, materials ordered, the reasonable cost of removal of equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works.
- 34.3 The Employer may employ and pay other persons to carry out and complete the Works and to rectify any defects and may enter upon the Works and use all materials on the Site, plant, equipment and temporary works.
- 34.4 The Contractor shall, during the execution or after the completion of the Works under this clause remove from the Site as and when required, within such reasonable time as the Project Manager may in writing specify, any temporary buildings, plant, machinery, appliances, goods or materials belonging to or hired by him, and in default the Employer may (without being responsible for any loss or damage) remove and sell any such property of the Contractor, holding the proceeds less all costs incurred to the credit of the Contractor.

Until after completion of the Works under this clause the Employer shall not be bound by any other provision of this Contract to make any payment to the Contractor, but upon such completion as aforesaid and the verification within a reasonable time of the accounts therefore the Project Manager shall certify the amount of expenses properly incurred by the Employer and, if such amount added to the money paid to the Contractor before such determination exceeds the total amount which would have been payable on due completion in accordance with this Contract the difference shall be a debt payable to the Employer by the Contractor; and if the said amount added to the said money be less than the said total amount, the difference shall be a debt payable by the Employer to the Contractor.

35 Release from Performance

- 35.1 If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of either the Employer or the Contractor, the Project Manager shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop Work as quickly as possible after receiving this certificate and shall be paid for all Work carried out before receiving it.

36 Corrupt gifts and payments of commission

The Contractor shall not;

- a) Offer or give or agree to give to any person in the service of the Employer any gift or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this or any other Contract for the Employer or for showing or forbearing to show favour or disfavour to any person in relation to this or any other contract for the Employer.
- b) Enter into this or any other contract with the Employer in connection with which commission has been paid or agreed to be paid by him or on his behalf or to his knowledge, unless before the Contract is made particulars of any such commission and of the terms and conditions of any agreement for the payment thereof have been disclosed in writing to the Employer.

Any breach of this Condition by the Contractor or by anyone employed by him or acting on his behalf (whether with or without the knowledge of the Contractor) shall be an offence under the provisions of the Public Procurement Regulations issued under The Exchequer and Audit Act Cap 412 of the Laws of Kenya.

37 Settlement Of Disputes

- 37.1 In case any dispute or difference shall arise between the Employer or the Project Manager on his behalf and the Contractor, either during the progress or after the completion or termination of the Works, such dispute shall be notified in writing by either party to the other with a request to submit it to arbitration and to concur in the appointment of an Arbitrator within thirty days of the notice. The dispute shall be referred to the arbitration and final decision of a person to be agreed between the parties. Failing agreement to concur in the appointment of an Arbitrator, the Arbitrator shall be appointed by the Chairman or Vice Chairman of any of the following professional institutions;

- (i) Architectural Association of Kenya
- (i) Institute of Quantity Surveyors of Kenya
- (iii) Association of Consulting Engineers of Kenya
- (iv) Chartered Institute of Arbitrators (Kenya Branch)
- (v) Institution of Engineers of Kenya

On the request of the applying party. The institution written to first by the aggrieved party shall take precedence over all other institutions.

- 37.2 The arbitration may be on the construction of this Contract or on any matter or thing of whatsoever nature arising thereunder or in connection therewith, including any matter or thing left by this Contract to the discretion of the Project Manager, or the withholding by the Project Manager of any certificate to which the Contractor may claim to be entitled to or the measurement and valuation referred to in clause 23.0 of these conditions, or the rights and liabilities of the parties subsequent to the termination of Contract.
- 37.3 Provided that no arbitration proceedings shall be commenced on any dispute or difference where notice of a dispute or difference has not been given by the applying party within ninety days of the occurrence or discovery of the matter or issue giving rise to the dispute.
- 37.4 Notwithstanding the issue of a notice as stated above, the arbitration of such a dispute or difference shall not commence unless an attempt has in the first instance been made by the parties to settle such dispute or difference amicably with or without the assistance of third parties. Proof of such attempt shall be required.
- 37.5 Notwithstanding anything stated herein the following matters may be referred to arbitration before the practical completion of the Works or abandonment of the Works or termination of the Contract by either party:
- 37.5.1 The appointment of a replacement Project Manager upon the said person ceasing to act.
 - 37.5.2 Whether or not the issue of an instruction by the Project Manager is empowered by these Conditions.
 - 37.5.3 Whether or not a certificate has been improperly withheld or is not in accordance with these Conditions.
 - 37.5.4 Any dispute or difference arising in respect of war risks or war damage.

37.6 All other matters shall only be referred to arbitration after the completion or alleged completion of the Works or termination or alleged termination of the Contract, unless the Employer and the Contractor agree otherwise in writing.

37.7 The Arbitrator shall, without prejudice to the generality of his powers, have powers to direct such measurements, computations, tests or valuations as may in his opinion be desirable in order to determine the rights of the parties and assess and award any sums which ought to have been the subject of or included in any certificate.

37.8 The Arbitrator shall, without prejudice to the generality of his powers, have powers to open up, review and revise any certificate, opinion, decision, requirement or notice and to determine all matters in dispute which shall be submitted to him in the same manner as if no such certificate, opinion, decision requirement or notice had been given.

37.9 The award of such Arbitrator shall be final and binding upon the parties.

SECTION IV - APPENDIX TO CONDITIONS OF CONTRACT

THE EMPLOYER IS

Name: **_ THE MIN. OF HEALTH SERVICES - NYANDARUA COUNTY _**

Address: **_ P.O. BOX 221 - 20303, OL-KALOU _____**

Name of Authorized Representative: **THE CHIEF OFFICER - MINISTRY OF HEALTH SERVICES**

Telephone: _____

E - mail: **info@nyandarua.go.ke**

The Project Manager is

Name: **COUNTY WORKS OFFICER, DIRECTORATE OF PUBLIC WORKS,
NYANDARUA COUNTY**

Address: **P.O. BOX 82, 20300, NYAHURURU**

Telephone: _____

E - mail: _____

The name (and identification number) of the Contract is **PROPOSED CONSTRUCTION AND COMPETITION OF TYPE DISPENSARIES AND ASSOCIATED EXTERNAL WORKS FOR THE MIN. OF HEALTH SERVICES - NYANDARUA COUNTY**

The works to be carried out under this contract involves; building of a new single storey load-bearing walled structure covering about 225 square meters of ground floor plinth infilled with natural stone walls. The floor slabs are reinforced concrete finished with ceramic floor tiles. Wall finishes are plaster and paint and ceramic wall tiles in wet areas. Ceiling finishes painted plain chip- boards. There are timber flush doors, and steel casement windows. The project consist of external works such as Public toilet block, rain-water havesting tank bases, drive-way and parking, paved path to public toilet, fencing, sentry box & external gate, foul drainage and soft land-scaping. Sub-contract works for electrical installations, sanitary fittings, plumbing, internal drainage, water reticulation & fire-fighting equipment are also included.

The Start Date shall be **_AGREED WITH THE PROJECT MANAGER**

The Intended Completion Date for the whole of the Works shall be **28 WEEKS FROM THE DATE OF POSSESSION**

The following documents also form part of the Contract: **AS LISTED IN CLAUSE 2.3 OF THE CONDITIONS OF CONTRACT.**

The Contractor shall submit a revised program for the Works within **_SEVEN (7)_** days of delivery of the Letter of Acceptance.

The Site Possession Date shall be **AGREED WITH THE PROJECT MANAGER___**

The Site is located at Matindiri dispensary in Ol-joro-orok sub-county and is defined drawings nos. **AS PROVIDED**

The Defects Liability period is **180** days.

Other Contractors, utilities etc., to be engaged by the Employer on the Site Include those for the execution of;

1. **_Electricla Installations**
2. **_Plumbing, internal drainage, water reticulation & fire-fighting equipment**
3. _____
4. _____

The minimum insurance covers shall be;

- 1 The minimum cover for insurance of the Works and of Plant and Materials in respect of the Contractor's faulty design is **Nil**_____
- 2 The minimum cover for loss or damage to Equipment is Nil
- 3 The minimum for insurance of other property is **Kshs 100,000.00**_____
- 4 The minimum cover for personal injury or death insurance
 - For the Contractor's employees is **Kshs 1,000,000.00**_____
 - And for other people is **Kshs 1,000,000.00**_____

The following events shall also be Compensation Events:

1. NONE ONLY AS LISTED IN CLAUSE 24 OF THE CONDITIONS OF CONTRACT.

2. _____

3. _____

The period between Program updates is _____ **30**_____ days.

The amount to be withheld for late submission of an updated Program is **WHOLE OF CERTIFIED AMOUNT**_____

The proportion of payments retained is _____ **10%**_____ percent.

The Price Adjustment Clause **SHALL NOT** apply

The liquidated damages for the whole of the Works is Kshs. **_19,000.00_** (per week)

The Performance Security shall be for the following minimum amounts equivalent as a percentage of the Contract Price-----**5%**----- percent (%)

The Completion Period for the Works is _____ **28**_____ [Weeks]

The rate of exchange for calculation of foreign currency payments is **NOT APPLICABLE** _____.

The schedule of basic rates used in pricing by the Contractor is as attached **[Contractor to attach]**.

Advance Payment _____ **SHALL NOT BE GRANTED.**

The Bidder should submit **ONLY ONE (1 NO.) ORIGINAL COPY** of the Bills of Quantities and not two (2No.) as indicated in Clause 4.1 of the Instruction to Tenderers.

SECTION VIII - STANDARD FORM

- (i) Form of Invitation for Tenders
- (ii) Form of Tender
- (iii) Letter of Acceptance
- (iv) Form of Agreement
- (v) Form of Tender Security
- (vi) Performance Bank Guarantee
- (vii) Bank Guarantee for Advance Payment
- (viii) Qualification Information
- (ix) Tender Questionnaire
- (xi) Confidential Business Questionnaire
- (x) Statement of Foreign Currency Requirement
- (xi) Details of Sub-Contractors

FORM OF TENDER

TO: _____ [Date]_____

Dear Sir,

- 1 In accordance with the Conditions of Contract, Specifications, Drawings and Bills of Quantities 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 Project Manager'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 the Tenderer]
of _____ [Address of the tenderer]

Witness; Name _____

Address _____

Signature _____

Date _____

LETTER OF ACCEPTANCE
[letterhead paper of the Employer]

_____ [date]

To: _____
[name of the Contractor]

[Address of the Contractor]

Dear Sir,

This is to notify you that your Tender dated _____
for the execution of _____
[name of the Contract and identification number, as given in the Tender documents] for
the Contract Price of Kshs. _____ *[amount in figures]* [Kenya
Shillings _____ *(amount in words)*] in accordance with the
Instructions to Tenderers is hereby accepted.

You are hereby instructed to proceed with the execution of the said Works in
accordance with the Contract documents.

Authorized Signature

Name and Title of Signatory

Attachment : Agreement

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
- 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.

(i) FOR AND ON BEHALF OF THE EMPLOYER

Name _____

Title_____

Binding Signature_____

Date_____

Witnessed by:

Name _____

Address_____

Signature_____

Date_____

(ii) FOR AND ON BEHALF OF THE CONTRACTOR

Name of the Contractor_____

Full name of the Contractor's authorized representative_____

Title_____

Binding Signature_____

Date_____

Witnessed by:

Name _____

Address_____

Signature_____

Date_____

FORM OF TENDER SECURITY

WHEREAS(hereinafter called "the Tenderer") has submitted his tender dated for the construction of
..... (name of Contract)

KNOW ALL PEOPLE by these presents that WE having our registered office at(hereinafter called "the Bank"), are bound unto(hereinafter called "the Employer") in the sum of Kshs..... for which payment well and truly to be made to the said Employer, the Bank binds itself, its successors and assigns by these presents sealed with the Common Seal of the said Bank this Day of20.....

THE CONDITIONS of this obligation are:

- 1 If after tender opening the tenderer withdraws his tender during the period of tender validity specified in the instructions to tenderers
Or
- 2 If the tenderer, having been notified of the acceptance of his tender by the Employer during the period of tender validity:
 - a) fails or refuses to execute the form of Agreement in accordance with the Instructions to Tenderers, if required; or
 - b) fails or refuses to furnish the Performance Security, in accordance with the Instructions to Tenderers;

We undertake to pay to the Employer up to the above amount upon receipt of his first written demand, without the Employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including thirty (30) days after the period of tender validity, and any demand in respect thereof should reach the Bank not later than the said date.

[date] _____

[signature of the Bank]

[witness] _____

[seal]

PERFORMANCE BANK GUARANTEE

To: _____(Name of Employer)
_____(Address of Employer)

Dear Sir,

WHEREAS _____(hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. _____ dated _____ to execute _____ (hereinafter called "the Works");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognised bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Kshs. _____ (*amount of Guarantee in figures*) Kenya Shillings _____ (*amount of Guarantee in words*), and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of Kenya Shillings _____ (*amount of Guarantee in words*) as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change, addition or other modification of the terms of the Contract or of the Works to be performed thereunder or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this Guarantee, and we hereby waive notice of any change, addition, or modification.

This guarantee shall be valid until the date of issue of the Certificate of Completion.

SIGNATURE AND SEAL OF THE GUARANTOR _____

Name of Bank _____

Address _____

Date _____

BANK GUARANTEE FOR ADVANCE PAYMENT

To: _____(Name of Employer)
_____ (Address of Employer)

Gentlemen,

Ref: _____[name of Contract]

In accordance with the provisions of the Conditions of Contract of the above-mentioned Contract, We, _____[name and Address of Contractor] (hereinafter called "the Contractor") shall deposit with _____[name of Employer] a bank guarantee to guarantee his proper and faithful performance under the said Contract in an amount of Kshs. _____[amount of Guarantee in figures] Kenya Shillings _____[amount of Guarantee in words].

We, _____[bank or financial institution], as instructed by the Contractor, agree unconditionally and irrevocably to guarantee as primary obligator and not as Surety merely, the payment to _____[name of Employer] on his first demand without whatsoever right of objection on our part and without his first claim to the Contractor, in the amount not exceeding Kshs _____[amount of Guarantee in figures] Kenya Shillings _____[amount of Guarantee in words], such amount to be reduced periodically by the amounts recovered by you from the proceeds of the Contract.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed thereunder or of any of the Contract documents which may be made between _____[name of Employer] and the Contractor, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

No drawing may be made by you under this guarantee until we have received notice in writing from you that an advance payment of the amount listed above has been paid to the Contractor pursuant to the Contract.

This guarantee shall remain valid and in full effect from the date of the advance payment under the Contract until _____(name of Employer) receives full payment of the same amount from the Contract.

Yours faithfully,

Signature and Seal _____

Name of the Bank or financial institution _____

Address _____

Date _____

Witness Name: _____

Address: _____

Signature: _____

Date: _____

QUALIFICATION INFORMATION

1 Individual Tenderers or Individual Members of Joint Ventures

1.1 Constitution or legal status of tenderer (attach copy or Incorporation Certificate);

Place of registration: _____

Principal place of business _____

Power of attorney of signatory of tender _____

1.2 Total annual volume of construction work performed in the last five years

Year	Volume	
	Currency	Value

1.3 Work performed as Main Contractor on works of a similar nature and volume over the last five years. Also list details of work under way or committed, including expected completion date.

Project Name	Name of client and contact person	Type of work performed and year of	Value of Contract

1.4 Major items of Contractor's Equipment proposed for carrying out the Works. List all information requested below.

Item of equipment	Description, Make and age (years)	Condition (new, good, poor) and number available	Owned, leased (from whom) or to be purchases (from whom)
(etc.)			

1.5 Qualifications and experience of key personnel proposed for administration and execution of the Contract. Attach biographical data.

Position	Name	Years of experience	Years of experience in proposed position

1.6 Financial reports for the last five years: balance sheets, profit and loss statements, auditor's reports, etc. List below and attach copies.

1.7 Evidence of access to financial resources to meet the qualification requirements: cash in hand, lines of credit, etc. List below and attach copies of supportive documents.

1.8 Name, address and telephone, telex and facsimile numbers of banks that may provide reference if contacted by the Employer.

1.9 Statement of compliance with the requirements of Clause 1.2 of the Instructions to Tenderers.

1.10 Proposed program (work method and schedule) for the whole of the Works.

2 Joint Ventures

- 2.1 The information listed in 1.1 – 1.10 above shall be provided for each partner of the joint venture.
- 2.2 The information required in 1.11 above shall be provided for the joint venture.
- 2.3 Attach the power of attorney of the signatory(ies) of the tender authorizing signature of the tender on behalf of the joint venture
- 2.4 Attach the Agreement among all partners of the joint venture (and which is legally binding on all partners), which shows that:
 - a) all partners shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms;
 - b) one of the partners will be nominated as being in charge, authorized to incur liabilities and receive instructions for and on behalf of any and all partners of the joint venture; and
 - c) the execution of the entire Contract, including payment, shall be done exclusively with the partner in charge.

TENDER QUESTIONNAIRE

Please fill in block letters.

1 Full names of tenderer

.....

2 Full address of tenderer to which tender correspondence is to be sent (unless an agent has been appointed below)

.....

3 Telephone number (s) of tenderer

.....

4 Telex address of tenderer

.....

5 Name of tenderer's representative to be contacted on matters of the tender during the tender period

.....

6 Details of tenderer's nominated agent (if any) to receive tender notices. This is essential if the tenderer does not have his registered address in Kenya (name, address, telephone, telex)

.....

.....

Signature of Tenderer

Make copy and deliver to: _____ (*Name of Employer*)

CONFIDENTIAL BUSINESS QUESTIONNAIRE

You are requested to give the particulars indicated in Part 1 and either Part 2 (a), 2 (b) or 2 (c) and 2 (d) whichever applies to your type of business.

You are advised that it is a serious offence to give false information on this Form.

Part 1 – General

Business Name

Location of business premises; Country/Town.....

Plot No..... Street/Road

Postal Address..... Tel No.....

Nature of Business.....

Current Trade Licence No..... Expiring date.....

Maximum value of business which you can handle at any time: K.
pound.....

Name of your bankers.....

Branch.....

Part 2 (a) – Sole Proprietor

Your name in full..... Age.....

Nationality..... Country of Origin.....

*Citizenship details

Part 2 (b) – Partnership

Give details of partners as follows:

<i>Name in full</i>	<i>Nationality</i>	<i>Citizenship Details</i>
1.....
2.....
3.....

Part 2(c) – Registered Company:

Private or public.....

State the nominal and issued capital of the Company-

Nominal Kshs.....

Issued Kshs.....

Give details of all directors as follows:

Name in full	<i>Nationality</i>	<i>Citizenship Details*</i>
--------------	--------------------	-----------------------------

1.....

2.....

3.....

4.....

Part 2(d) – Interest in the Firm:

Is there any person / persons in(Name of Employer) who has interest in this firm? Yes/No.....(Delete as necessary)

I certify that the information given above is correct.

.....
(Title)

.....
(Signature)

- Attach proof of citizenship

STATEMENT OF FOREIGN CURRENCY REQUIREMENTS

(See Clause 23] of the Conditions of Contract)

In the event of our Tender for the execution of _____
_____ (*name of Contract*) being accepted, we would require
in accordance with Clause 21 of the Conditions of Contract, which is attached
hereto, the following percentage:

(Figures)..... (Words).....

of the Contract Sum, (Less Fluctuations) to be paid in foreign currency.

Currency in which foreign exchange element is required:

.....

Date: The Day of 20.....

Enter 0% (zero percent) if no payment will be made in foreign currency.

Maximum foreign currency requirement shall be _____(percent) of the
Contract Sum, less Fluctuations.

(Signature of Tenderer)

DETAILS OF SUB-CONTRACTORS

If the Tenderer wishes to sublet any portions of the Works under any heading, he must give below details of the sub-contractors he intends to employ for each portion.

Failure to comply with this requirement may invalidate the tender.

1) Portion of Works to be sublet:

i) Full name of Sub-contractor and address of head office:
.....

ii) Sub-contractor's experience of similar works carried out in the last 3 years with Contract value:
.....
.....

2) Portion of Works to sublet:

i) Full name of Sub-contractor and address of head office:
.....

ii) Sub-contractor's experience of similar works carried out in the last 3 years with Contract value:
.....
.....

[Signature of Tenderer]

[Date]

LETTER OF NOTIFICATION OF AWARD

Address of Procuring Entity

To: _____

RE: Tender No. _____
Tender Name _____

This is to notify that the contract/s stated below under the above mentioned tender have been awarded to you.

- 1 Please acknowledge receipt of this letter of notification signifying your acceptance.
- 2 The contract/contracts shall be signed by the parties within 30 days of the date of this letter but not earlier than 14 days from the date of the letter.
- 3 You may contact the officer(s) whose particulars appear below on the subject matter of this letter of notification of award.

(FULL PARTICULARS) _____

SIGNED FOR ACCOUNTING OFFICER

PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>PARTICULAR PRELIMINARIES</u></p> <p>A PRICING ITEMS OF PRELIMINARIES</p> <p>Prices SHALL BE INSERTED against items of “preliminaries” in the tenderer’s priced Bills of Quantities. The contractor is advised to read and understand all preliminary items.</p> <p>B DESCRIPTION OF THE WORKS</p> <p>The works to be carried out under this contract involves; building of a new single storey load-bearing walled structure covering about 225 square meters of ground floor plinth infilled with natural stone walls. The floor slabs are reinforced concrete finished with ceramic floor tiles. Wall finishes are plaster and paint and ceramic wall tiles in wet areas. Ceiling finishes painted plain chip- boards. There are timber flush doors, and steel casement windows. The project consist of external works such as Public toilet block, rain-water havesting tank bases, drive-way and parking, paved path to public toilet, fencing, sentry box & external gate, foul drainage and soft landscaping. Sub-contract works for electrical installations, sanitary fittings, plumbing, internal drainage, water reticulation & fire-fighting equipment are also included.</p> <p>C MEASUREMENTS</p> <p>In the event of any discrepancies arising between the Bills of Quantities and the actual works, the site measurements shall generally take precedence. However, such discrepancies between any contract documents shall immediately be referred to the PROJECT MANAGER in accordance with Clause 22 of the Conditions of Contract. The discrepancies shall then be treated as a variation and be dealt with in accordance with Clause 22 of the said Conditions.</p> <p>D LOCATION OF SITE</p> <p>The site of the proposed works is located at Matindiri dispensary. The Contractor is advised to visit the site, to familiarize with the nature and position of the site. No claims arising from the Contractor’s failure to do so will be entertained.</p> <p>E SIGNING OF THE TENDER DOCUMENTS</p> <p>The bidder shall append his / her signature and / or company ‘s rubberstamp on each and every page of tender document.</p> <p>F CLEARING AWAY</p> <p>The Contractor shall remove all temporary works, rubbish, debris and surplus materials from the site as they accumulate and upon completion of the works, remove and clear away all plant, equipment, rubbish, unused materials and stains and leave in a clean and tidy state to the reasonable satisfaction of the Project Manager.</p>				
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<p data-bbox="147 218 175 247">A</p> <p data-bbox="217 218 347 247">CLAIMS</p> <p data-bbox="217 300 1305 491">It shall be a condition of this contract that upon it becoming reasonably apparent to the Contractor that he has incurred losses and / or expenses due to any of the contract conditions, or by any other reason whatsoever, he shall present such a claim or intent to claim notice to the PROJECT MANAGER within the contract period. No claim shall be entertained upon the expiry of the said contact period.</p> <p data-bbox="147 543 175 573">B</p> <p data-bbox="217 543 399 573">PAYMENTS</p> <p data-bbox="217 625 1305 856">The tenderer's attention is drawn to the fact that the GOVERNMENT IS ALLOWED TO MAKE ADVANCE PAYMENTS ONLY on production of an approved bank guarantee and also pays for work done and materials delivered to site: all in accordance with Clause 23 of the Conditions of Contract Agreement. In order to facilitate this, a list of the general component elements for the works is given at the summary page of these specifications and the tenderer is requested to break down his</p> <p data-bbox="147 909 175 938">C</p> <p data-bbox="217 909 967 938">PREVENTION OF ACCIDENT, DAMAGE OR LOSS</p> <p data-bbox="217 991 1273 1222">The Contractor is notified that these works are to be carried out on a restricted site where the client is going on with other normal activities. The Contractor is thus instructed to take reasonable care in the execution of the works as to prevent accidents, damage or loss and disruption of activities being carried out by the Client. The Contractor shall allow in his rates any expense he deemes necessary by taking such care within the site.</p> <p data-bbox="147 1274 175 1304">D</p> <p data-bbox="217 1274 597 1304">WORKING CONDITIONS</p> <p data-bbox="217 1314 1284 1461">The Contractor shall allow in his rates for any interference that he may encounter in the course of the works for the Client may in some cases ask the Contractor not to proceed with the works until some activities within the site are completed, as the offices will be operating as usual during the course of the contract.</p> <p data-bbox="147 1514 175 1543">E</p> <p data-bbox="217 1514 412 1543">SIGNBOARD</p> <p data-bbox="217 1593 1300 1698">Allow for providing, erecting, maintaining throughout the course of the Contract and afterwards clearing away a signboard as designed, specified and approved by the Project Manager.</p> <p data-bbox="147 1751 175 1780">F</p> <p data-bbox="217 1751 477 1780">LABOUR CAMPS</p> <p data-bbox="217 1791 1284 1854">The Contractor shall not be allowed to house labour on site. Allow for transporting workers to and from the site during the tenure of the contract.</p>	<p data-bbox="217 100 1312 174">The whole of the works shall be delivered up clean, complete and in perfect condition in every respect to the satisfaction of the Project Manager.</p>				
	<p data-bbox="480 1906 748 1936"><i>Carried to collection</i></p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p>MATERIALS FROM DEMOLITIONS</p> <p>Any materials arising from demolitions and not re-used shall become the property of the Client. The Contractor shall allow in his rates the cost of transporting the demolished materials to the Client's premises at Nyahururu.</p>				
B	<p>PRICING RATES</p> <p>The tenderer shall include for all costs in executing the whole of the works, including transport, replacing damaged items, fixing, all to comply with the said Conditions of Contract.</p>				
C	<p>MOBILE PHONE AIRTIME FOR OFFICERS</p> <p>Provide mobile phone airtime worth Kenya Shillings Five Hundred (Kshs 500.00) only per person per week for ten (10 No.) Officers for the duration of the contract period.</p> <p>Allow for Contractor's profit and overheads (-----%)</p>				140,000.00
D	<p>SECURITY</p> <p>The Contractor shall allow for providing adequate security for the works and the workers in the course of execution of this contract. No claim will be entertained from the Contractor for not maintaining adequate security for both the works and workers.</p>				
E	<p>URGENCY OF THE WORKS</p> <p>The Contractor is notified that these “ works are urgent” and should be completed within the period stated in these Particular Preliminaries.</p> <p>The Contractor shall allow in his rates for any costs he/ she deems that he/she may incur by having to complete these works within the stipulated contract period.</p>				
F	<p>PAYMENT FOR MATERIALS ON SITE</p> <p>All materials for incorporation in the works must be stored on site before payment is effected, unless specifically exempted by the Project Manager. This is to include materials of the Contractor, nominated sub-Contractors and nominated suppliers.</p>				
G	<p>EXISTING SERVICES</p> <p>Prior to the commencement of any work, the Contractor is to ascertain from the relevant authority the exact position, depth and level of all existing services in the area and he/she shall make whatever provisions may be required by the authorities</p>				
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p>CONTRACT COMPLETION PERIOD</p> <p>The contract completion period in accordance with condition 31 of the Conditions of contract must be adhered to.</p> <p>The ‘PROJECT MANAGER’ shall strictly monitor the Contractors progress in relation to the progress chart and should it be found necessary the ‘PROJECT MANAGER’ shall inform the Contractor in writing that his actual performance on site is not satisfactory .In all such cases the Contractor shall accelerate his rate of performance production and progress by all means such as additional labour,plant, e.t.c and working overtime all at his cost.</p>				
B	<p>PERFORMANCE BOND</p> <p>A bond of 5% of the contract sum will be required in accordance with clause 28 on award of contract of the Instructions to Tenderer’s. No payment on account for the works executed will be made to the contractor until he has submitted the Performance</p>				
C	<p>TENDER DOCUMENTS</p> <p>Tender documents are as listed in Clause 2.1 of the Instruction to Tenderer’s Page STD/8</p>				
D	<p>DELIVERY OF TENDER</p> <p>Tenders and all documents in connection therewith, as specified above must be delivered in the addressed envelope which should be properly sealed and deposited at the offices as specified in the letter accompanying these documents or as indicated in</p> <p>Tenders will be opened at the time specified in the letter accompanying these Tender Documents or as indicated in the advertisement. Tenders delivered/received later than the above time will not be opened.</p>				
E	<p>VALUE ADDED TAX</p> <p>The Contractor’s attention is drawn to the Legal Notice in the Finance Act part 3 Section 21(b) operative from 1st September, 1993 which requires payment of VAT on all contracts. The contractor should therefore include allowance for V.A.T and other Government taxes currently in force for all his rates, provisional items and prime cost sums in this tender</p> <p>The tenderer is advised that in accordance with Government public notice No. 35 & 36 Dated 11th September 2003 operational from 1st October 2003, VAT will be deducted against the contract sum at the prevailing rate by the Employer and remitted directly to the Commissioner of VAT through all interim certificates. It should</p>				
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	NB: The tenderer shall include the V.A.T. at the grand summary page				
A	TRANSPORT FOR OFFICERS				
	Allow Kenya Shillings one hundred thousand (Kshs 100, 000.00) only for fuel for the Project Manager's vehicle to and from the site of the works				100,000.00
	Allow for Contractor's profit and overheads (-----%)				
B	<u>PROJECT MANAGERS EXPENSES</u>				
	Provide a provisional sum of Kenya Shillings one hundred thousand (Kshs 100,000.00) only for Project Manager's supervisory expenses				100,000.00
	Allow for Contractor's profit and overheads (-----%)				
	Provide a provisional sum of Kenya Shillings eighty thousand (Kshs 80,000.00) only for Clerk of works expenses				80,000.00
	Allow for Contractor's profit and overheads (-----%)				
	Provide a provisional sum of Kenya Shillings fifty thousand (Kshs 50,000.00) only for project managers stationery.				50,000.00
	Allow for Contractor's profit and overheads (-----%)				
	The following are the insertions to be made in the appendix to the Contract Agreement: -				
D	<u>INSERTIONS TO THE CONTRACT</u>				
	Period of Final Measurement	3 Months From Practical completion			
	Defects Liability Period	6 Months from Practical completion			
	Date for Possession	To be agreed with the Project Manager			
	Date for Completion	... 25 Weeks from date of Possession			
	Liquidated and Ascertained damages At the rate of Kshs ... 15,000.00 per week or Prime cost sums for which the Contractor desires to tender				
	Period of Interim Certificates	Monthly			
	Period of Honouring Certificates	30 days			
	Percentage of Certified Value Retained	10%			
	Limit of Retention Fund	10%			
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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GENERAL PRELIMINARIES

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>GENERAL PRELIMINARIES</p> <p>A PRICING ITEMS OF PRELIMINARIES AND</p> <p>Prices will be inserted against items of Preliminaries in the</p> <p>The Contractor shall be deemed to have included in his prices</p> <p>B ABBREVIATIONS</p> <p>Throughout these Bills, units of measurement and terms are</p> <p><i>C.M.</i> Shall mean cubic metre</p> <p><i>S.M.</i> Shall mean square metre</p> <p><i>L.M.</i> Shall mean linear metre</p> <p><i>MM</i> Shall mean Millimetre</p> <p><i>Kg.</i> Shall mean Kilogramme</p> <p><i>No.</i> Shall mean Number</p> <p><i>Prs.</i> Shall mean Pairs</p> <p><i>B.S.</i> - Shall mean the British Standard Specification</p> <p><i>Ditto</i> - Shall mean the whole of the preceding description</p> <p><i>m.s.</i> Shall mean measured separately.</p> <p><i>a.b.d</i> Shall mean as before described.</p>				
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<p>A.</p>	<p>EXCEPTION TO THE STANDARD METHOD OF MEASUREMENT</p> <p><i>Attendance</i> ; Clause B19(a) of the Standard Method of Measurement is deleted and the following clause is substituted:-</p> <p>Attendance on nominated Sub-Contractors shall be given as an item in each case shall be deemed to include: allowing use of standing scaffolding, mess rooms, sanitary accommodation and welfare facilities; provision of special scaffolding where necessary; providing space for office accommodation and for storage of plant and materials; providing light and water for their work: clearing away rubbish; unloading checking and hoisting: providing electric power and removing and replacing duct covers, pipe casings and the like necessary for the execution and testing of Sub-Contractors' work and being responsible for the accuracy of the same.</p> <p><i>Fix Only</i>:-</p> <p>"Fix Only" shall mean take delivery at nearest railway station (Unless otherwise stated),pay all demurrage charges, load and transport to site where necessary, unload, store,unpack, assemble as necessary, distribute to position, hoist and fix only.</p>				
<p>B.</p>	<p>EMPLOYER</p> <p>The "Employer" is The The County Government of Nyandarua represented by the Chief Officer, Health Services.</p> <p>The term "Employer" and "Government" wherever used in the contract document shall be synonymous</p>				
<p>C.</p>	<p>PROJECT MANAGER</p> <p>The term "P.M." wherever used in these Bills of Quantities shall be deemed to imply the Project Manager as defined in Condition 1 of the Conditions of Contract or such person or persons as may be duly authorised to represent him on behalf of the Government.</p>				
<p>D.</p>	<p>ARCHITECT</p> <p>The term "Architect" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is the County Architect, Nyandarua County, P.O. Box 82, Nyahururu</p>				
	<p><i>Carried to collection</i></p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p>QUANTITY SURVEYOR</p> <p>The term "Quantity Surveyor" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is the County Quantity Surveyor, Nyandarua County, P.O. Box 82, Nyahururu</p>				
B	<p>ELECTRICAL ENGINEER</p> <p>The term "Electrical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is the County Electrical Engineer, Nyandarua County, P.O. Box 82, Nyahururu</p>				
C	<p>MECHANICAL ENGINEER</p> <p>The term "Mechanical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is the County Mechanical Engineer, Nyandarua County, P.O. Box 82, Nyahururu</p>				
D	<p>STRUCTURAL ENGINEER</p> <p>The term "Structural Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is the County Engineer (Structural), Nyandarua County, P.O. Box 82, Nyahururu</p>				
E	<p>FORM OF CONTRACT</p> <p>The Form of Contract shall be as stipulated in the Republic of Kenya's Standard Tender Document for PROCUREMENT OF WORKS (BUILDING AND ASSOCIATED CIVIL ENGINEERING WORKS (Revised October 2006) included herein</p> <p>The Conditions of Contract are also included herein</p> <p><i>Conditions of Contract</i></p> <p>These are numbered from 1 to 61 as set out in pages 20 to 43 of these tender documents.</p> <p>Particulars of insertions to be made in the Appendix to the Contract Agreement will be found in the Particular Preliminaries part of these Bills of Quantities</p>				
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<p>A</p>	<p>BOND.</p> <p>The Contractor shall find and submit on the Form of Tender and approved bank and who will be willing to be bound the Government in and amount equal to five per cent (5) of the Contract amount for the due performances of the Contract up to the date of completion as certified by the PROJECT MANAGER and who will when and if called upon, sign a Bond to that effect on the relevant standard form included herein. (without the addition of any limitations) on the same day as the Contract Agreement is signed, by the Government, the Contractor shall furnish within seven days another Surety to the approval of the Government.</p>				
<p>B</p>	<p>PLANT, TOOLS AND VEHICLES</p> <p>Allow for providing all scaffolding, plant, tools and vehicles required for the works except in so far as may be stated otherwise herein and except for such items specifically and only required for the use of nominated Sub-Contractors as described herein. No timber used for scaffolding, formwork or temporary works of any kind shall be used afterwards in the permanent work.</p>				
<p>C</p>	<p>TRANSPORT.</p> <p>Allow for transport of workmen, materials, etc., to and from the site at such hours and by such routes as may be permitted by the competent authorities.</p>				
<p>D</p>	<p>MATERIALS AND WORKMANSHIP.</p> <p>All materials and workmanship used in the execution of the work shall be of the best quality and description unless otherwise stated. The Contractor shall order all materials to be obtained from overseas immediately after the Contract is signed and shall also ensure they are onsite when required for use in the works. The Bills of Quantities shall not be used for the purpose of ordering materials.</p>				
<p>E</p>	<p>SIGN FOR MATERIALS SUPPLIED.</p> <p>The Contractor will be required to sign a receipt for all articles and materials supplied by the PROJECT MANAGER at the time of taking deliver 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 articles and/or materials which will be supplied by the PROJECT MANAGER at the current market prices including Customs Duty and V.A.T., all at the Contractor's own cost and expense, to the satisfaction of the PROJECT MANAGER</p>				
	<p><i>Carried to collection</i></p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p>STORAGE OF MATERIALS</p> <p>The Contractor shall provide at his own risk and cost where directed on the site weather proof lock-up sheds and make good damaged or disturbed surfaces upon completion to the satisfaction of the PROJECT MANAGER. Nominated Sub-Contractors are to be made liable for the cost of any storage accommodation provided especially for their use.</p>				
B	<p>SAMPLES</p> <p>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 the PROJECT MANAGER for his approval until such samples are approved by the PROJECT MANAGER and the PROJECT MANAGER, may reject any materials or workmanship not in his opinion to be up to approved samples. The PROJECT MANAGER shall arrange for the testing of such materials as he may at his discretion deem desirable, but the testing shall be made at the expense of the Contractor and not at the expense of the PROJECT MANAGER. The Contractor shall pay for the testing in accordance with the current scale of testing charges laid down by the Ministry of Public Works.</p> <p>The procedure for submitting samples of materials for testing and the method of marking for identification shall be as laid down by the PROJECT MANAGER The Contractor shall allow in his tender for such samples and tests except those in connection with nominated sub-contractors' work.</p>				
C	<p>GOVERNMENT ACTS REGARDING WORKPEOPLE ETC.</p> <p>Allow for complying with all Government Acts, Orders and Regulations in connection with the employment of Labour and other matters related to the execution of the works. In particular the Contractor's attention is drawn to the provisions of the Factory Act 1950 and his tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurances, pensions and holidays for workpeople or so the safety, health and welfare of the workpeople.</p> <p>The Contractor must make himself fully acquainted with current Acts and Regulations, including Police Regulations regarding the movement, housing, security and control of labour, labour camps , passes for transport, etc. It is most important that the Contractor, before tendering, shall obtain from the relevant Authority the fullest information regarding all such regulations and/or restrictions which may affect the organisation 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>				
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<p>A</p> <p>SECURITY OF WORKS ETC.</p> <p>The Contractor shall be entirely responsible for the security of all the works stores, materials, plant, personnel, etc., both his own and sub-contractors' and must provide all necessary watching, lighting and other precautions as necessary to ensure security against theft, loss or damage and the protection of the public.</p> <p>B</p> <p>PUBLIC AND PRIVATE ROADS.</p> <p>Maintain as required throughout the execution of the works and make good any damage to public or private roads arising from or consequent upon the execution of the works to the satisfaction of the local and other competent authority and the PROJECT MANAGER</p> <p>C</p> <p>EXISTING PROPERTY.</p> <p>The Contractor shall take every precaution to avoid damage to all existing property including roads, cables, drains and other services and he will be held responsible for and shall make good all such damage arising from the execution of this contract at his own expense to the satisfaction of the PROJECT MANAGER</p> <p>D</p> <p>VISIT SITE AND EXAMINE DRAWINGS.</p> <p>The Contractor is recommended to examine the drawings and visit the site the location of which is described in the Particular Preliminaries hereof. He shall be deemed to have acquainted himself therewith as to its nature, position, means of access or any other matter which, may affect his tender. No claim arising from his failure to comply with this recommendation will be considered.</p> <p>E</p> <p>ACCESS TO SITE AND TEMPORARY ROADS.</p> <p>Means of access to the Site shall be agreed with the PROJECT MANAGER prior to commencement of the work and Contractor must allow for building any necessary temporary access roads for the transport of the materials, plant and workmen as may be required for the complete execution of the works including the provision of temporary culverts, crossings, bridges, or any other means of gaining access to the Site. Upon completion of the works, the Contractor shall remove such temporary access roads; temporary culverts, bridges, etc., and make good and reinstate all works and surfaces disturbed to the satisfaction of the PROJECT MANAGER The Contractor should also allow for relocating existing fence (approx. 30 metres long).</p>					
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p>AREA TO BE OCCUPIED BY THE CONTRACTOR</p> <p>The area of the site which may be occupied by the Contractor for use of storage and for the purpose of erecting workshops, etc., shall be defined on site by the PROJECT MANAGER</p>				
B	<p>OFFICE ETC. FOR THE PROJECT MANAGER</p> <p>The Contractor shall provide, erect and maintain where directed on site and afterwards dismantle the site office of the standard type, complete with furniture. He shall also provide a strong metal trunk complete with strong hasp and staple fastening and two keys. He shall provide, erect and maintain a lock-up type water or bucket closet for the sole use of the PROJECT MANAGER including making temporary connections to the drain where applicable to the satisfaction of Government and Medical Officer of Health and shall provide services of cleaner and pay all conservancy charges and keep both office and closet in a clean and sanitary condition from commencement to the completion of the works and dismantle and make good disturbed surfaces. The office and closet shall be completed before the Contractor is permitted to commence the works. The Contractor shall make available on the Site as and when required by the "PROJECT MANAGER" a modern and accurate level together with levelling staff, ranging rods and 50 metre metallic or linen tape.</p>				
C	<p>WATER AND ELECTRICITY SUPPLY FOR THE WORKS</p> <p>The Contractor shall provide at his own risk and cost all necessary water, electric light and power required for use in the works. The Contractor must make his own arrangements for connection to the nearest suitable water main and for metering the water used. He must also provide temporary tanks and meters as required at his own cost and clear away when no longer required and make good on completion to the entire satisfaction of the PROJECT MANAGER . The Contractor shall pay all charges in connection herewith. No guarantee is given or implied that sufficient water will be available from mains and the Contractor must make his own arrangements for augmenting this supply at his own cost. Nominated Sub--contractors are to be made liable for the cost of any water or electric current used and for any installation provided especially for their own use.</p>				
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p>SANITATION OF THE WORKS</p> <p>The Sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Government and/or Local Authorities, Labour Department and the PROJECT MANAGER</p>				
B	<p>SUPERVISION AND WORKING HOURS</p> <p>The works shall be executed under the direction and to the entire satisfaction in all respects of the PROJECT MANAGER who shall at all times during normal working hours have access to the works and to the yards and workshops of the Contractor and sub-Contractors or other places where work is being prepared for the contract.</p>				
C	<p>PROVISIONAL SUMS.</p> <p>The term "Provisional Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7(i) of the Standard Method of Measurement.</p> <p>Such sums are net and no addition shall be made to them for profit.</p>				
D	<p>PRIME COST (OR P.C.) SUMS.</p> <p>The term "Prime Cost Sum" or "P.C. Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7 (ii) of the Standard Method of Measurement. Persons or firms nominated by the PROJECT MANAGER to execute work or to provide and fix materials or goods are described herein as Nominated Sub-Contractors. Persons or firms so nominated to supply goods or materials are described herein as Nominated Suppliers.</p>				
E	<p>PROGRESS CHART.</p> <p>The Contractor shall provide within two weeks of Possession of Site and in agreement with the PROJECT MANAGER a Progress Chart for the whole of the works including the works of Nominated Sub-Contractors ; one copy to be handed to the PROJECT MANAGER and a further copy to be retained on Site. Progress to be recorded and chart to be amended as necessary as the work proceeds.</p>				
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<p>A</p>	<p>ADJUSTMENT OF P.C. SUMS.</p> <p>In the final account all P.C. Sums shall be deducted and the amount properly expended upon the PROJECT MANAGER'S order in respect of each of them added to the Contract sum. The Contractor shall produce to the PROJECT MANAGER such quotations, invoices or bills, properly receipted, as may be necessary to show the actual details of the sums paid by the Contractor. Items of profit upon P.C. Sums shall be adjusted in the final account pro-rata to the amount paid. Items of "attendance"</p> <p>Should the Contractor be permitted to tender and his tender be accepted of any work for which a P.C. Sum is included in these Bill of Quantities profit and attendance will be allowed at the same rate as it would be if the work were executed by a Nominated Sub-Contractor.</p>				
<p>B</p>	<p>ADJUSTMENT OF PROVISIONAL SUMS.</p> <p>In the final account all Provisional Sums shall be deducted and the value of the work properly executed in respect of them upon the PROJECT MANAGER's order added to the Contract Sum. Such work shall be valued as described for Variations in Conditions No. 22 of the Conditions of Contract, but should any part of the work be executed by a Nominated Sub-Contractor, the value of such work or articles for the work to be supplied by a Nominated Supplier, the value of such work or articles shall be treated as a P.C. Sum and profit and attendance comparable to that contained in the priced Bills of Quantities for similar items added.</p>				
<p>C</p>	<p>NOMINATED SUB-CONTRACTORS</p> <p>When any work is ordered by the PROJECT MANAGER to be executed by nominated sub-contractors, the Contractor shall enter into sub-contracts as described in Condition No. 7 of the Conditions of Contract and shall thereafter be responsible for such sub-contractors in every respect. Unless otherwise described the Contractor is to provide for such Sub-Contractors any or all of the facilities described in these Preliminaries. The Contractor should price for these with the nominated Sub-contract Contractor's work concerned in the P.C. Sums under the description "add for Attendance".</p>				
	<p><i>Carried to collection</i></p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<p>A</p>	<p>DIRECT CONTRACTS</p> <p>Notwithstanding the foregoing conditions, the Government reserves the right to place a "Direct Contract" for any goods or services required in the works which are covered by a P.C. Sum in the Bills of Quantities and to pay for the same direct. In any such instances, profit relative to the P.C. Sum the priced Bills of Quantities will be adjusted as described for P.C. Sums and allowed.</p>				
<p>B</p>	<p>ATTENDANCE UPON OTHER TRADESMEN, ETC.</p> <p>The Contractor shall allow for the attendance of trade upon trade and shall afford any tradesmen or other persons employed for the execution of any work not included in this Contract every facility for carrying out their work and also for use of his ordinary scaffolding. The Contractor, however, shall not be required to erect any special scaffolding for them. The Contractor shall perform such cutting away for and making good after the work of such tradesmen or persons as may be ordered by the PROJECT MANAGER and the work will be measured and paid for to the extent executed at rates provided in these Bills.</p>				
<p>C</p>	<p>INSURANCE</p> <p>The Contractor shall insure as required in Clause 30 of the Conditions of Contract. No payment on account of the work executed will be made to the Contractor until he has satisfied the PROJECT MANAGER either by production of an Insurance Policy or and Insurance Certificate that the provision of the foregoing Insurance Clauses have been complied with in all respects. Thereafter the PROJECT MANAGER shall from time to time ascertain that premiums are duly paid up by the Contractor who shall if called upon to do so, produce the receipted premium renewals for the PROJECT MANAGER's inspection</p>				
<p>D</p>	<p>PROVISIONAL WORK</p> <p>All work described as "Provisional" in these Bills of Quantities is subject to remeasurement in order to ascertain the actual quantity executed for which payment will be made. All "Provisional" and other work liable to adjustment under this Contract shall left uncovered for a reasonable time to allow all measurements needed for such adjustment to be taken by the PROJECT MANAGER Immediately the work is ready for measuring, the Contractor shall give notice to the PROJECT MANAGER. If the Contractor makes default in these respects he shall if the PROJECT MANAGER so directs uncover the work to enable all measurements to be taken and afterwards reinstate at his own expense.</p>				
	<p><i>Carried to collection</i></p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<p>A</p>	<p>ALTERATIONS TO BILLS, PRICING, ETC.</p> <p>Any unauthorised alteration or qualification made to the text of the Bills of Quantities may cause the Tender to be disqualified and will in any case be ignored. The Contractor shall be deemed to have made allowance in his prices generally to cover any items against which no price has been inserted in the priced Bills of Quantities. All items of measured work shall be priced in detail and the Tenders containing Lump Sums to cover trades or groups of work must be broken down to show the price of each item before they will be accepted.</p>				
<p>B</p>	<p>BLASTING OPERATIONS</p> <p>Blasting will only be allowed with the express permission of the PROJECT MANAGER in writing. All blasting operations shall be carried out at the Contractor's sole risk and cost in accordance with any Government regulations in force for the time being, and any special regulations laid down by the PROJECT MANAGER governing the use and storage of explosives.</p>				
<p>C</p>	<p>MATERIALS ARISING FROM EXCAVATIONS</p> <p>Materials of any kind obtained from the excavations shall be the property of the Government. Unless the PROJECT MANAGER directs otherwise such materials shall be dealt with as provided in the Contract. Such materials shall only be used in the works, in substitution of materials which the Contractor would otherwise have had to supply with the written permission of the PROJECT MANAGER 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>				
<p>D</p>	<p>PROTECTION OF THE WORKS.</p> <p>Provide protection of the whole of the works contained in the Bills of Quantities, including casing , casing up, covering or such other means as may be necessary to avoid damage to the satisfaction of the PROJECT MANAGER and remove such protection when no longer required and make good any damage which may nevertheless have been done at completion free of cost to the Government.</p>				
<p>E</p>	<p>REMOVAL OF RUBBISH ETC.</p> <p>Removal of rubbish and debris from the Buildings and site as it accumulates and at the completion of the works and remove all plant, scaffolding and unused materials at completion.</p>				
	<p><i>Carried to collection</i></p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<p>A</p> <p>WORKS TO BE DELIVERED UP CLEAN</p> <p>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 fittings, glass inside and outside and any other parts of the works and remove all marks, blemishes, stains and defects from joinery, fittings and decorated 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</p> <p>B</p> <p>GENERAL SPECIFICATION.</p> <p>For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to the Ministry of Roads, Public Works and Housing General Specification dated 1976 or any subsequent revision thereof which is issued as a separate document, and which shall be allowed in all respects unless it conflicts with the General Preliminaries, Trade Preambles or other items in these Bills of Quantities.</p> <p>C</p> <p>TRAINING LEVY</p> <p>The Contractor's attention is drawn to legal notice No. 237 of October, 1971, which requires payment by the Contractor of a Training Levy at the rate of 1/4 % of the Contract sum on all contracts of more than Kshs. 1000,000.00 in value.</p> <p>D</p> <p>MATERIALS ON SITE</p> <p>All materials for incorporation in the works must be stored on or adjacent to the site before payment is effected unless specifically exempted by the PROJECT MANAGER. This includes the materials of the Main Contractor, Nominated Sub-Contractors and Nominated Suppliers.</p> <p>E.</p> <p>HOARDING</p> <p>The Contractor shall enclose all the site under construction with a hoarding 2400 mm high consisting of iron sheets gauge 30 on 100 x 50 mm 2nd grade treated sawn cypress timber posts firmly secured at 1800 mm centres with two 75 x 50 mm 2nd grade treated sawn cypress timber rails. The Contractor is in addition required to take all precautions necessary for the safe custody of the works, materials, plant, public and Employer's property on the site.</p>					
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p>CONTRACTOR'S SUPERINTENDENCE/SITE AGENT</p> <p>The Contractor shall constantly keep on the works a literate English speaking Agent or Representative, competent and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the superintendence of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Project Manager and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.</p>				
	<i>Carried to collection</i>				
	<p><u>COLLECTION</u></p> <p>Brought Forward From Page 78</p> <p>Brought Forward From Page 79</p> <p>Brought Forward From Page 80</p> <p>Brought Forward From Page 81</p> <p>Brought Forward From Page 82</p> <p>Brought Forward From Page 83</p> <p>Brought Forward From Page 84</p> <p>Brought Forward From Page 85</p> <p>Brought Forward From Page 86</p> <p>Brought Forward From Page 87</p> <p>Brought Forward From Page 88</p> <p>Brought Forward From Page 89</p> <p>Brought Forward From Page 90</p>				
	TOTAL FOR GENERAL PRELIMINARIES CARRIED TO SUMMARY OF PRELIMINARIES				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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PREAMBLE & PRICING NOTES

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>PREAMBLES AND PRICING NOTES</u></p> <p>A GENERALLY</p> <p>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.</p> <p>B MANUFACTURERS' NAMES</p> <p>Where manufacturers' name(s) and catalogue references are given, it is for guidance to quality and standard only. Alternative manufacturer of equal quality will be accepted at the discretion of the Project Manager.</p> <p>C WALLING</p> <p>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)"</p> <p>Walling of 100 mm thickness or under shall be reinforced with hoop iron at every alternate course.</p> <p>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.</p> <p>D CARPENTRY</p> <p>The grading rules for cypress shall be the same as for podocarpus and all timber used for structural work shall be select (second grade).</p> <p>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.</p> <p>Prices must also include for all nails and fasteners.</p> <p>E JOINERY</p> <p>Cypress for joinery shall be second grade in accordance with the latest grading rules of the Kenya Government.</p>				
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p>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.</p> <p>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.</p> <p>Prices for joinery must include for pencil rounded arrises, protection against damage, nails, screws, framing and bedding in cement mortar as required.</p> <p>Sizes given for joinery items are nominal sizes and exact dimensions of doors, etc, must be ascertained on site.</p> <p>B STRUCTURAL ENGINEER</p> <p>The term "Structural Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is the County Engineer (Structural), Nyandarua County, P.O. Box 82, Nyahururu</p> <p>C IRONMONGERY</p> <p>Ironmongery shall be as specified in the Bills of Quantities or equal and approved.</p> <p>Prices must include for removing and re-fixing during and after painting, labeling all keys, and for fixing to hardwood, softwood, concrete or block work.</p> <p>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.</p> <p>D STRUCTURAL STEELWORK</p> <p>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.</p>				
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p>PLASTERWORK AND OTHER FINISHES</p> <p>All finishings shall be as described in the general specifications and in these Bills of Quantities.</p> <p>Prices for pavings are to include for brushing concrete clean, wetting and coating with cement and sand grout 1:1.</p> <p>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.</p>				
B	<p>GLAZING</p> <p>Allow for transport of workmen, materials, etc., to and from the site at such hours and by such routes as may be permitted by the competent authorities.</p> <p>Prices for glazing shall include for priming of rebates before placing putty.</p> <p>The Contractor will be responsible for replacing any broken or scratched glass and handing over in perfect condition.</p>				
C	<p>PAINTING</p> <p>Painting shall be applied in accordance with the manufacturers' instructions.</p> <p>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 mordant solution as necessary.</p>				
	<p>TOTAL FOR PREAMBLES AND PRICING NOTES CARRIED TO SUMMARY OF PRELIMINARIES</p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<u>SUMMARY OF PRELIMINARIES & PREAMBLES & PRICING NOTES</u>					
A	PARTICULAR PRELIMINARIES				
B	GENERAL PRELIMINARIES				
C	PREAMBLE & PRICING NOTES				
TOTAL FOR PRELIMINARIES TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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DISPENSARY BLOCK

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PROPOSED TYPE DISPENSARY FOR THE MIN. OF HEALTH SERVICES - NYANDARUA COUNTY</u>				
	<u>ELEMENT NO. 1</u>				
	<u>SUBSTRUCTURES (ALL PROVISIONAL)</u>				
	<u>Site clearance</u>				
A	Clear the site off bushes, grass, shrubs and all vegetation; cart away as directed.	8093	sm		
B	Destroy termite nests within site works, take out and destroy queens, impregnate holes and tunnels with insecticide and fill voids with approved material	281	sm		
	<u>Oversite excavation</u>				
C	Excavate oversite to remove top soil average 150mm deep and wheel away from site approximately 50mts	281	sm		
	<u>Excavation and earthworks</u>				
D	Excavate to reduce levels not exceeding 1.5 m deep comencing from stripped level	169	cm		
E	Excavate for strip foundation trenches not exceeding 1.5 m deep commencing from stripped level	211	cm		
F	Extra-over all excavation for excavating in rock irrespective of class	42	cm		
G	Return, fill-in and rum selected excavated materials around foundations	161	cm		
H	Remove and cart away from site surplus excavated materials.	219	cm		
	<u>Diposal of water</u>				
I	Keeping all excavations free from all water including spring or running water		Item		
	<u>Planking and strutting</u>				
J	Uphold the sides of all excavations		Item		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Filling</u>				
A	Hardcore filling in making up levels, well compacted and rolled to layers of 150mm maximum thickness	155	cm		
B	50mm thick murrum blinding to surfaces of fill	281	sm		
	<u>Antitermite treatment</u>				
C	Termidor' or other equal and approved anti-termite insecticide treatment with ten years guarantee, applied strictly in accordance with manufacturer's instructions, to tops of fill and foundation walls	281	sm		
	<u>Insitu concrete works; mass concrete 1:4:8.</u>				
D	50mm thick blinding under foundations	140	sm		
	<u>Vibrated reinforced concrete (1:2:4-20-20 aggregate) as described in</u>				
E	Strip foundation	14	cm		
F	150mm thick ground slab	225	sm		
G	Extra over for splayed thicknesing to underside of bed size 300mm thick overall x 150mm thick including forming sinking in hardcore; dressing polythene sheeting to profile and any additional fabric reinforcement	4	lm		
	<u>Steel reinforcement</u>				
	<u>Supply and fix high tensile square twisted bars to B.S 4661 reinforcement bars including bending hooks tying wire cutting spacers ad supporting all in position as described in</u>				
H	12mm diameter bars	451	kg		
I	8mm ditto	203	kg		
	<u>Fabric; B.S. 4483</u>				
J	Reference A142 mesh 200 x 200 mm , weight 2.22 kgs per square meter (measured net - no allowance made for laps) including bends, tying wire and distance blocks	225	sm		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Sawn formwork to insitu concrete as described:-</u>				
A	To sides of strip foundation	47	sm		
B	To edges of ground floor slab; 150mm girth	74	lm		
	<u>Walling</u>				
C	200mm thick approved local natural stone; chisel dressed square; bedding, jointing and pointing in cement sand (1:4) mortar	146	sm		
	<u>Damp proofing</u>				
D	Polythene sheet; 500 gauge, 200mm welted laps (no allowance made to laps), horizontal; 1 no. layer laid on compacted quarry dust blinding	225	sm		
E	200mm wide; B.S. 743 Type A bitumen hessian base 150 mm laps (no allowance made for laps); horizontal, 1 no. layer, bedded in cement sand (1:3) mortar	117	lm		
	<u>Plinth areas</u>				
	<u>Insitu Finishings</u>				
F	14mm thick 2 No. coatwork cement sand (1:3) render; wood floated to concrete or blockwork base to walls; external	43	sm		
	<u>Painting and Decorations</u>				
	<u>Prepare and apply three coats bituminous paint to:</u>				
G	Wood floated rendered plinths over 300mm girth	43	sm		
H	'Dagnet FT" or other equal and approved chemical insecticide treatment prepared and applied according to the manufacturer's printed instructions.	56	sm		
I	600 x 600 x 50mm Thick precast concrete paving slabs laid on compacted murram(m.s.) and pointed in cement and sand(1:3) mortar	56	sm		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>COLLECTION</u>				
	From page 97				
	From page 98				
	From above				
	TOTAL FOR SUBSTRUCTURES CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 2</u>				
	<u>FRAME</u>				
	<u>Insitu concrete; reinforced; class 20 / (20mm); vibrated</u>				
A	Beams	53	cm		
	<u>Reinforcement</u>				
	<u>Bars; high yield steel; cold worked to B.S. 4461 including bends, hooks, tying wire and distance blocks</u>				
B	12mm diameter bars	457	kg		
C	8mm Ditto	331	kg		
	<u>Sawn formwork to insitu concrete as described:-</u>				
D	To sides and soffits of beams	129	sm		
	TOTAL FOR FRAME CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.3</u>				
	<u>WALLING</u>				
	<u>Precast concrete grade 20(20mm aggregate) including formwork, finishing fair on all exposed surfaces and hoisting and placing in position, bedding, jointing and pointing in cement and sand (1:4) mortar</u>				
A	WINDOW CILL; 250 x 50 mm extreme height; once weathered; once throated; reinforced as necessary for handling; surface fair finish 275 mm girth; bedding, jointing and pointing in cement sand (1:3) mortar	27	lm		
	<u>NATURAL STONE WALLING</u>				
	<u>Fine chiselled natural stone walling bedded and jointed in cement and sand (1:3) mortar and reinforced with and including 20swg x 25mm wide hoop iron at alternate courses.</u>				
B	200 mm thick approved local; chisel dressed both sides; bedding, jointing and pointing in cement sand (1:3) mortar	283	sm		
C	Ditto; gable walls	21	sm		
D	100mm ditto.	4	sm		
E	200 mm eaves filling, 250mm high including dressing between rafters	98	lm		
	<u>Sundries</u>				
F	Form opening for ventilation 150mm in diameter and build in ventilating gratings	12	No.		
	<u>Labour and material</u>				
G	Raking cutting to 200mm thick natural stone wall	22	lm		
H	Extra over horizontal and vertical pointing in 10mm thick rod in cement and sand (1:3) mortar; one coat of bituminous	136	sm		
	TOTAL FOR WALLING CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 4</u>				
	<u>ROOFING CONSTRUCTION.</u>				
	<u>Galvanized steel IT5 box profile sheets; 28 gauge; prepainted</u>				
A	Roof covering; 150mm laps on one end and one and a half corrugation side lap; nailing to 75 x 50mm celcured sawn cypress purlins (m/s).	324	sm		
B	Extra over for raking cutting	24	lm		
	<u>Accessories, fixing as necessary to roof sheets</u>				
C	150mm dia. Half round ridge cap	41	lm		
	<u>CARPENTRY</u>				
	<u>The following in 19No. sawn celcured cypress timber trusses; nailed connections, spanning 6200, hoisting 3.0m above ground</u>				
D	150 x 50mm ceiling joist	118	lm		
E	150 x 50mm rafters	171	lm		
F	100 x 50mm struts and ties	246	lm		
G	150 x 50mm king post	35	lm		
H	150 x 25mm nailing plates	188	lm		
	<u>The following in 5No. sawn celcured cypress timber trusses; nailed connections, spanning 5900, hoisting 3.0m above ground</u>				
I	150 x 50mm ceiling joist	31	lm		
J	150 x 50mm rafters	38	lm		
K	100 x 50mm struts and ties	62	lm		
L	150 x 50mm king post	9	lm		
M	150 x 25mm nailing plates	50	lm		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>The following in sawn celcured cypress</u>				
A	100 x 50mm wall plate rag-bolted at 1200mm centres with 12mm diameter bolts (m/s)	100	lm		
B	200 x 40mm ridge board	41	lm		
C	150 x 50mm valley rafters	48	lm		
D	100 x 50mm purlins	298	lm		
	<u>The following in wrot cypress</u>				
E	200 x 25mm thick fascia	101	lm		
F	25 x 100mm Tongue & Grooved boarding secret nailed to and including 50 x 50mm celcured wrot cypress bearers or brandering at 600mm centres	71	sm		
	<u>Labour and material (Provisional)</u>				
G	12mm diameter rag bolt, 200mm long complete with and including head, nut and two washers; cast into and including mortice in stone or concrete and run with cement and sand (1:3) mortar	84	No		
H	Drill 50mm thick timber to receive 12mm dia. Bolt (m/s)	84	No.		
	<u>RAINWATER DISPOSAL</u>				
	<u>26g Galvanised mild steel sheeting</u>				
I	Raking flashing overall 400mm girth with top end turned and wedged into and including 50 x 50mm mortice in stone or concrete and rin in with cement and sand (1:3) mortar and bottom edge dressed over roofing	12	lm		
	<u>24g Galvanised mild steel sheeting; all welds ground smooth</u>				
J	150 x 100mm box gutter including soldered joints in the running length fixed to fascia board with and including brackets at approved centers	75	lm		
K	Extra; for 90 ⁰ corners.	2	No		
L	Extra; ends	6	No		
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Extra; 100mm dia.outlet 100mm long	10	No		
B	100mm dia. rainwater downpipe fixed with and including mild steel straps at 900mm centres, plugged and screwed to	35	lm		
C	Extra; swanneck bend with 1135mm projection	10	No		
D	Extra; horse shoe bend	10	No		
	<u>Painting and Decorations</u>				
	<u>On Woodwork</u>				
	<u>Prepare and apply one zinc plumbate primer and three coats of 'CROWN SOLO' or other equal and approved super gloss oil paint to:-</u>				
E	Fascias; 200 to 300mm girth; external	101	lm		
	<u>On Metal work</u>				
F	General surfaces of gutters; over 300mm girth external	60	sm		
G	Small pipes	35	lm		
	<u>Tongue & Grooved timber surfaces</u>				
	<u>Prepare and apply three coats of 'CROWN SOLO' or other equal and approved polyurethane varnish to:-</u>				
H	Surfaces of eaves; over 300mm girth external	71	sm		
	<i>Carried to collection</i>				
	<u>COLLECTION</u>				
	From page 103				
	From page 104				
	From above				
	TOTAL FOR ROOF CONSTRUCTION.				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 5</u>				
	<u>DOORS</u>				
	<u>Wrot Cypress framed frames and framings</u>				
A	150 x 50 mm; 2 No. labours; plugged door frame	75	lm		
B	100 x 50mm ditto	17	lm		
C	150 x 50 mm transome	13	lm		
D	40 x 35 mm moulded architrave	105	lm		
E	25 x 25mm moulded quadrants	105	lm		
F	15 x 15mm glazing bead	42	lm		
	<u>45mm Thick solid core flush doors to B.S 459: part 2 veneered both sides with internal quality plywood and lipped on all edges in approved hardwood</u>				
G	Single swing door size 840 x 2060 mm high	13	No.		
	<u>45mm Thick semi-solid core flush doors to B.S 459: part 2 veneered both sides with internal quality plywood and lipped on all edges in approved hardwood</u>				
H	Single swing door size 840 x 2060 mm high	3	No.		
	<u>METAL WORK - PURPOSE - MADE UNITS</u>				
	<u>Mild steel casement doors; 100 x 50 x 3mm thick frame plugged to concrete or blockwork with 100mm long fishtailed 25 x 25 x 2mm thick angle section, 50 x 50 x 3mm thick angle section frames at 300mm centres both sides, angles cut, mitred and welded; panels infilled with glazing (m/s), one coat manufacturer's primer, complete with all necessary ironmongery; all welding ground to smooth finish</u>				
I	Double door; 1800 x 2400mm high, including 6 pairs 150mm long purpose made hinges; all welded	1	No.		
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Iron mongery</u>				
	<u>Supply and fix the following to UNION catalogue or other equal and approved</u>				
	<i>To softwood, hardwood or the like fixing with screws</i>				
A	3 lever satin chrome lockcase 57mm centres with Phoenix aluminium handle on plate.	13	No.		
B	Indicator bolt; Indicator -"Vacant/Engaged"-satin steel	3	No.		
C	100mm steel butt hinges	24	prs		
D	900 x 350mm; 2mm thick aluminium kicking plate	26	No.		
E	Door closer as Union Cat. No. 8823; silver	16	No.		
F	Coat & hat hook rubber tip - aluminium	3	No.		
	<i>To concrete or blockwork; fixing with bolts; plugging</i>				
G	Rubber door stop; oval satin anodised aluminium - floor mounted	18	No.		
	<i>To metal work or the like fixing with screws or welded</i>				
H	Four lever rebated steel door lock.	1	No.		
I	150mm purpose made steel D handle	2	No.		
	<u>Glazing</u>				
J	4mm Thick clear sheet glass panes to timber fan lights	5	sm		
K	4mm Thick obscure sheet glass panes to metal surfaces; fixing with putty	3	sm		
	<u>Painting and Decorations</u>				
	<u>Prepare and apply one coat etching primer, one undercoat and two coats gloss oil paint to Crown Solo or other equal and approved to: -</u>				
L	General surfaces of glazed casement metal doors; over 300mm girth internal	9	sm		
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>On wood</u>				
	<u>Aluminium primer or other equal and approved wood primer before fixing: -</u>				
A	Backs of frame, board, etc over 100mm but not exceeding 200mm girth	75	lm		
B	Backs of frame, board, etc not exceeding 100mm girth	269	lm		
	<u>Knot, prime and stop; prepare and apply one undercoat and two coats of gloss oil paint</u>				
C	General surfaces of timber doors over 300mm girth; external	61	sm		
D	Frames; over 100mm but not exceeding 200mm girth; internal	88	lm		
E	Frames not exceeding 100mm girth; internal	269	lm		
	<i>Carried to Collection</i>				
	<u>COLLECTION</u>				
	From page 106				
	From page 107				
	From above				
	TOTAL FOR DOORS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 6</u>				
	<u>WINDOWS</u>				
	<u>Bull-nosed burnt clay, finishing fair on all exposed surfaces and hoisting and placing in position, bedding, jointing and pointing in pigmented cement and sand (1:3) mortar</u>				
A	150 x 25mm thick clay window sill	27	lm		
B	6mm thick ceramic tiles finish to internal surfaces of window sills; 150mm girth	4	lm		
	<u>Wrot Mahogany</u>				
C	150 x 25 mm thick window boards including bull-nosed edges and 25 x 25 mm bearer; plugged, counter sinking and flush pelleting.	27	lm		
D	15 x 15mm quadrant bead		lm		
	<u>Pelmet box</u>				
E	Comprising 150 x 25mm wide fascia, 2 No. 150 x 25mm ends 100mm long; 100 x 25mm blockboard top; and 50 x 25mm wrot cypress bearer; plugged	27	lm		
	<u>Curtain Tracks;</u>				
F	"Silent Gliss" Stardand I-section light duty brass single curtain track screwed to soffits of timber pelmet top (m/s) with brass plated screws, one bracket runner per 75mm of rail, two end stops per length and complete accessories to	27	lm		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>METAL WORK</u>				
	<u>PURPOSE - MADE UNITS</u>				
	<u>Supply, assemble and fix the following purpose-made mild steel casement windows; standard metal section from approved manufacturer complete with frames, transomes, mullions and with and including permanent ventilators comprising "T" bar, gauze and 16 gauge sheet metal hood 50mm high x 50mm projection to full width of window, coupling mullions, approved ironmongery and one coat manufacturer's primer; all welding ground to smooth finish.</u>				
	<i>Steel; for glazing with putty, lugs to two jambs, cutting and pinning to concrete or blockwork, fixing to head and sill with screws; plugging</i>				
A	Window, overall size 1500 x 1500mm high.	14	No		
B	Window, overall size 1200 x 1500mm high .	2	No		
C	Window, overall size 600 x 900mm high complete with 1 No. top hung light size 900 x 450 mm high	3	No.		
	<u>Grills</u>				
	<u>High tensile steel burglar proof bars at 300mm cross centres horizontal and vertical; ends lugged in masonry.</u>				
D	16mm dia. bars welded and ground smooth to approval.	37	sm		
	<u>Glazing</u>				
E	4mm Thick clear sheet glass panes over 0.1 but not exceeding 0.5 square meters; fixing with putty	35	sm		
F	Ditto but obscured panes ditto	2	sm		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Painting and Decorations</u> <u>On Metal work</u> <u>Prepare and apply one coat etching, one undercoat and three coats of gloss oil paint to: -</u> G General window surfaces; over 300mm girth. H Surfaces of metal over 300mm girth (burglar proofing grills)	74 74	sm sm		
	<i>Carried to Collection</i>				
	<u>COLLECTION</u> From page 109 From page 110 From above				
	TOTAL FOR WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 7</u>				
	<u>FINISHES</u>				
	<u>Wall finishes</u>				
	<u>In situ finishes</u>				
	<u>Render; 18mm thick, 1 No. coatwork of cement and sand (1:3); wood floated to concrete or blockwork base generally to: -</u>				
A	Walls and beams; external	54	sm		
	<u>Plaster; 18mm thick, 2 No. coatwork, 12mm first coat of cement sand (1:3); 3mm second coat of cement and lime putty (1:9); steel trowelled to concrete or blockwork base generally to: -</u>				
B	Walls; internal	587	sm		
	<u>Tile, Slab or Block Finishings</u>				
	<u>Approved ceramic tiles to B.S. 1281; local; white glazed wall tiles to regular or approved other pattern; bedding and jointing in cement sand (1:4) mortar, grouting with white cement</u>				
C	6mm thick; butt joints straight both ways; to cement sand base (m/s) to walls internal	27	sm		
D	Plastic edging (provisional)	17	lm		
	<u>Beds or Backings</u>				
	<u>Render; cement and sand (1:3)</u>				
E	14mm thick one coat backings; wood floated to receive ceramic tiles (m/s) to concrete or blockwork base; to walls internal	27	sm		
	<u>Painting and decorations</u>				
	<u>Prepare and apply one undercoat and three coats of first quality plastic emulsion paint to: -</u>				
F	Plastered walls	387	sm		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Wood floated rendered surfaces <u>Floor finishes</u> <u>Tile, Slab or Block Finishings</u> <u>Approved ceramic tiles; local; non slip floor tiles to regular or other approved pattern; bedding and jointing in cement sand (1:4) mortar; grouting with matching cement</u>	54	sm		
B	330 x 330 x 8mm thick; butt joints both ways; to cement sand base (m/s); to floors level; internal	225	sm		
C	100 mm thick skirting; straight junction with wall and floor finish. <u>Beds or Backings</u> <u>Screed; cement and sand (1:3)</u>	142	lm		
D	32mm thick one coat backings; wood floated to receive ceramic tiles (m/s) to concrete or blockwork base; to floors level; internal <u>Ceiling finishes</u> <u>Wrot cypress</u>	225	sm		
E	75 x 25mm moulded cornice <u>Approved sawn softwood; second grade; pressure impregnated.</u>	168	lm		
F	75 x 50mm brandering	732	lm		
G	75 x 50mm ditto; plugged <u>PLAIN SHEET FINISHINGS</u> <u>Chip board</u>	168	lm		
H	18mm thick plain chip-board ceiling board nailed to timber brandering (m/s); nails punched and puttied	225	sm		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Extra; access panels 600 x 600mm, 50 x 50mm softwood framing all round; fixing with chromium plated screws and cup washers <u>Painting and Decorations</u> <u>Prepare and apply one undercoat and three coats of first quality emulsion paint to the following surfaces</u> <u>To wood surfaces</u>	4	No.		
B	Chip-board ceiling boards	225	sm		
C	Moulded cornice not exceeding 100mm girth	168	lm		
<i>Carried to Collection</i>					
<p><u>COLLECTION</u></p> <p>From page 112</p> <p>From page 113</p> <p>From above</p>					
TOTAL FOR FINISHES CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 8</u>				
	<u>FIXTURES & FITTINGS (PROVISIONAL)</u>				
	<u>The following in 8No. Under-sink cabinets overall size 1600mm x 600mm wide x 1000mm high</u>				
	<u>Plain concrete class 20/12 as described in: -</u>				
A	100mm Plinths	8	sm		
B	150mm thick worktop	8	sm		
	<u>Fabric; B.S. 4483</u>				
C	Reference A142 mesh 200 x 200 mm , weight 2.22 kgs per square meter (measured net - no allowance made for laps(including bends, tying wire and distance blocks	8	sm		
D	100mm thick natural stone walling; local; chisel dressed both sides; with and including 20swg x 25mm wide hoop iron at alternate courses; bedding, jointing and pointing in cement sand (1:3) mortar	10	sm		
	<u>Approved ceramic tiles to B.S. 1281; local; white glazed wall tiles to regular or approved other pattern; bedding and jointing in cement sand (1:4) mortar, grouting with white cement</u>				
E	6mm thick; butt joints straight both ways; to cement sand base (m/s) to walls internal	8	sm		
	<u>Beds or Backings</u>				
	<u>Render; cement and sand (1:3)</u>				
F	14mm thick one coat backings; wood floated to receive ceramic tiles (m/s) to concrete or blockwork base; to walls internal	8	sm		
	<u>In wrought cypress</u>				
G	50 x 25mm thick frames.	57	lm		
H	Ditto; plugged to masonry	46	lm		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Blockboard to B.S. 3444</u>				
A	25mm thick shelving	8	sm		
B	Ditto doors size 800 x 1000mm high; hardwood lipped all round; rebated meeting edges.	16	No.		
	<u>Supply and fix the following ironmongery to timber with matching screws:-</u>				
C	Piano hinges	13	lm		
D	100mm aluminium "D" Pull handle	16	No.		
E	100mm Brass ball catch.	16	No.		
F	Cup-board lock	8	No.		
	<u>Knot, prime and stop, prepare and apply one undercoat and three coats of gloss oil paint to: -</u>				
G	Timber surfaces	42	sm		
H	To frames; not exceeding mm girth; internal	103	lm		
	----END OF UNDER-SINK CABINETS----				
	<u>The following in 11No. 600mm wide x 400mm high framed wrot mahogany benches in various sizes</u>				
	<u>The following in mild steel</u>				
I	50 x 50 x 3mm thick rectangular hollow section (R.H.S); welded and ground to a smooth finish.	97	lm		
J	Ditto, 500mm long stands embedded in concrete, 50mm deep including making good in c/s (1:3) mortar	24	No.		
	<u>Wrot Mahogany</u>				
K	75 x 50mm thick battens countersunk, screwed and pelleted thrice to metal frame (m/s) (33No.)	126	lm		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Sundries</u>				
A	Forming 12mm diameter hole in 75mm thick hardwood	99	No.		
B	100mm long, 12mm diameter rawl bolt complete with nut and washer.	99	No.		
	<u>Painting and Decorations</u>				
	<u>On Metal work</u>				
	<u>Prepare and apply one etching primer and two finishing coats of gloss oil paint to: -</u>				
C	To frames 100 to 200mm girth, internal	109	lm		
	<u>On wood</u>				
	<u>Knot, prime and stop, prepare and apply three coats polyurethane varnish; internal</u>				
D	To frames not exceeding 200 to 300mm girth; internal	126	lm		
	-----END OF 9NO BENCHES-----				
	<u>The following in 10No. High level shelves overall size 2400 x 450 x 600mm high;</u>				
	<u>Wood Work</u>				
	<u>In Wrot Cypress</u>				
E	50 x 50mm bearer	99	lm		
F	50 x 50mm ditto; plugged	72	lm		
G	75 x 50 mm frame with one labour	24	lm		
	<u>Blockboard to B.S. 3444</u>				
H	25mm thick shelving	43	sm		
I	Ditto doors size 600 x 600mm high; hardwood lipped all round; rebated meeting edges.	40	No.		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Metal work</u>				
A	600 x 600 x 4mm thick stainless steel bracket plugged and screwed to wood or blockwork background	40	No.		
	<u>Supply and fix the following ironmongery to timber with matching screws:-</u>				
B	Piano hinges	96	lm		
C	100mm aluminium "D" Pull handle	40	No.		
D	100mm Brass ball catch.	40	No.		
E	Cup-board lock	20	No.		
	<u>Painting and Decorations</u>				
	<u>Knot, prime and stop, prepare and apply one undercoat and three coats of gloss oil paint to: -</u>				
F	Timber surfaces	43	sm		
G	To frames; not exceeding mm girth; internal	195	lm		
	<i>End of 10No. High level shelves---</i>				
	<i>Carried to Collection</i>				
	<u>COLLECTION</u>				
	From page 115				
	From page 116				
	From page 117				
	From above				
	TOTAL FOR FIXTURES AND FITTINGS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 9</u>				
	<u>BUILDER'S WORK IN CONNECTION WITH SPECISLIST SERVICES (provisional)</u>				
	<u>Builder's work in connection with Plumbing and drainage installations</u>				
	<u>Labour and Materials</u>				
A	Form or leave hole in 150mm reinforced concrete worktop, 425mm wide for dhobi sinks and later make good	8	No.		
B	Form or leave hole in 200mm thick natural stone wall for large pipe and later make good	3	No.		
C	Ditto for small pipe and ditto	12	No.		
E	Cut horizontal or vertical chase in natural stone walling for small pipes and later make good	15	lm		
F	Ditto for large pipes	5	lm		
	<u>Builder's work in connection with electrical installations</u>				
	<u>Cut away for and make good after Electricain installing aconcealed conduit system to the following points including cutting or leaving all holes, mortices, sinkings in the structure and its finishes and for all making good therewith:-</u>				
G	Lighting point with associated switch point	24	No.		
H	External security light fittings with ditto	10	No		
I	Single socket outlet point.	1	No.		
J	Twin socket outlet points	12	No.		
K	Consumer unit	1	No.		
L	Meter board	1	No.		
	TOTAL FOR BUILDER'S WORKS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUMMARY</u>				
ELEMENT NO.	TITLE		PAGE NO.		K.SHS.
1	SUBSTRUCTURES (PROVISIONAL)		Pg 100		
2	FRAME		Pg 101		
3	WALLING		Pg 102		
4	ROOF CONSTRUCTION.		Pg 105		
5	DOORS		Pg 108		
6	WINDOWS		Pg 111		
7	FINISHES		Pg 114		
8	FIXTURES & FITTINGS (PROVISIONAL)		Pg 118		
9	BUILDER'S WORK IN CONNECTION WITH SPECISLIST		Pg 119		
TOTAL FOR DISPENSARY BLOCK CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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WATER-BORNE TOILET BLOCK

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PROPOSED 3-DOOR TOILET BLOCK</u>				
	<u>ELEMENT NO. 1</u>				
	<u>SUBSTRUCTURES.</u>				
	<u>Site clearance</u>				
A	Clear the site off grass, shrubs and all vegetation; cart away as directed	16	sm		
B	Excavate vegetable soil average 200mm deep and cart away as directed	16	sm		
	<u>Excavation</u>				
C	Excavate oversite in loose soils to reduce levels commencing from stripped level average 300mm deep and spread on site av. 10 meters away	16	cm		
D	Excavate for strip foundation starting from reduced level not exceeding 1.50 meters deep.	29	cm		
E	Excavate for pit from reduced level not exceeding 1.50 meters deep and cart away as directed	5	cm		
F	Return, fill-in and rum selected excavated material	45	cm		
G	Remove and cart away from site surplus excavated material as directed	5	cm		
	<u>Diposal of water</u>				
H	Keeping all excavations free from all water including spring or running water		Item		
	<u>Planking and strutting</u>				
I	Uphold the sides of all excavations		Item		
	<u>Filling</u>				
J	Hardcore filling in making up levels exceeding 300mm thick, depositing and compacting in layers of 125mm maximum thickness	16	cm		
K	50mm thick murrum blinding to surfaces of fill	10	sm		
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Antitermite treatment</u>				
A	TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations	10	sm		
	<u>Concrete</u>				
B	50mm thick mass concrete class Q (1:3:6) to bottoms of foundations	10	sm		
	<u>In situ concrete; reinforced; class 20 / (20mm); vibrated</u>				
C	Foundations in trenches irrespective of thickness	3	cm		
D	Ringbeams	3	cm		
E	150mm thick bed	10	sm		
	<u>Reinforcement</u>				
	<u>Bars; high yield steel; cold worked to B.S. 4461 including bends, hooks, tying wire and distance blocks</u>				
F	16mm diameter bars	21	kg		
G	12mm bars	478	kg		
H	10mm bars	205	kg		
I	8mm bars	206	kg		
	<u>Sawn formwork to insitu concrete as described:-</u>				
J	To sides; vertical or battering of strip foundations.	3	sm		
K	Edges of ground floor slab; 75 to 150mm wide	13	lm		
	<u>Walling</u>				
L	200mm thick approved local natural stone; roughly squared to foundation walling; bedding and jointing in cement sand (1:3) mortar	69	sm		
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Damp proofing</u>				
A	Polythene; 500 gauge, 150mm laps (no allowance made to laps), horizontal; 1 no. layer laid on murrum blinding	9	sm		
B	200mm wide; B.S. 743 Type A bitumen hessian base 150 mm laps (no allowance made for laps); horizontal, 1 no. layer, bedded in cement sand (1:3) mortar	21	lm		
	<u>In situ finishings</u>				
C	14mm thick 2 No. coatwork cement sand (1:3) render; wood floated to concrete or blockwork base to walls; external	6	sm		
	<u>Prepare and apply three coats black bituminous paint on:-</u>				
D	Rendered plinths, externally.	6	sm		
	<i>Carried to collection</i>				
	<u>COLLECTION</u>				
	From page 122				
	From page 123				
	From above				
	TOTAL FOR SUBSTRUCTURES CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 2</u>				
	<u>SUPERSTRUCTRE</u>				
	<u>RING BEAM</u>				
	<u>Insitu concrete; reinforced; class 20 / (20mm); vibrated</u>				
A	Beams	2	cm		
	<u>Reinforcement</u>				
	<u>Bars; high yield steel; cold worked to B.S. 4461 including bends, hooks, tying wire and distance blocks</u>				
B	12mm diameter bars	108	kg		
C	8mm ditto	49	kg		
	<u>Sawn formwork to insitu concrete as described:-</u>				
D	To sides and soffits of beams	24	sm		
	<u>NATURAL STONE WALLING</u>				
E	200mm thick approved local; chisel dressed both sides; bedding, jointing and pointing in cement sand (1:3) mortar;	44	sm		
F	200 Walling in pre-cast louvred vent blocks obtained from an approved manufacturer, jointed and bedded in gauged mortar (1:3)	11	sm		
G	250x50mm weathered and throated pre cast concrete coping stones bedded and jointed to walls in cement sand (1:3) mortar	5	lm		
	<u>Labour and material</u>				
H	Extra over horizontal pointing in 10mm thick rod in cement and sand (1:3) mortar to external wall	12	sm		
I	Raking cutting to 200mm thick natural stone wall	7	lm		
	TOTAL FOR SUPERSTRUCTURE CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.4</u>				
	<u>ROOFING</u>				
	<u>Galvanized corrugated Sheet roofing; 28 gauge;Pre-painted</u>				
A	Roof covering not exceeding 45 ⁰ from horizontal;fixing to timber structure (m/s) with roofing nails and neoprene washers J bolts nuts neoprene washers and caps.	15	sm		
	<u>CARPENTRY</u>				
	<u>The following in sawn celcured cypress</u>				
B	150 x 50mm sawn cypress tie beam	18	lm		
C	100 x 50mm wall plate rag-bolted at 1200mm centres with and including 12mm diameter bolts.	7	lm		
D	75 x 50mm sawn cypress purlins	19	lm		
	<u>Wrot cypress, prime grade</u>				
E	200 x 25mm thick fascia /barge board	18	lm		
	<u>Painting and Decorations</u>				
	<u>On Woodwork</u>				
	<u>Knot prime and stop; prepare and apply one undercoat and two coats of 'CROWN SOLO' or other equal and approved super gloss oil paint to:-</u>				
F	Fascias; 200 to 300mm girth; external	18	lm		
	<u>On Metal work</u>				
	<u>Prepare and apply one approved etching primer, one undercoat and two coats of 'CROWN SOLO' or other equal and approved super gloss oil paint to:-</u>				
G	General surfaces of gutters; over 300mm girth external	9	sm		
H	Small pipes; external	6	sm		
	TOTAL FOR ROOFING CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 5</u>				
	<u>DOORS</u>				
	<u>Wrot celcured cypress framed frames and framings</u>				
A	150 x 50 mm; 2 No. labours; plugged door frame	17	lm		
B	Ditto transome.	3	lm		
C	40 x 35 mm moulded architrave	17	lm		
D	25mm rounded quardrant	17	lm		
	<u>50mm thick framed ledged and braced match boarded door comprising 125x50mm top rail and stiles,200x50mm bottom rail,150x25mm tongued and grooved boarding vee jointed on one side and 6mm thick plywood panel on the other side.</u>				
E	Door size 900 x 2100 mm high	3	No.		
	<u>Iron mongery</u>				
	<u>Supply and fix the following to UNION catalogue or other equal and approved</u>				
	<i>To softwood, hardwood or the like fixing with screws</i>				
F	150mm long stainless steel tower bolt	6	No.		
G	100mm steel butt hinges	9	prs		
H	Rubber door stop complete with 38 mm rawl bolt	3	No.		
	<u>Painting and Decorations</u>				
	<u>Aluminium primer or other equal and approved wood primer before fixing: -</u>				
I	Backs of frame, board, etc over 200mm but not exceeding 300mm girth	17	lm		
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Knot, prime & stop; prepare and apply one undercoat and three coats of gloss oil paint to Crown Solo or other equal and approved to: -</u> A General surfaces of timber doors; over 300mm girth internal B Frames; over 200mm but not exceeding 300mm girth C Frames not exceeding 100mm girth	 10 18 31	 sm lm lm		
	<i>Carried to collection</i>				
	<u>COLLECTION</u> From page 127 From above				
	TOTAL FOR DOORS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.6</u>				
	<u>FINISHES</u>				
	<u>Wall finishes</u>				
	<u>Render; cement and sand (1:3)</u>				
A	18mm thick cement and sand (1:3); one coat backings; wood floated to concrete or blockwork base; to walls and beams; external	6	sm		
	<u>Plaster; 12mm thick 2 No. coatwork, 9mm first coat of cement sand (1:6); 3mm second coat of cement and lime putty (1:10); steel trowelled to concrete or blockwork base generally to: -</u>				
B	Walls; internal	51	sm		
C	Walls; water proof plaster	11	sm		
	<u>Prepare and apply one undercoat and three coats of first quality emulsion paint to the following surfaces</u>				
D	Plastered walls internally	51	sm		
E	Plastered walls and beams externally	6	sm		
	<u>Floor finishes</u>				
	<u>In situ Finishings</u>				
	<u>Screed; 40mm thick water-proof cement sand (1; 3); red-oxide coloured; steel trowelled to concrete or blockwork base generally to: -</u>				
F	Floors; internal	10	sm		
G	Skirtings; 100mm wide with rounded junction with wall finish and coved junction with floor finish	23	lm		
	<i>Carried to collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Approved ceramic tiles; local; non slip floor tiles to regular or other approved pattern; bedding and jointing in cement sand (1:4) mortar; grouting with matching cement				
A	300 x 300 x 8mm thick; butt joints both ways; to cement sand base (m/s); to floors level; internal	15	sm		
B	100 mm thick skirting; straight junction with wall and floor finish.	8	lm		
	<u>Beds or Backings</u>				
C	32mm thick one coat backings; wood floated to receive ceramic tiles (m/s) to concrete or blockwork base; to floors level; internal	44	sm		
	<i>Carried to collection</i>				
	<u>COLLECTION</u>				
	From page 129				
	From above				
	TOTAL FOR FINISHES CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUMMARY</u>				
ELEMENT NO.	TITLE		PAGE NO.		K.SHS.
1	SUBSTRUCTURE		Pg 124		
2	FRAME		Pg 125		
3	ROOFING.		Pg 126		
5	DOORS		Pg 128		
6	FINISHES		Pg 130		
TOTAL FOR PROPOSED TOILET BLOCK CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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EXTENAL WORKS

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>EXTERNAL WORKS (ALL PROVISIONAL)</u>				
	<u>PART ONE</u>				
	<u>RAIN-WATER HARVESTING</u>				
	<u>TANK BASES - 2NO.</u>				
	<u>SUBSTRUCTURES (ALL PROVISIONAL)</u>				
	<u>Excavations</u>				
A	Excavate oversite average 200 mm deep and cart away where directed	23	sm		
B	Excavate oversite to reduce levels commencing from stripped level average 300mm deep	8	cm		
C	Excavate trench for strip foundation not exceeding 1.5 m deep.	52	cm		
D	Return, fill and ram selected excavated material around foundation	67	cm		
E	Cart away surplus excavated material from site.	16	cm		
F	Allow for keeping excavations free from water.		Item		
G	Provide for planking and strutting sides of excavations		Item		
	<u>HARD-CORE</u>				
H	Hardcore over 300mm thick; compacting in layers of 150mm thick; well watered and compacted.	13	sm		
I	50 mm Thick approved blinding	13	sm		
J	Treat hardcore surface and tops of walls with approved insecticide	13	sm		
	<u>Mass concrete class 1:4:8.</u>				
K	50mm blinding under strip foundation.	35	sm		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Insitu concrete; reinforced; class 25 / (20mm); vibrated</u>				
A	Strip foundation	4	cm		
B	150 mm surface bed	13	sm		
	<u>Sawn formwork to;</u>				
C	Sides of strip foundation	12	sm		
D	Edges of surfaces bed 75 - 150 mm high; curved	18	lm		
	<u>Reinforcement</u>				
	<u>Bars; high yield steel; cold worked to B.S. 4461 including bends, hooks, tying wire and distance blocks</u>				
E	12 mm diameter bars	239	kg		
F	8 mm ditto	48	kg		
	<u>Fabric; B.S. 4483</u>				
G	Reference A142 mesh 200 x 200 mm , weight 2.22 kgs per square meter (measured net - no allowance made for laps(including bends, tying wire and distance blocks	13	sm		
	<u>Walling</u>				
H	200 mm Thick natural stone walling in cement mortar (1:3) reinforced every alternate course with hoop iron	36	sm		
	<u>Damp-proofing</u>				
I	500 Gauge polythene sheet damp proof membrane including 150mm side and end laps.	13	sm		
J	Flexcell expansion joint	9	sm		
	<u>Screed; 20mm thick 2 No. coatwork,15mm first coat of cement sand (1:6); 5mm second coat of cement and lime putty (1:10); steel trowelled to concrete or blockwork base generally to: -</u>				
K	To tops and sides of plinth.	18	sm		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>COLLECTION</u> From page 133 From above				
	TOTAL FOR TANK BASES CARRIED TO SUMMARY PAGE				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PART TWO</u>				
	<u>DRIVEWAY AND PARKING</u>				
A	Excavate over site to remove top soil average 150mm deep and cart away.	125	sm		
B	Excavate over site to reduce levels commencing at stripped site level.	100	cm		
C	Remove surplus excavated material from site.	100	cm		
D	Selected hardcore filling in making up levels, spread, leveled, well rammed and consolidated in 150mm layers.	81	cm		
E	Telvar 'W' or other equal and approved weed killer under driveway and parking.	125	sm		
F	Grade bottoms of excavation or surface of filling to falls and crossfalls including rolling and compacting to 100% B.S.S. compaction.	125	sm		
G	100mm Approved granular material (murrum) road finish compacted to falls, cross falls and cambers.	125	sm		
H	125 x 250mm Precast concrete (class 20) kerb with once chamfered edge laid on and including 450 x 100mm plain concrete (1:3:6) foundation haunched up on one side and road side protected by and including 125 x 100mm precast concrete (class 25) channel including all necessary excavations formwork etc.	55	lm		
I	100 x 125mm Precast concrete (class 20) channel laid on and including 325 x 150mm plain concrete (1:3:6) foundation haunched up on both sides including all necessary formwork.	10	lm		
	TOTAL AMOUNT OF DRIVEWAY AND PARKING CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PART THREE</u>				
	<u>PAVED AREAS</u>				
A	Excavate over site to remove top soil average 150mm deep and cart away.	18	sm		
B	Excavate over site to reduce levels commencing at stripped site level and cart away.	15	cm		
C	Remove surplus excavated material from site.	15	cm		
D	Selected hardcore filling in making up levels, spread, leveled, well rammed and consolidated in 150mm layers.	15	cm		
E	Telvar 'W' or other equal and approved weed killer under driveway and parking.	18	sm		
F	Grade bottoms of excavation or surfaces of filling to falls and crossfalls including rolling and compacting to 100% B.S.S. compaction.	18	sm		
G	50mm (Average) bed of sand, spread and well compacted to falls, crossfalls and camber to receive paving slabs (measured	18	sm		
H	50mm Washed aggregate precast concrete (grade 20) paving slabs size 600 x 600mm bedded, jointed and pointed in cement mortar (1:3) and finished fair on all exposed surfaces.	18	sm		
	TOTAL AMOUNT OF PAVED AREAS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PART 4</u>				
	<u>FENCING, SENTRY BOX AND ENTRANCE GATES</u>				
	<u>Fencing</u>				
	<u>Site clearance</u>				
A	Clear site off grass, shrubs and bushes and dispose off as directed; 1000mm wide	380	lm		
	<u>Open type Fencing</u>				
B	2400mm high, 12.5 gauge x 3No. strands barbed wire and chain link fence with 3000mm long, 125 x 100mm thick cranked precast concrete posts @ 3.0meters centers morticed in 600mm deep concrete surround including all excavation and carting away, intermediate posts at 15meters apart surpoted twice with 1.0 meters bracings (m/s) and all corner posts surpoted thus including all excavations, concrete works, return fill-in and rum and carting away surplus excavated materials	380	lm		
C	Extra over for intermediate posts; 125 x 125 x 3000mm high with two straining posts; 100 x 125 x 1000mm in length.	38	No.		
D	Extra over for edge posts; 125 x 125 x 3000mm high with two straining posts; 100 x 125 x 1600mm in length	4	No.		
	<u>Timber-fabricated Sentry box</u>				
	<u>Consisting 100 x 25mm thick sawn cypress floors and walls; framed in 100 x 50mm thick sawn cypress 6No. stands, horizontal frames and rafters all nailed connections with one side left open for door size 900 x 1500 other sides covered in over-lapping 100 x 25mm sawn cypress frames; including 28gauge normal corrugation pre-painted roofing sheet extending 600mm off edge of building line; all to Project Manager's design and instructions</u>				
E	Overall size 2500 x 900 x 2200mm high.	1	No.		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Entrance Gates</u>				
	<u>Mild steel grilled gate; 50 x 50 x 3mm thick frame plugged to concrete or blockwork with 100mm long fishtailed 25 x 25 x 2mm thick angle section, 25 x 25 x 3mm thick hollow section verticle members at 150mm centres, 275mm wide x 4mm thick plate welded at the middle for signage, angles cut, mitred and welded; one coat manufacturer's primer, complete with all necessary ironmongery; all welding ground to smooth finish, all to the satisfaction of the Project Manager</u>				
A	Double leafed gate; 2600mm x 1800mm including 6 No. 150mm purpose made steel hinges, 2No. drop bolts, 2 No.150mm padlock hasp in 4mm thick steel sleeves and padlocks all welded.	1	No.		
B	3000mm long, 100mm diameter x 4mm thick gate post including embeeding in mass concrete class 1:3:6, 600mm deep and all excavations and carting away	2	No.		
	<u>Painting and Decorations</u>				
	<u>Prepare and apply one coat etching primer, one undercoat and three coats gloss oil paint full to Crown Solo or other equal and approved to: -</u>				
C	General surfaces of grilled gates; over 300mm girth external	10	sm		
D	Ditto to large pipes	2	sm		
	<i>Carried to Collection</i>				
	<u>COLLECTION</u>				
	From page 138				
	From above				
	TOTAL AMOUNT OF FENCING, SENTRY BOX & GATE HOUSE CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PART 5</u>				
	<u>FOUL DRAINAGE</u>				
	<u>EXCAVATING TRENCHES TO RECEIVE PIPES</u>				
	<u>Not exceeding 100mm internal diameter</u>				
	<i>Starting from ground level; not exceeding 1.5meters total depth</i>				
A	1500 mm average depth, part return fill and rum and cart away surplus excavated material	36	lm		
	<u>Disposal of water</u>				
B	Keeping excavations free from all water including running water		ITEM		
	<u>Planking and strutting</u>				
C	Uphold the sides of all excavations		ITEM		
	<u>Insitu concrete; plain; normal class Q</u>				
D	400 mm thick type 'C' bed and haunch to 100mm internal diameter pipe (m/s) including necessary formwork	5	lm		
	<u>PIPEWORK</u>				
	<u>Heavy gauge UPVC pipes and fittings, solvent weld straight couplings; laying to falls, surrounding with insitu concrete</u>				
E	100mm diameter	36	lm		
	<u>Extra over pipe for;</u>				
F	Sweep tee	1	No.		
G	Spigot socket bend	4	No.		
	<u>Gully traps</u>				
H	100mm diameter PVC gully traps including cover, building in floor and making good	3	No.		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>The following in 7No. Manholes</u>				
A	Excavate to form manhole not exceeding 1.50m deep.	17	cm		
B	Return fill in and ram selected excavated material around manhole.	5	cm		
C	Remove surplus excavated material from site.	12	cm		
D	Concrete (1:3:6) benching 175mm high to bottom of manhole size 600 x 600mm internally finished to falls including forming half round main and branch channels to any section or curve and finished with waterproofed cement and sand (1:2) 12mm thick trowelled smooth	7	No.		
E	150mm thick reinforced concrete class 1:2:4 (20mm aggregate) suspended cover slab.	7	sm		
F	150mm mass concrete class 1:3:6 manhole base.	7	sm		
	<u>Concrete (Class 20)</u>				
G	10mm diameter high tensile square twisted steel bar reinforcement to B.S. 4461 and K.S. 02-22:1976.	99	Kg.		
	<u>Sawn formwork</u>				
H	Soffit of suspended cover slab.	7	sm		
I	Edge of suspended cover slab 75 - 150mm high.	19	lm		
J	Edge of base slab 75 - 150mm high.	19	lm		
K	Temporary boxing to form rebated opening size 600 x 450mm in 150mm suspended slab (formwork to soffit not deducted)	7	No.		
L	150mm masonry walling in cement and sand mortar (1:3) reinforced with hoop iron at alternate courses.	23	sm		
M	Build in end of 100mm pipe to 50mm walling and make good.	14	No.		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	10mm Waterproof cement and sand (1:4) rendering with 5% "Pudlo" or other equal and approved to sides of manhole steel trowelled hard and smooth.	22	sm		
B	Galvanised cast iron step iron to B.S. 1247 type 2a built into blockwork side of manhole and make good.	21	No.		
C	Coated cast iron medium duty manhole cover and frame size 600 x 450mm to B.S. 497 and bed frame in cement and sand (1:3) and seal cover in grease and sand.	7	No.		
D	Do but heavy duty	1	No.		
	<u>(End of 7No. Manholes)</u>				
	<u>SEPTIC TANK - 50 PERSONS CAPACITY; 1NO.</u>				
	<u>Excavating pit starting from ground level</u>				
E	Not exceeding 1.50 metres deep	43	cm		
F	Over 1.50 but not exceeding 3.0 metres deep	39	cm		
G	Extra over all excavations irrespective of depth for breaking up rock	10	cm		
H	Return, fill-in and rum selected excavated material	29	cm		
I	Remove and cart away from site surplus excavated material as directed	53	cm		
	<u>Disposal of water</u>				
J	Keeping excavations free from all water including running water		ITEM		
	<u>Planking and strutting</u>				
K	Uphold the sides of all excavations		ITEM		
	<u>Walling</u>				
L	200mm thick approved local natural stone walling; chiselled both side; bedding and jointing in cement sand (1:3) mortar	25	sm		
	<u>Concrete</u>				
M	50mm thick mass concrete class 'Q' (1:4:8) to bottom of pit well spread	12	sm		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Insitu concrete; reinforced; class 20 / (20mm); vibrated</u>				
A	150mm thick suspended cover slab.	14	sm		
B	100mm thick walls	6	sm		
C	150mm thick mass concrete class 1:3:6 base slab.	14	sm		
	<u>Square twisted high tensile bar reinforcement as to B.S. 4461 and K.S. 02-22:1976</u>				
D	10mm diameter bars	340	Kg.		
	<u>Sawn formwork to insitu concrete as described:-</u>				
E	To soffites of cover slabs; horizontal	14	sm		
F	To sides; vertical or battering of walls	12	sm		
G	Edges of suspended cover slab; 75 to 150mm wide	19	lm		
H	Edges of base slab; 75 to 150mm wide	22	lm		
I	Boxing to form rebated openings for access covers and frames, size 650 x 450 mm	4	No.		
J	Labours; form or leave hole through 150 mm thick masonry wall for 100 mm diameter pipe	4	No.		
	<u>Rolled plates, bars, sections and tubes; mild steel; K.S. 02 - 18</u>				
K	Frames; 50 x 50 x 3 mm angle	9	lm		
	<u>Access covers and frames; B.S. 497; coated; in mild steel</u>				
L	650 x 450 mm heavy duty cast iron cover; bending frame in cement mortar (1:4); bedding covers in grease and sand.	4	No.		
	<u>Water proof render; cement and sand (1:3) steel trowelled</u>				
M	12mm Waterproof cement and sand (1:3) rendering with 5% "Pudlo" or other equal and approved to walls, suspended slab and base slab of septic tank steel trowelled hard and smooth.	81	sm		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PIPEWORK</u>				
	<u>Heavy gauge UPVC pipes and fittings, solvent weld straight couplings; laying to falls, surrounding with insitu concrete</u>				
A	150mm diameter	10	lm		
	<u>Extra over pipe for;</u>				
B	Sweep tee	2	No.		
C	Nipple	2	No.		
	<u>SOAK PIT; 1No.</u>				
	<u>Excavating pit starting from ground level</u>				
D	Not exceeding 1.50 metres deep	5	cm		
E	Over 1.50 but not exceeding 3.0 metres deep	5	cm		
F	Over 3.0 but not exceeding 4.5 metres deep	5	cm		
G	Over 4.5 but not exceeding 6.0 metres deep	5	cm		
H	Extra over all excavations irrespective of depth for breaking up rock	10	cm		
	<u>Excavation</u>				
I	Excavate for strip foundation starting from reduced level not exceeding 1.50 meters deep and cart away.	5	cm		
J	Return, fill-in and rum selected excavated material	15	cm		
K	Remove and cart away from site surplus excavated material as directed	10	cm		
	<u>Disposal of water</u>				
L	Keeping excavations free from all water including running water		ITEM		
	<u>Planking and strutting</u>				
M	Uphold the sides of all excavations		ITEM		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Hardcore</u>				
A	Filling in hardcore for soakpit 150mm below the incoming pipe to prevent crumbling of walls due to wetness, all to satisfaction of the Project Manager	20	cm		
	<u>Walling</u>				
B	150mm thick approved local natural stone walling; chiselled one side; bedding and jointing in cement sand (1:3) mortar	8	sm		
	<u>Concrete</u>				
C	150mm thick mass concrete class 'Q' (1:3:6) strip foundation	1	cm		
	<u>Insitu concrete; reinforced; class 20 / (20mm); vibrated</u>				
D	150mm thick suspended cover slab complete with 12mm diameter mild steel bars at 150mm centres both ways	2	sm		
	<u>Sawn formwork to insitu concrete as described:-</u>				
E	To soffites of cover slabs; horizontal	2	sm		
F	To sides; vertical or battering strip foundation; 75 to 150mm wide	13	lm		
G	Edges of suspended cover slab; 75 to 150mm wide	13	lm		
H	Boxing to form rebated openings for access covers and frames, size 650 x 450 mm	1	No.		
I	Labours; form or leave hole through 150 mm thick masonry wall for 100 mm diameter pipe	3	No.		
	<u>Rolled plates, bars, sections and tubes; mild steel; K.S. 02 - 18</u>				
J	Frames; 50 x 50 x 3 mm angle	2	lm		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<u>Access covers and frames; B.S. 497; coated; in mild steel</u> 650 x 450 mm heavy duty cast iron cover; bending frame in cement mortar (1:4); bedding covers in grease and sand.	1	No.		
B	<u>Water proof render; cement and sand (1:3) steel trowelled</u> 12mm Waterproof cement and sand (1:3) rendering with 5% "Pudlo" or other equal and approved to walls, suspended slab of soakpit steel trowelled hard and smooth.	12	sm		
<i>Carried to Collection</i>					
<u>COLLECTION</u> From page 140 From page 141 From page 142 From page 143 From page 144 From page 145 From above					
TOTAL AMOUNT OF FOUL DRAINAGE CARRIED TO SUMMARY PAGE					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>PART 6</u></p> <p><u>SOFT LANDSCAPING</u></p> <p><u>Planting of grass</u></p> <p><u>PREAMBLE: the area to be planted shall be cleared of all existing vegetation, roots, stones and the like and then levelled to even slopes. Appropriate insecticides will then be sprayed over to destroy soil borne and leaf pests. Selected imported soil shall be spread to a depth of 150mm on to which shall be added a 25mm depth of dry well-rotted animal manure and 25grammes per square meter of phosephate rich compound fertilizer. The whole shall then be rotated to obtain a homogenous mixture, the soil raked smooth to a fine tilth and then thoroughly soaked with water. The grass shall be plated in cuttings approximately 200mm long and at 150mm deep. The grass shall be systematically cut, watered and weeded in a healthy state for six months maintenance period</u></p> <p><i>Prepare ground, excavate top soil 150mm deep and cart away, provide and plant "Kikuyu" grass all as described above to the following areas</i></p> <p>A Area in-front of dispensary block</p> <p><u>Planting of hibiscus plant</u></p> <p><u>PREAMBLE: Pits shall be excavated approximately 1.5 meters dia. And 1.0meters deep. Filling consisting of 80% imported red soil and 20% well rotted animal manure will be used to fill the pits, 250 grammes of phosphoric fertilizer per pit shall be added. Each pit shall be soaked with water for several days and the plants shall be planted, protected, well watered throughout the 6 months maitenance period</u></p> <p><i>To edges of the car park along the shallow drain</i></p> <p>B Excavate pit, fill as required, provide and plant, establish, protect and maintain assorted large hibiscus shrub</p>	100	sm		
	<i>Carried to Collection</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u><i>Flower gardens</i></u></p> <p>Provide selected low growing ground cover plants (Jureita, green white, overaping cover, green cover, etc) established at approximately 1 meter intervals including watering, protecting, and maintaining till well established</p> <p><i>To the following areas</i></p> <p>A. To edges of the drive-way, parking and paved areas.</p> <p><u>TREES</u></p> <p><u>Supply , store in approved condition, plant and maintain the following trees including forming pit size 1200 x 1200 x 1500mm deep removing all excavated materials and backfilling with cow manure and topsoil (1:2) compacted in 300mm layers and providing 2 No., 50mm diameter support poles with 2 No. rubber tie bands.</u></p> <p>B. Vitex keniensis (Meru oak)</p> <p>C Spathodea campanulata (Nandi flame)</p>	150	No.		
	<i>Carried to Collection</i>				
	<p><u>COLLECTION</u></p> <p>From page 146</p> <p>From above</p>				
	TOTAL AMOUNT OF SOFT LANDSCAPING CARRIED TO SUMMARY PAGE				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUMMARY</u>				
PART NO.	TITLE		PAGE NO.	K.SHS.	
1	RAIN-WATER TANK BASES		Pg 136		
2	DRIVE WAY AND PARKING		Pg 135		
3	PAVED AREAS		Pg 136		
4	FENCING, SENTRY BOX & ENTRANCE GATES		Pg 139		
5	FOUL DRAINAGE		Pg 146		
6	SOFT LANDSCAPING		Pg 148		
TOTAL FOR EXTERNAL WORKS CARRIED TO GRAND SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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P.C. & PROVISIONAL SUMS

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PRIME COSTS & PROVISIONAL SUMS</u>				
	<u>PRIME COSTS</u>				
	<u>Prime Cost sums for works to be executed by nominated subcontractors</u>				
A	Allow a Prime cost sum of Kenya Shillings one million, two hundred and fifty thousand (1,250,00.00) only for electrical installations.		ITEM		1,250,000.00
B	Add for profit	%			
C	Allow for general attendance		SUM		
D	Allow a provisional sum of Kenya Shillings one million, three hundred and eighty thousand (1,380,000.00) only for Mechanical Installations.		ITEM		1,380,000.00
E	Add for profit	%			
F	Allow for general attendance		SUM		
	<u>PROVISIONAL SUMS</u>				
	<u>The following provisional sums are to be measured on completion and priced in accordance with the rates contained in these bills of quantities or prorata thereto or deducted in whole if not required</u>				
G	Allow a provisional sum of Kenya Shillings two hundred thousand (200,000.00) only for K.P.L.C. power connection to the new dispensaries		ITEM		200,000.00
H	Allow a provisional sum of Kenya shillings one million (1,000,000.00) only for Contingencies		ITEM		1,000,000.00
	TOTAL FOR P.C. & PROVISIONAL SUMS CARRIED TO GRAND SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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GRAND SUMMARY PAGE

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<u>PROPOSED COSTRUCTION OF TYPE DISPENSARY & ASSOCIATED EXTERNAL WORKS FOR THE MIN. OF HEALTH SERVICES - NYANDARUA COUNTY</u>					
<u>GRAND SUMMARY</u>					
1	PRELIMINARIES AND PREABLES & PRICING NOTES			Pg 95	
2	DISPENSARY BLOCK			Pg 120	
3	WATER-BORNE TOILET BLOCK			Pg 131	
4	EXTERNAL WORKS			Pg 149	
5	P.C. & PROVISIONAL SUMS			Pg 151	
	Sub-total				
	Add 16% V.A.T.				
TOTAL CARRIED TO FORM OF TENDER INCLUSIVE OF 16% V.A.T.					

Amount of tender in words: Kenya Shilings.....

.....
.....

Tenderer's signature and stamp.....

Address.....

Date.....

Witness: Name and signature.....

Address.....

Date.....